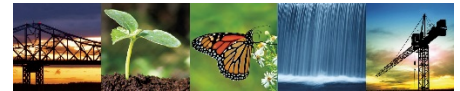




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Buffalo, NY 14202
T: 716.685.2300
F: 716.248.1472
www.gza.com



VIA EMAIL

January 5, 2026
File No. 21.0056546.20

Glenn May, CPG
New York State Department of Environmental Conservation (NYSDEC)
Division of Environmental Remediation
700 Delaware Avenue
Buffalo, New York 14209
e-mail: glenn.may@dec.ny.gov

Re: **Periodic Review Report** - Number 14 – June 17025
Delphi Harrison Thermal Systems Site - Registry Site No. 932113
Lockport, New York

Mr. May:

GZA GeoEnvironmental of New York (GZA) prepared this 2024 Periodic Review Report (PRR) for the Delphi Harrison Thermal Systems Site (Site) as required by the Site Management Plan¹ (SMP, approved by NYSDEC on October 13, 2011). The implementation of the SMP is a requirement of the Remedial Program Order on Consent and Administrative Settlement (Index #B9-0553-99-06) between GM Components Holdings, LLC (GMCH) and NYSDEC, dated November 8, 2011.

GMCH is the current owner and operator of an automotive components manufacturing facility at 200 Upper Mountain Road, Lockport, New York. The Site, as defined by the environmental easement (Instrument # 2011-17072, recorded in the Niagara County Clerk's Office in October 2011) comprises approximately 22.7 acres as shown on **Figure 1**. In 2014, a portion of the Site was conveyed to Delphi Properties Management LLC. On June 30, 2015, that same portion of the Site was transferred from Delphi Properties Management LLC to MAHLE Manufacturing Management Inc., now called MAHLE BEHR USA INC.

REGULATORY HISTORY SUMMARY

The following is a summary of the regulatory actions at the Site.

- Building 8, located in the northern central portion of the GM Lockport facility, formerly housed degreasing operations that utilized trichloroethylene (TCE). An aboveground storage tank (AST) was formerly located outside the southeastern corner of Building 8 until it was decommissioned in May 1994. Delphi Thermal Systems (Delphi) notified the NYSDEC in 1994 that TCE was detected in soil during an excavation to repair fire protection lines in the vicinity of the former AST. NYSDEC assigned the incident Spill Number 9410972. Delphi removed the TCE-impacted soil from the excavation down to the top of bedrock and provided NYSDEC with a

¹ "Delphi Harrison Thermal Systems Site, Niagara County, New York, Site Management Plan, NYSDEC Site Number: 9-32-113" dated October 13, 2011



report of this removal action in a letter dated December 22, 1994.

- In March 1999, the Site was added to the NYSDEC Inactive Hazardous Waste Registry, Site Number 932113 as a Class 3 listing (does not present a significant threat to the public health or the environment – action may be deferred).
- In 2001, Delphi entered into a Remedial Investigation/Feasibility Study Order on Consent, Index #B9-0553-99-06 (RI/FS Order) to determine the extent of TCE contamination and complete a Focused Feasibility Study.
- In March 2005, NYSDEC, in consultation with the New York State Department of Health (NYSDOH), issued a Record of Decision (ROD) based on the results of the Focused Remedial Investigation (FRI) and Focused Feasibility Study (FFS). The components of the selected remedy, as defined in the ROD, were as follows.
 - Monitored natural attenuation (MNA) with groundwater monitoring and sampling to check the continued effectiveness of the remedy.
 - Development of a contingency plan for groundwater control/treatment if natural attenuation processes can no longer be demonstrated as effective or if significant off-site groundwater contamination is observed.
 - Development of a site management plan to: (a) address residual contaminated soils that may be excavated from the site during future redevelopment, (b) evaluate the potential for vapor intrusion for all current site buildings and those developed on the site in the future, including provision for mitigation of impacts identified; (c) provide for the operation and maintenance of the components of the remedy; (d) monitor site groundwater; and (e) identify use restrictions on site development or groundwater use.
 - Imposition of an environmental easement to restrict groundwater use and check compliance with the approved site management plan.
 - Certification of the institutional and engineering controls.
- Annual MNA groundwater sampling was completed voluntarily at the Site from October 2006 through April 2011.
- In October 2011, an environmental easement (Instrument # 2011-17072) for the Site was recorded in the Niagara County Clerk's Office.
- In November 2011, a Remedial Program Order on Consent and Administrative Settlement (Index #B9-0553-99-06) was executed between GMCH and NYSDEC.
- In April 2012, the Site was reclassified on the NYSDEC Inactive Hazardous Waste Registry, to a Class 4 listing (site has been properly closed but requires continued site management consisting of operation, maintenance and/or monitoring).
- Since April 2012, groundwater sampling has been completed at the Site in accordance with the Remedial



Program Order on Consent and Administrative Settlement (Index #B9-0553-99-06).

- There were no additional regulatory actions taken during the reporting period.

2024 PERIODIC REVIEW REPORTING PERIOD

In accordance with Section 5.3 of the SMP, the following constitutes the Calendar Year 2024 PRR:

1. Results of the required Site inspections and severe weather condition inspections, if applicable

- (a) The annual inspection of the Site and Site Cover was completed on September 17, 2024 by Morgan Brown of GZA. The annual site inspection form was completed, a copy of which is provided as **Appendix A** along with a photo log associated with the inspection.
- (b) A severe weather condition inspection was not conducted during the reporting period.

2. All applicable inspection forms and other records generated for the Site during the reporting period in electronic format

A copy of the completed site inspection forms from the September 17, 2024 site inspection is included in **Appendix A**. Also, included as part of the electronic submittal is a copy of the Delphi Harrison Thermal Systems Site 2024 NYSDEC Site Management Periodic Review Report Institutional and Engineering Controls Certification Form. A copy of this Form is attached to the PRR as **Appendix B**.

3. A summary of any monitoring data and/or information generated during the Reporting Period with comments and conclusions

The most recent groundwater sampling was completed in September 2024. A copy of the GZA report is included with this PRR as **Appendix C**. The report provides the conclusions and recommendations presented below.

4. Data summary tables and graphical representations of contaminants of concern by media (groundwater, soil vapor), which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends.

Data summary tables and graphs associated with the annual MNA groundwater sampling report are included in **Appendix C**.

5. Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted electronically in a NYSDEC-approved format.

The electronic submission of this PRR includes the results of analyses, copies of laboratory data sheets, and the required laboratory data deliverables for samples collected during the reporting period for the 2024 MNA groundwater sampling event.



6. A Site evaluation, which includes the following:

- Compliance with the requirements of the ROD Site-selected remedy;
- Any new conclusions or observations regarding site contamination based on inspections or data generated by the Site Monitoring Plan for the media being monitored;
- Recommendations regarding any necessary changes to the remedy and/or Site Monitoring Plan; and
- The overall performance and effectiveness of the remedy.

As discussed in Item 3 above, the results of the groundwater sampling provide evidence that anaerobic biodegradation of the COCs is controlling migration of impacted groundwater downgradient from the Site.

The Site is in compliance with the ROD, and MNA is still an effective remedy.

7. Identification, assessment and certification of all ECs/ICs [Engineering Controls/Institutional Controls²] required by the Record of Decision Site-selected remedy

There are no Engineering Controls (ECs) required under the ROD and the Institutional Controls (ICs) that apply to the Site are set forth in the recorded Environmental Easement. The ICs for the Site restrict the use of groundwater and require compliance with the SMP. There have been no changes to the SMP since it was approved by NYSDEC on October 13, 2011.

CONCLUSIONS

Based on the results of the July 2024 groundwater sampling and historical data trends, natural attenuation of COCs is occurring via reductive dechlorination. GZA offers the following additional observations relative to the 2024 sampling round:

- The concentrations of parent compounds (PCE and TCE) decrease significantly from the source area (MW-7), downgradient to the mid-point of the plume (MW-4 and MW-10), and to the downgradient portions of the Site (MW-11 through MW-14), where COC concentrations are generally below MDLs and/or are below their respective NYSDEC Class GA Criteria. Parent compounds continue to be detected in downgradient well MW-15; where concentrations of TCE remain below its Class GA criterion. The concentration of PCE in 2024 was 0.0045 mg/L, which was consistent with concentrations in 2022 and 2023 (0.0061 and 0.0068 mg/L respectively) and was below the NYSDEC Class GA criterion of 0.005 mg/L. No COCs were detected above criteria at MW-15 during this event.
- There is overall decrease in total COC concentrations downgradient from the source area (MW-7).
- Based on data trends and supported by the findings of the 2014 treatability study, current conditions mid-plume (MW-4) show potential for complete reductive dechlorination of COCs to ethene. COC

² See definition for *Engineering Control* at 6 NYCRR § 375-1.2 (o) and for *Institutional Control* at 6 NYCRR § 375-1.2 (aa).



concentrations were generally below MDLs or at concentrations below NYSDEC Class GA criteria at the downgradient Site boundary, which provides additional evidence for continued natural attenuation.

- COCs were not detected above NYSDEC Class GA groundwater standards at downgradient property line monitoring wells (MW-11 and MW-13). In 2022, TCE was detected at 0.0062 mg/L and exceeding its Class GA criteria of 0.005 mg/L at downgradient well MW-14. TCE, or other COCs were not detected above the NYS Class GA criteria at MW-14 during the 2023 or 2024 sampling events.
- Low concentrations of daughter products (1,2-DCE and VC) were detected in MW-12, just upgradient of MW-11 and MW-13, but the parent compounds PCE and TCE were not detected above MDLs. The presence of the daughter products here (but not at the downgradient property line wells) is further evidence of natural attenuation.

CERTIFICATION OF THE INSTITUTIONAL AND ENGINEERING CONTROLS³

For each institutional or engineering control identified for the Site, I certify⁴ the following statements are true:

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional control and/or engineering controls employed at this Site are unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this control;
- Access to the Site will continue to be provided to the Department (with valid Safety Protocol Program Card) to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- If a financial assurance mechanism is required under the oversight document for the Site, the mechanism remains valid and sufficient for the intended purpose under the document⁵;
- Use of the Site is compliant with the Environmental Easement;

³ The required Certification of the Institutional and Engineering Controls is set forth in Section 5.2 of the NYSDEC-approved SMP. It is to be used for the Periodic Review Report in lieu of the certifications noted in DER-10 at section 6.3 (d).

⁴ Certify is defined as a statement or declaration of a professional opinion based on the information, data and/or facts known at the time such certification is made.

⁵ Note that no financial assurance mechanism is required for this Site remedial program.



- Engineering control systems that have been installed as part of the remedial programs for the Site *(if applicable)* are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the ROD Site's selected remedy and generally accepted engineering practices; and
- The information presented in this report is accurate and complete.
- I certify that the information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Bart A. Klettke, P.E. of GZA GeoEnvironmental of New York, am certifying as Owner's Designated Site Representative for the Site.



Bart A. Klettke, P.E.
Principal



RECOMMENDATIONS

In July 2021, NYSDEC approved cessation of sampling MW-10. The 2025 monitoring event included sampling a total of seven wells (MW-4, -7, -11, -12, -13, -14 and -15). The COC and natural attenuation analytical parameters analyzed during the 2025 sampling round were consistent with the 2024 sampling event. Dissolved hydrogen sampling did not resume in 2025, as the laboratory was not yet capable to analyze via Method RSK-175.

Date: January 5, 2026

GZA GeoEnvironmental of New York

Figure 1: Site Locus

Figure 2: Photograph Orientation Map

Appendix A: 2024 Site Inspection Forms and Inspection Photograph Log

Appendix B: Delphi 2024 – NYSDEC Site Management Periodic Review Report Notice and Institutional and Engineering Controls Certification Form

Appendix C: September 2024 MNA Groundwater Sampling Report

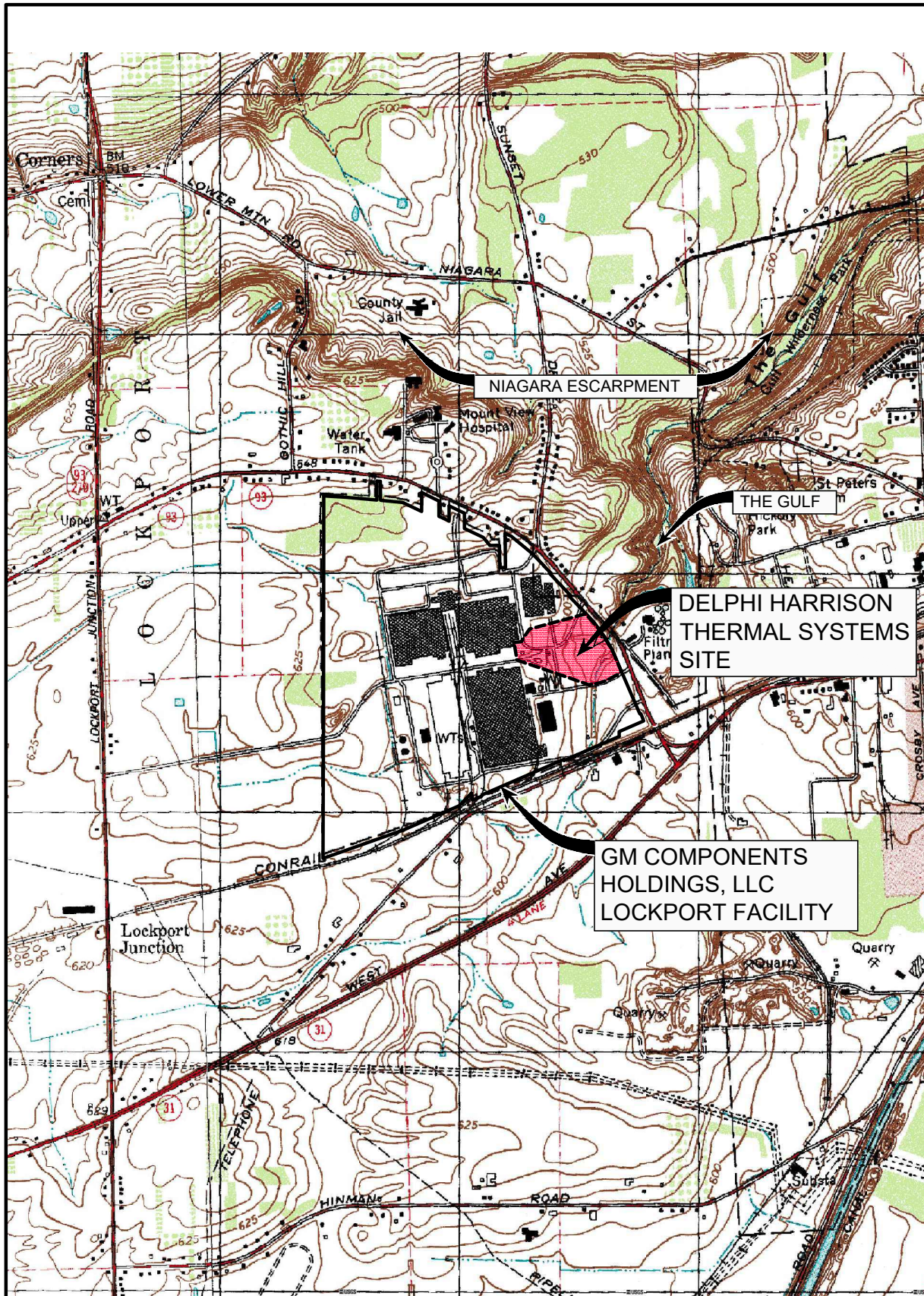
cc: Merrick Alexander (GM, electronic copy only)

Casey Essary (GMCH, electronic copy only)

Denis Conley (H&A, electronic copy only)



FIGURES



NOTE:

BASE MAP ADAPTED FROM U.S.G.S.
TOPOGRAPHIC MAPS DOWNLOADED
FROM TERRASERVER.MICROSOFT.COM



DRAWN BY: **TAK**

DATE: **SEPTEMBER 2024**



**GZA GeoEnvironmental of
New York**

SCALE IN FEET



GM COMPONENTS HOLDINGS, LLC

PERIODIC REVIEW REPORT

DELPHI HARRISON THERMAL SYSTEMS SITE

200 UPPER MOUNTAIN ROAD

LOCKPORT, NEW YORK

SITE NUMBER 9-32-113

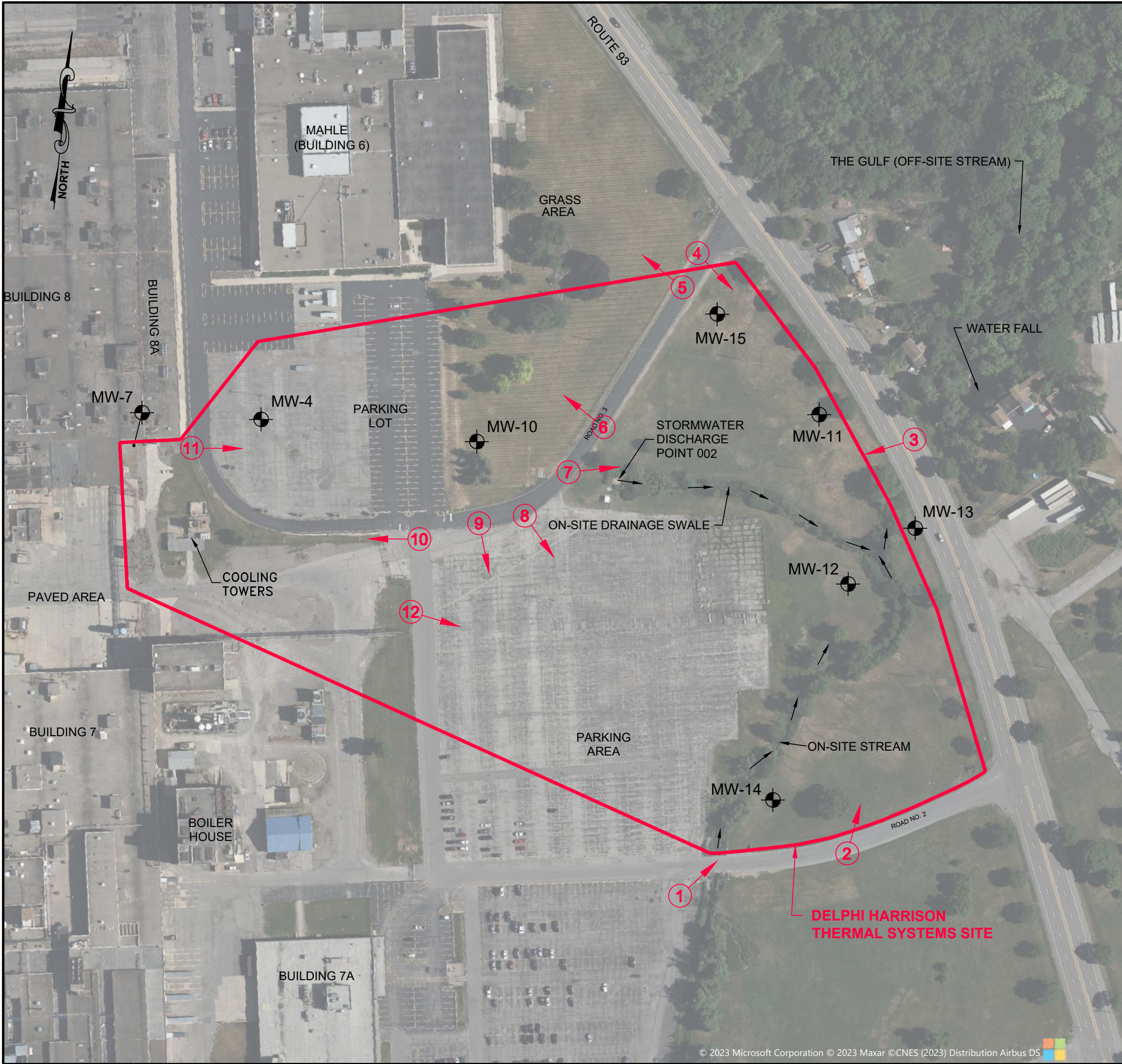
SITE PLAN

PROJECT No.

21.0056546.20

FIGURE No.

1



LEGEND:

- 1

APPROXIMATE LOCATION AND ORIENTATION OF INSPECTION PHOTOGRAPHS TAKEN ON 9/17/2024 (SEE APPENDIX A)
- MW-4

APPROXIMATE LOCATION AND DESIGNATION OF MONITORING WELL

NOTES:

1. BASE MAP IMPORTED VIA AUTODESK CIVIL 3D 2022 GEOLOCATION TOOL.
2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

DRAWN BY: TAK		DATE: SEPTEMBER 2024		GZA GeoEnvironmental of New York	
APPROXIMATE SCALE IN FEET		090180360		GZA	
GM COMPONENTS HOLDINGS, LLC		DELPHI HARRISON THERMAL SYSTEMS SITE		PHOTOGRAPH ORIENTATION MAP	
PERIODIC REVIEW REPORT		200 UPPER MOUNTAIN ROAD			
		LOCKPORT, NEW YORK			
		SITE NO. 9-32-113			
PROJECT No.		21.0056546.20			
FIGURE No.		2			



APPENDIX A:

2024 SITE INSPECTION FORM and INSPECTION PHOTO LOG

SITE DETAILS		
Site No.:	9-32-113	
Site Name:	Delphi Harrison Thermal Systems Site	
Site Address:	200 Upper Mountain Road, Lockport NY	
PERSON PERFORMING INSPECTION		
NAME:	Morgan Brown	EMAIL: morgan.brown@gza.com
OTHERS PRESENT:	No	PHONE NUMBER: 716-803-5717
COMPANY:	GZA GeoEnvironmental of NY	
INSPECTION DATE AND SITE CONDITIONS		
INSPECTION DATE:	9/17/2024	INSPECTION TIME: 0:00 Hrs
WEATHER CONDITIONS:	75°F, 0-7 mph SE winds, Sunny/partly cloudy	
REASON FOR SITE INSPECTION		
Scheduled Annual Inspection?:	YES	NO
Inspection after a Severe Condition that could effect site controls?:	YES	NO
<i>describe severe conditions triggering inspection:</i>		
VERIFICATION OF SITE DETAILS		
Current Site Owner: GM Components Holdings, LLC (GMCH) and MAHLE Manufacturing Management Inc.		
Current Site Operators: GM Components Holdings, LLC (GMCH) and MAHLE Manufacturing Management Inc.		
Describe Current Site Use (check all that apply):		
☒ Industrial	☐ Commercial	☐ Residential ☐ Other
<i>briefly describe observed site uses:</i> Area within the environmental easement is used as parking lots, site roads, greenspace, and nitrogen tank		
Has some or all of the Site property been sold, subdivided, merged, or undergone a tax map amendment since the initial/last inspection?		
YES		NO
<i>If YES, is documentation or evidence of documentation submittal to NYSDEC attached?</i>		
YES		N/A NO
Have any federal, state and/or local permits (e.g., building or discharge) been issued for the property since the initial/last inspection?		
		NO
<i>If YES, is documentation or evidence of documentation submittal to NYSDEC attached?</i>		
YES		N/A NO
Has a change in Site usage per NYCRR 375-1.11(d) occurred since the last inspection?		
YES		NO
<i>If YES, is documentation or evidence of documentation submittal to NYSDEC attached?</i>		
YES		N/A NO
Has any new information come to your attention to indicate that assumptions made in the qualitative exposure assessment for off-site contamination are no longer valid?		
YES		NO
<i>If YES, is this information or evidence of submittal to NYSDEC attached?</i>		
YES		N/A NO
DESCRIPTION OF INSTITUTIONAL/ENGINEERING CONTROLS		
Is Environmental Easement still in place?		
YES		NO
If no, explain:		
Is the Site Management Plan in place?		
YES		NO
If no, explain:		
AREAS IN NEED OF REPAIR OR MAINTENANCE		
Area discussed in this section must be shown on a figure and have photographic documentation.		
Areas of damaged asphalt in parking lots. Damaged grass cover at intersection of Road 3 and Route 93.		
INTRUSIVE ACTIVITIES PERFORMED AT SITE DURING INSPECTION PERIOD	DATE	LOCATION
None	N/A	N/A
REVIEW OF SITE RECORDS		
Are site records being properly generated and maintained?		
YES		NO
<i>Provide summary of recordkeeping review and adequacy:</i>		
GMCH Environmental Engineer, Casey Essary, maintains both hard copies and electronic copies of the site records per GM's Information Lifecycle Management system. The records are managed under "Corrective Action and Remediation Project Records", series ENV010. Hard copies are kept in a file cabinet in the Engineering office and electronic copies reside on the environmental shared ("S") drive		
ADDITIONAL NOTES & COMMENTS		
See attached representative site photos from the PRR Site inspection.		
INSPECTION CERTIFICATION		
I hereby certify that the information included in this report is complete and accurate to the best of my knowledge.		
Inspector Signature:		Date: 17-Sep-24



Photograph Log

Client Name: General Motors Components Holdings		Site Location: Delphi Harrison Thermal Systems, Lockport, NY	Project No. 21.0056546.20
Photo No. 1	Date: 9/17/2024		
Direction Photo Taken: NE			
Description: Creek and lawn area north of Site Road #2.			

Photo No. 2	Date: 9/17/2024	
Direction Photo Taken: NNE		
Description: Lawn area north of Site Road #2.		



Photograph Log

Client Name: General Motors Components Holdings		Site Location: Delphi Harrison Thermal Systems, Lockport, NY	Project No. 21.0056546.20
Photo No. 3	Date: 9/17/2024	 A wide-angle photograph of a large, green lawn area. A large, leafy tree is on the right side, and a utility pole stands in the middle ground. In the background, there are some buildings and a parking lot under a cloudy sky.	
Direction Photo Taken: West			
Description: Eastern end of lawn area.			

Photo No. 4	Date: 9/17/2024	 A photograph showing the intersection of Road No. 3 and Route 93. A paved road leads to a grassy area with several trees. In the background, there are houses and parked cars. The sky is blue with some clouds.
Direction Photo Taken: SE		
Description: End Road No. 3 intersection at Route 93.		



Photograph Log

Client Name: General Motors Components Holdings		Site Location: Delphi Harrison Thermal Systems, Lockport, NY	Project No. 21.0056546.20
Photo No. 5	Date: 9/17/2024		
Direction Photo Taken: NW			
Description: Northern Site lawn and east wall of Building 6.			

Photo No. 6	Date: 9/17/2024	
Direction Photo Taken: NW		
Description: North lawn area and SE corner of Building 6.		



Photograph Log

Client Name: General Motors Components Holdings		Site Location: Delphi Harrison Thermal Systems, Lockport, NY	Project No. 21.0056546.20
Photo No. 7	Date: 9/17/2024		
Direction Photo Taken: East			
Description: View of eastern lawn area from Site Road #3.			

Photo No. 8	Date: 9/17/2024	
Direction Photo Taken: West SE		
Description: GM Parking area from Site Road #3.		



Photograph Log

Client Name: General Motors Components Holdings		Site Location: Delphi Harrison Thermal Systems, Lockport, NY	Project No. 21.0056546.20
Photo No. 9	Date: 9/17/2024		
Direction Photo Taken: South			
Description: GM parking area from Site Road #3.			

Photo No. 10	Date: 9/17/2024	
Direction Photo Taken: West		
Description: Site Road #3, western end of Site, and SE corner of Building 8.		



Photograph Log

Client Name: General Motors Components Holdings		Site Location: Delphi Harrison Thermal Systems, Lockport, NY	Project No. 21.0056546.20
Photo No. 11	Date: 9/17/2024		
Direction Photo Taken: East			
Description: MAHLE Parking area south of Building 6.			

Photo No. 12	Date: 9/17/2024	
Direction Photo Taken: Northeast		
Description: GM Parking area and Road 3.		



APPENDIX B

INSTITUTIONAL AND ENGINEERING CONTROL CERTIFICATION FORM



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **932113**

Site Name **Delphi Harrison Thermal Systems**

Site Address: 350 Upper Mountain Road Zip Code: 14094
City/Town: Lockport
County: Niagara
Site Acreage: 22.700

Reporting Period: December 16, 2023 to December 16, 2024

YES NO

1. Is the information above correct? ☒ ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period? ☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? ☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period? ☐ ☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development? ☐ ☒

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below? ☒ ☐
Commercial and Industrial

7. Are all ICs in place and functioning as designed? ☒ ☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

Description of Institutional ControlsParcelOwnerInstitutional Control

108.13-1-1

GM Components Holdings LLC

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

In March 2005, a Record of Decision was issued for this site. The selected remedy was Monitored Natural Attenuation (MNA). Long-term groundwater monitoring is required to evaluate the continued effectiveness of MNA at the site.

An Environmental Easement was filed with the Niagara County Clerk's Office on October 6, 2011. This easement states that the Controlled Property may be used for commercial or industrial use as long as the following engineering controls are employed and the land use restrictions specified below are adhered to: (1) implement and comply with all elements of the Department approved Site Management Plan, (2) restrict use of groundwater at the Controlled Property as a source of potable or process water without necessary water quality treatment as determined by the Niagara County Department of Health, and (3) evaluate the potential for vapor intrusion into any buildings developed on the Controlled Property. Provision for mitigation (if determined to be necessary), such as installation of a vapor barrier and sub-slab vapor system or other engineering controls shall be implemented on all structures on the Controlled Property prior to occupancy.

Box 4**Description of Engineering Controls**

None Required

Not Applicable/No EC's

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

☒ ☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

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

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

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

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

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

YES NO

☒ ☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 932113

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Merrick Alexander at 500 Wentworth St W, Oshawa ON L1J 0C5,
print name print business address

am certifying as Remediation Project Manager (Owner or Remedial Party)

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



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

June 13, 2025

Date

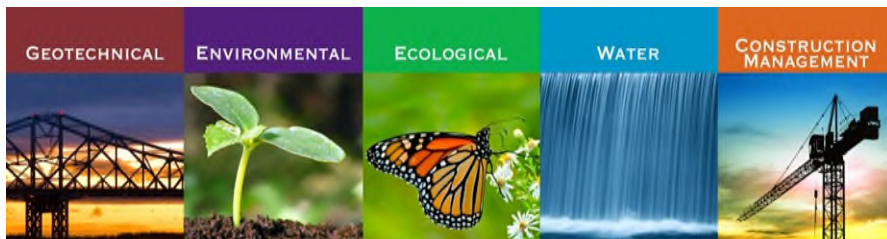


APPENDIX C

RESULTS OF JULY 2024 MONITORED NATURAL ATTENUATION GROUNDWATER SAMPLING REPORT



Proactive by Design



**JULY 2024 MONITORED NATURAL
ATTENUATION GROUNDWATER REPORT
DELPHI HARRISON THERMAL SYSTEMS SITE
Registry Site No. 932113
GM COMPONENTS HOLDINGS, LLC
Lockport, New York**

Submitted April 1, 2025

File No. 21.0056546.20



PREPARED FOR:

New York State Department of Environmental
Conservation

GZA GeoEnvironmental of New York

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716-685-2300

32 Offices Nationwide

www.gza.com

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T: 716.685.2300
F: 716.248.1472
www.gza.com



VIA E-MAIL

April 1, 2025
File No: 21.0056546.20

Mr. Glenn May, CPG
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, New York 14203-2915

RE: July 2024 Monitored Natural Attenuation Groundwater Report
Delphi Harrison Thermal Systems Site - Registry Site Number 932113
Lockport, New York (Site)

Mr. May:

GZA GeoEnvironmental of New York (GZA) is pleased to provide the attached July 2024 Monitored Natural Attenuation (MNA) Groundwater report for the above reference Site.

We trust this report satisfies your present needs. If you need any additional information, please contact Thomas Bohlen at 716-570-5983.

Sincerely,

GZA GEOENVIRONMENTAL OF NEW YORK

Thomas Bohlen, P.G.
Senior Project Manager

Jeremiah Duncan, Ph.D
Senior Chemist/Consultant Reviewer

Bart A. Klettke, P.E.
Principal



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FIGURE 2 TOTAL COC CONTOUR MAP

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APPENDIX A GROUNDWATER SAMPLING FIELD FORMS

APPENDIX B COCS, TOTAL VOCs, AND TOC DATA GRAPHS

APPENDIX C RESULTS OF EPA CVOC MONITORED NATURAL ATTENUATION RANKING SYSTEM

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1.0 INTRODUCTION AND BACKGROUND

GZA presents this report summarizing results of the July 2024 groundwater monitored natural attenuation (MNA) sampling event conducted at the Delphi Harrison Thermal Systems Site - Registry Site Number 932113 (Site). The groundwater sampling event was conducted from July 26 through July 30 and included sampling of 8 monitoring wells (MW-4, -7, -10, -11, -12, -13, -14 and -15). The wells were sampled for five compounds of concern (COCs)¹ and MNA parameters as specified in the Site Management Plan² (SMP). In addition to the MNA parameters listed in the SMP, carbon dioxide, hydrogen, ethene, and ethane were added to the sampling parameter list in 2014. Hydrogen was not sampled during this 2024 round, as the subcontracted laboratory (Eurofins Test America) ceased dissolved hydrogen analysis via Method AM20GAX. Pace Analytical indicated hydrogen analysis via Method RSK-175 was under development and expected to be available for the 2025 sampling event.

2005

In March 2005, the New York State Department of Environmental Conservation (NYSDEC) issued a Record of Decision (ROD) for the Site, which selected MNA as the remedial alternative to address the on-site COCs. Annual MNA groundwater sampling was completed voluntarily from October 2006 through May 2011.

2006 to 2011

Six monitoring wells (MW-7, MW-11, MW-12, MW-13, MW-14 and MW-15) were monitored in October 2006, November 2007, November 2008, and March 2009. Analytical data are provided on **Figure 1**. MW-7 is in the vicinity of the source area and the other five wells (MW-11 through MW-15) are at down-gradient monitoring locations. Based on the analytical result through March 2009, the sampling program was expanded in July 2009 to include two mid-plume wells (MW-4 and MW-10) and two cross-gradient wells (MW-8 and MW-9). Results of the 2010 event indicated natural attenuation was occurring with limited evidence of reductive dechlorination near the source area (MW-7) and midpoint (MW-4 and -10) of the groundwater plume. There was adequate to strong evidence for anaerobic biodegradation of COCs at the leading edge of the plume (MW-11 through -15). Given these conditions and lack of evidence of plume expansion, it appeared natural attenuation was effectively managing plume migration.

2012 to 2014

In November 2011, GMCH entered an Order on Consent and Administrative Settlement (Index #B9-0553-99-06) for the Site which required annual sampling in accordance with the SMP. The 2012 through 2014 annual sampling included eight monitoring wells (MW-4, -7, and -10 through -15). Wells MW-8 and MW-9 were removed from the sampling program. As stated in the SMP, groundwater sampling results through 2014 indicated:

- Natural attenuation of the COCs was occurring via reductive dechlorination;
- Concentrations of parent COCs were decreasing and concentrations of daughter compounds increased at the source area (MW-7), middle of the plume (MW-4 and MW-10) and down-gradient (MW-11 through MW-15); and
- Concentrations of COCs at the most down-gradient well (MW-13; proximate to the eastern Site boundary) did not exceed NYSDEC Class GA criteria.

¹ The five COCs are trichloroethylene, tetrachloroethylene, *cis*-1,2-dichloroethylene, *trans*-1,2-dichloroethylene, and vinyl chloride.

² "Delphi Harrison Thermal Systems Site, Niagara County, New York, Site Management Plan, NYSDEC Site Number 9-32-113" dated October 2011. Prepared for GM Components Holdings, LLC by GZA.



Additionally, the 2013 data indicated ethene was detected in groundwater samples collected from all 8 monitoring wells. Ethene represents an end-product of chlorinated volatile organic compound (cVOC) reductive dechlorination. Detection of ethene at each monitoring well was a direct line of evidence that cVOCs have been degraded to completion at the Site.

The temporal decreasing trend in TOC concentrations continued through the 2013 monitoring event. GZA recommended a treatability study to evaluate the feasibility of an organic carbon amendment to additionally stimulate natural attenuation via reductive dechlorination. The study included deployment of *in-situ* microcosms (Bio-Trap® In-Situ Microcosms, manufactured by Microbial Insights, Inc. of Knoxville, Tennessee). The “baited” or “BioStim” units included an organic carbon additive to evaluate if reductive dechlorination could be stimulated via an organic carbon amendment.

Conclusions of the 2014 Treatability Study:

At the source area (MW-7):

- *Dehalococcoides* populations were detected in both the control and carbon amendment units. However, population counts were below concentrations at which an effective rate of dechlorination generally occurs.
- Addition of the organic carbon amendment at the source location did not substantially enhance growth of dechlorinating bacteria or increase reductive dechlorination during the study period.

At the mid-plume location (MW-4):

- High concentrations of *Dehalococcoides* and vinyl chloride reductase enzyme genes were detected in the “unbaited” MNA unit, indicating the potential for complete reductive dechlorination of TCE to ethene under existing conditions.

The *Dehalococcoides* population in the BioStim unit with added organic carbon was an order of magnitude higher than the MNA unit. Vinyl chloride reductase genes were also higher in the Biostim unit as compared to the MNA unit, suggesting the carbon amendment enhanced growth of dechlorinating bacteria during the study period. However, contaminant concentrations and geochemistry were not substantially different from concentrations observed from the MNA unit.

2.0 2024 GROUNDWATER MONITORING AND SAMPLING

The 2024 groundwater monitoring event was conducted from July 26 through July 30, 2024. In accordance with the SMP, 8 monitoring wells were sampled (MW-4, MW-7, and MW-10 through MW-15 (**Figure 1**)).

Methodology

Low-flow groundwater sampling was performed via a peristaltic pump and dedicated disposable polyethylene tubing. A water quality meter was used to collect water quality field parameters. The sampling methodologies and analytical parameters were consistent with the SMP.

Field Measured Parameters: temperature, specific conductance, pH, turbidity, dissolved oxygen (DO), and oxidation reduction potential (ORP).



Compounds of Concern: tetrachloroethylene (PCE), trichloroethylene (TCE), *cis*-1,2-dichloroethylene (*cis*-DCE), *trans*-1,2-dichloroethylene (*trans*-DCE) and vinyl chloride (VC).

Natural Attenuation Parameters: iron, magnesium, manganese, potassium, sodium, alkalinity, total organic carbon (TOC), chloride, ammonia, nitrate, nitrite, sulfate, carbon dioxide, methane, ethene, and ethane.

Groundwater pumping rates varied in wells during monitoring/sampling. Once a stable water level (constant head) was established within the monitoring wells, flow rates were maintained for the monitoring/sampling. Samples were collected for analysis after field-measured parameters stabilized. A stable water level could not be established at well MW-7 (as experienced in previous sampling rounds). Therefore, this location was purged to dry-like conditions and allowed to recharge until the recharge volume was sufficient to collect the samples. The monitoring well observations and groundwater sampling field forms are included in **Appendix A**.

3.0 ANALYTICAL RESULTS AND DISCUSSION

Analytical results of the 2024 sampling round are summarized in **Table 1** and shown on **Figure 1**. The analytical results for the COCs (current and historical) are shown on **Figure 1**. Total COCs and TOC data graphs are included in **Appendix B**. The concentrations of *cis*-DCE and *trans*-DCE are shown as total 1,2-DCE in **Figure 1** and on the graphs in **Appendix B**. A contour map of total COC concentrations is shown on **Figure 2** and a contour map of the 2024 groundwater elevation data is shown on **Figure 3**.

The Eurofins Test America, Buffalo laboratory report and the third-party data validation report are provided in **Appendix D**.

Compounds of Concern

Source Area Monitoring Well (MW-7)

MW-7: Concentrations of TCE at MW-7 have generally ranged from 530 to 880 mg/L from October 1996 through July 2024; except for four contiguous sample rounds conducted from April 2003 through November 2008, when concentrations ranged from 1.1 to 434 mg/L. The July 2024 TCE concentration of 750 mg/L, as shown on the graph in **Appendix B** is an increase in concentration from the 2023 sampling event but is generally consistent with recent concentration trends.

Concentrations of 1,2-DCE at MW-7 have ranged from 22 to 74 mg/L since the initiation of sampling in April 1996.

Concentrations of PCE and VC have generally been consistent since the start of the sampling in 1996.

Mid Plume Monitoring Wells (MW-4 and MW-10)

MW-4: Concentrations of PCE and TCE have generally been consistent since the start of the sampling in 1996. 1,2-DCE concentrations decreased until approximately 2009, after which concentrations slowed/stabilized. 1,2-DCE concentrations were consistent in 2024 (27 mg/L) compared with concentrations from the September 2022 and October 2023 sampling events (29 mg/L). Similarly, VC concentrations decreased until about 2014 and have since stabilized. VC concentrations were 2.6 mg/L in July 2024.



MW-10: Concentrations of TCE and 1,2-DCE at MW-10 have generally decreased since 1996, which is consistent with natural attenuation. In July 2024, 1,2-DCE continued to exhibit a slight decrease in concentration (0.1 mg/L) compared to the previous two years (0.25 and 0.17 mg/L, respectively). PCE concentrations have been below its method detection limit (MDL) since 2013. In 2024, TCE (0.015 mg/L) and VC (0.0038 mg/L) were detected at historically low concentrations.

Down-gradient Monitoring Wells (MW-11 through MW-15)

MW-11: COCs were not detected at concentrations above MDLs in 2024 and 8 of the last 9 events. In 2020, TCE was detected at a concentration above the MDL but below its NYSDEC Class GA Criterion.

MW-12: With one exception of TCE detected at a concentration of 0.0074 mg/L in 2014, PCE and TCE have not been detected above their respective Class GA criteria (0.005 mg/L) since sampling began in 1997. Concentrations of PCE and TCE were below MDLs in 2024. 1,2-DCE was detected below its Class GA criterion of 0.005 mg/L at a concentration of 0.0041 mg/L in 2024. Detections of 1,2-DCE have generally trended downward since a high concentration of 0.272 mg/L in 2010. In July 2024, VC was detected slightly above its Class GA criterion (0.002 mg/L) at a concentration of 0.0025 mg/L. 1,2-DCE and VC are TCE degradation products biodegraded by bacteria. The geochemistry and concentrations of COCs in MW-12, and lack of 1,2-DCE and VC in downgradient well MW-13, are evidence for the degradation of cVOCs via MNA.

MW-13: COCs were generally not detected at concentrations above MDLs from 2001 through 2023. TCE was detected above the MDL but below its Class GA criterion of 0.005 mg/L at a concentration of 0.0015 mg/L in 2024. TCE was previously detected twice (October 2006 and May 2019) at concentrations above the MDL but below its NYSDEC Class GA standard of 0.005 mg/L.

MW-14: Concentrations of COCs were below MDLs in 2024, which is consistent with sampling results from 2016 to 2020. In 2022, TCE was detected at 0.0062 mg/L, which exceeded its Class GA criterion of 0.005 mg/L, but at a concentration below this criterion at 0.00092 mg/L in 2023.

MW-15: Concentrations of TCE were below MDLs in 8 of the 22 monitoring events since initiation of sampling in 2001. Between 2010 and 2024, TCE was detected in all but one sampling event at concentrations ranging from 0.00054 mg/L and 0.001 mg/L and below its NYSDEC Class GA criterion (0.005 mg/L). Since 2001, PCE has been detected above its NYSDEC Class GA criterion in all but two sampling rounds (0.004 mg/L in 2020 and 0.0045 mg/L in 2024) with a maximum concentration of 0.02 mg/L in 2001. The concentration of PCE in 2024 (0.0045 mg/L) was consistent with concentrations in 2022 and 2023 (0.0061 and 0.0068 mg/L respectively) and was below the NYSDEC Class GA criterion (0.005 mg/L).

1,2-DCE was not detected above the MDL in 2024. 1,2-DCE has not been detected in 19 of 22 sampling events. Concentrations of VC have been below its MDLs in sampling events completed since 2001.

Natural Attenuation Performance

Findings of the July 2024 groundwater analytical and water quality data are generally consistent with the substantive conclusions and trends noted in prior reports. During 2024, GZA used Wiedemeier *et al.*'s (1998³) approach to evaluate the performance data to re-assess the strength of the evidence supporting reductive dechlorination. A table summarizing the results of that evaluation is included in **Appendix C**, and the results are tabulated below. Notably, a comparison of

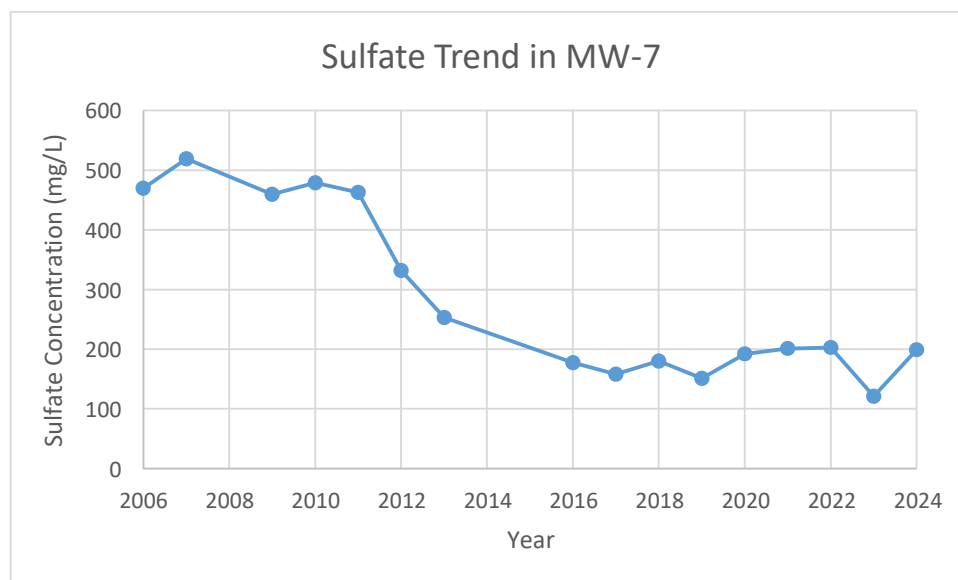
³ Wiedemeier, T.H., Swanson, M.A., Moutoux, D.E., Gordon, E.K., Wilson, J.T., Wilson, B.H., Kampbell, D.H., Haas, P.E., Miller, R.N., Hansen, J.E., and Chapelle, F.H., 1998, Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water, EPA/600/R-98/128, 78 p.



the 2023 summary of strength of natural attenuation evidence with that of 2024 reveals that well MW-12 moved from “Adequate” in 2023 to “Strong” in 2024. The other seven wells remained consistent with recent trends.

WELL	STRENGTH OF NATURAL ATTENUATION EVIDENCE			
	INADEQUATE EVIDENCE	LIMITED EVIDENCE	ADEQUATE EVIDENCE	STRONG EVIDENCE
<i>Source Area Well</i>				
MW-7		X		
<i>Mid Plume Wells</i>				
MW-4				X
MW-10			X	
<i>Down-gradient Wells</i>				
MW-11		X		
MW-12				X
MW-13		X		
MW-14			X	
MW-15		X		

Note: “X” indicates the respective strength of the evidence for natural attenuation by reductive dechlorination for the July 2024 groundwater monitoring round in accordance with Wiedemeier *et al.* (1998).



The decline in sulfate concentrations over time in source area monitoring well MW-7 illustrated above provides additional evidence in support of natural attenuation. Sulfide produced by native sulfate-reducing bacteria can combine with iron to form reactive ferrous sulfide, which degrades TCE abiotically by direct electron donation. The concurrent decrease in dissolved iron concentrations supports the probability that abiotic reduction of TCE is contributing to natural attenuation in the source area.



4.0 GROUNDWATER MONITORING CONCLUSIONS AND RECOMMENDATIONS

CONCLUSIONS

Based on the results of the July 2024 sampling round and historical data trends, natural attenuation of COCs is occurring via reductive dechlorination. GZA offers the following additional observations relative to the 2024 sampling round:

- The concentrations of parent compounds (PCE and TCE) decrease significantly from the source area (MW-7), downgradient to the mid-point of the plume (MW-4 and MW-10), and to the downgradient portions of the Site (MW-11 through MW-14), where COC concentrations are generally below MDLs and/or are below their respective NYSDEC Class GA Criteria. Parent compounds continue to be detected in downgradient well MW-15; where concentrations of TCE remain below its Class GA criterion. The concentration of PCE in 2024 was 0.0045 mg/L, which was consistent with concentrations in 2022 and 2023 (0.0061 and 0.0068 mg/L respectively) and was below the NYSDEC Class GA criterion of 0.005 mg/L. No COCs were detected above criteria at MW-15 during this event.
- There is overall decrease in total COC concentrations downgradient from the source area (MW-7).
- Based on data trends and supported by the findings of the 2014 treatability study, current conditions mid-plume (MW-4) show potential for complete reductive dechlorination of COCs to ethene. COCs concentrations were generally below MDLs or at concentrations below NYSDEC Class GA criteria at the downgradient Site boundary, which provides additional evidence for continued natural attenuation.
- COCs were not detected above NYSDEC Class GA groundwater standards at downgradient property line monitoring wells (MW-11 and MW-13). In 2022, TCE was detected at 0.0062 mg/L and exceeding its Class GA criteria of 0.005 mg/L at downgradient well MW-14. TCE, or other COCs were not detected above the NYS Class GA criteria at MW-14 during the 2023 or 2024 sampling events.
- Low concentrations of daughter products (1,2-DCE and VC) were detected in MW-12, just upgradient of MW-11 and MW-13, but the parent compounds PCE and TCE were not detected above MDLs. The presence of the daughter products here (but not at the downgradient property line wells) is further evidence of natural attenuation.

RECOMMENDATIONS

In June 2021, GMCH requested the cessation of sampling MW-10. If acceptable to NYSDEC and the New York State Department of Health (NYSDOH), the 2025 monitoring event shall include a total of seven wells (MW-4, -7, -11, -12, -13, -14 and -15). The COC and natural attenuation analytical parameters analyzed during the 2025 sampling round shall be consistent with the 2024 sampling event. Dissolved hydrogen sampling is anticipated to resume in 2025, dependent upon laboratory capability to analyze via Method RSK-175.



TABLES

Table 1
Summary of Groundwater Sample Analytical Results
Delphi Harrison Thermal Systems Site
Site No. C932113

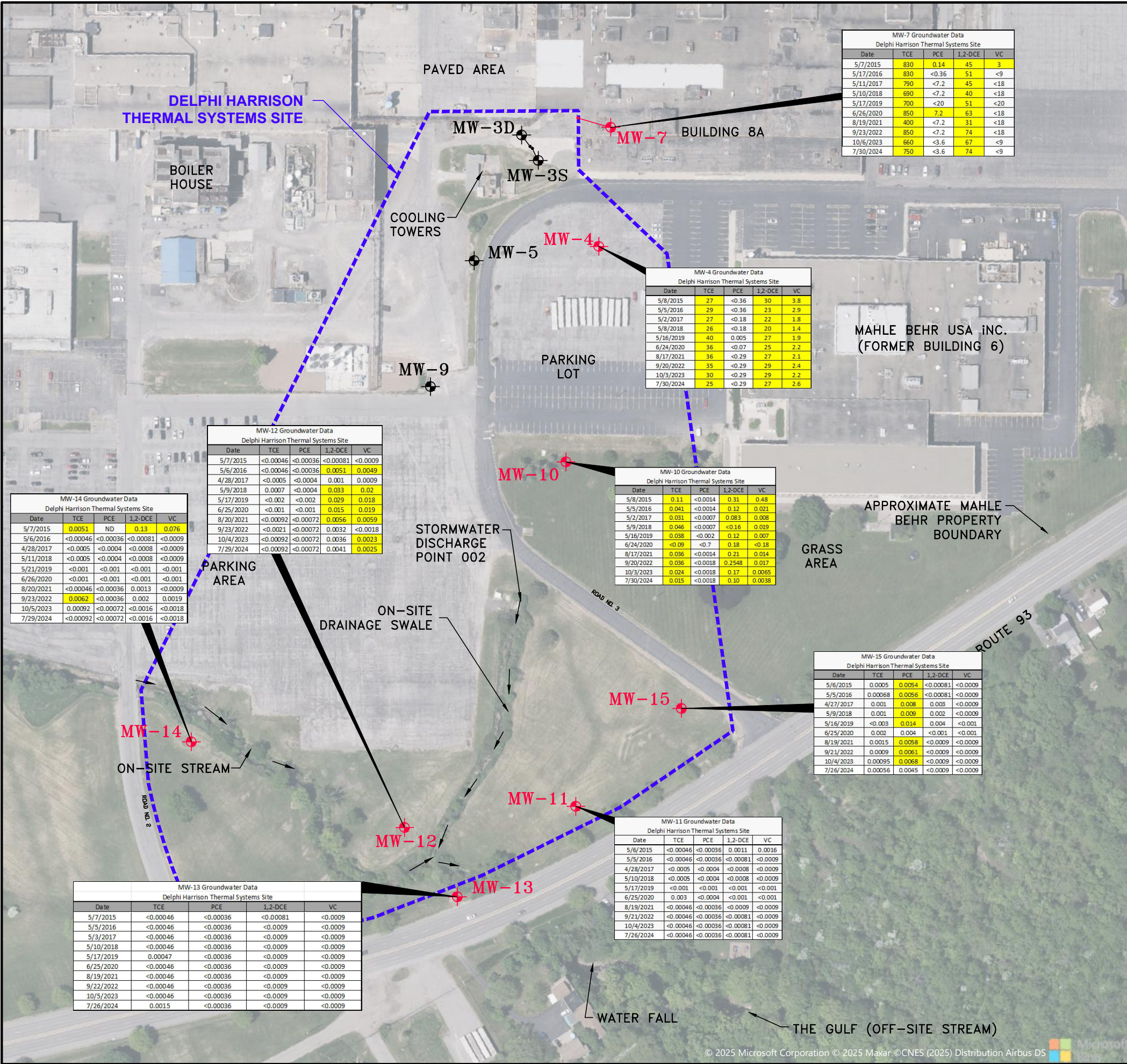
Sample Location Sample Date	Class GA Criteria	DELPHI HARRISON GROUNDWATER WELLS									
		MW-4 7/30/2024	MW-7 7/30/2024	MW-10 7/30/2024	MW-11 7/26/2024	MW-12 7/29/2024	MW-13 7/26/2024	MW-14 7/29/2024	MW-15 7/26/2024		
		Q	Q	Q	Q	Q	Q	Q	Q		
VOC Compounds of Concern (ug/L)											
cis-1,2-Dichloroethene	5	27,000	74,000	100	ND	4.1	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	4.5	
trans-1,2-dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	5	25,000	750,000	15	ND	ND	1.50	ND	ND	0.56 J	
Vinyl Chloride	2	2,600	ND	3.8	ND	2.5	ND	ND	ND	ND	
Total VOCs		54,600	824,000	119	ND	6.6	1.50	ND	ND	5.1	
Field Parameters											
Temperature (Deg. C)	NV	18.4	19.8	16.6	15.8	18.5	18.1	18.3		16.4	
Specific Conductance (mS/cm)	NV	9.698	2.150	5.630	1.467	7.728	6.420	9.351		2.695	
Dissolved Oxygen (mg/L)	NV	0.19	5.02	0.18	0.30	0.13	1.14	0.12		0.33	
Oxygen Reduction Potential (mv)	NV	-26.8	-40.9	141.6	-151.7	-99.9	111.6	17.9		108.0	
pH (std. units)	NV	6.91	7.55	7.08	7.53	6.93	6.96	6.95		6.91	
Turbidity (NTUs)	NV	2.67	3.80	1.73	2.07	3.70	2.23	6.54		3.35	
Inorganics (mg/L)											
Iron	0.3	1.2	0.043 J	0.13	0.085	5.3 B	0.15	0.52 B		ND	
Magnesium	35 ^{Note 4}	89.8	42.7	34.3	36.5	46.6	45.2	143		43.7	
Manganese	NV	0.58 B	0.014 B	0.54 B	0.023 B	5.2 B	0.27 B	0.95 B		0.31 B	
Potassium	NV	19.3	10.8	2.8	8.6	4.2	8.7	11.1		3.9	
Sodium	20	1680	202	1,010	131	1,330	971	1,710		286	
Miscellaneous Water Quality Parameters											
Methane (ug/L)	NV	1,100	160	35	9.5	250 B	ND	330 B		ND	
Ethane (ug/L)	NV	73	63	ND	ND	2.7 J B	ND	3.2 J B		ND	
Ethene (ug/L)	NV	460	790	ND	ND	2.0 J B	ND	1.9 J B		ND	
Carbon Dioxide (ug/L)	NV	48,000	14,000	36,000	19,000	56,000	62,000	67,000		77,000	
Total Organic Carbon (mg/L)	NV	ND	6.5	1.6	ND	3.2	ND	1.4		0.62 J	
Alkalinity (mg/L)	NV	207 B F1	188 B	250 B	252	359 F1	441	408		434	
Ammonia (mg/L)	NV	1.9 B	0.64 B	ND	0.29	1.5	0.10 F1	0.75 F1		ND	
Chloride (mg/L)	NV	2,860.0 F1	332	1,620	345	2270	1,730	2,650		552	
Nitrate (mg/L)	NV	ND	ND	0.21	0.11 H	ND	0.50 H	ND		0.15 H	
Nitrite (mg/L)	NV	ND	ND	ND	ND	ND	ND	ND		ND	
Sulfate (mg/L)	NV	380 F2 F1	199	192	207	140	86.3	78.5		63.0	
Hydrogen (nm)	NV	NT	NT	NT	NT	NT	NT	NT		NT	

Notes:

- Only compounds detected in one or more of the groundwater samples are presented in this table.
- 'Analytical testing completed by Eurofins in Amherst, New York.
- Criteria is a guidance value.
- Laboratory qualifiers: B = compound was found in the blank and sample; J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximation. H = Sample prepped or analyzed beyond holding time;
F1 = MS and/or MSD Recovery is outside acceptance limits. F2 = MS/MSD Relative Percent Difference (RPD) exceeds control limits.
- mg/L = parts per million; ug/L = parts per billion
- NYSDEC Class GA Groundwater Criteria as promulgated in 6 NYCRR 703; Table 1 in Technical and Operational Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, dated October 1993; revised June 1998; errata dated January 1999; addendum dated April 2000.
- NV = no value, ND = not detected, NT = not tested.
- Yellow shaded concentrations exceed Class GA criteria.



FIGURES



NOTES:

1. BASE MAP IMPORTED VIA AUTODESK CIVIL 3D 2022 GEOLOCATION TOOL.
2. ANALYTICAL TESTING WAS COMPLETED BY EUROFINS/TEST AMERICA LABORATORIES.
3. UNITS ARE LISTED IN MILLIGRAMS PER LITER (mg/l). (< - INDICATES COMPOUND NOT DETECTED ABOVE THE SPECIFIED DETECTION LIMIT)
4. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

LEGEND:

- MW-4** APPROXIMATE LOCATION AND DESIGNATION OF MONITORING WELL INSTALLED BY GZA
- TCE = TRICHLOROETHENE
- PCE = TETRACHLOROETHENE
- 1,2-DCE = TRANS & CIS 1,2-DICHLOROETHENE
- VC = VINYL CHLORIDE
- 0.006 HIGHLIGHTED VALUES INDICATE EXCEEDANCE OF NYS CLASS GA GROUNDWATER CRITERIA

DRAWN BY: TAK

DATE: JULY 2024

GZA GeoEnvironmental of New York



APPROXIMATE SCALE IN FEET



GM COMPONENTS HOLDINGS, LLC
DELPHI HARRISON THERMAL SYSTEMS SITE

200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK

JULY 2024 GROUNDWATER SAMPLING

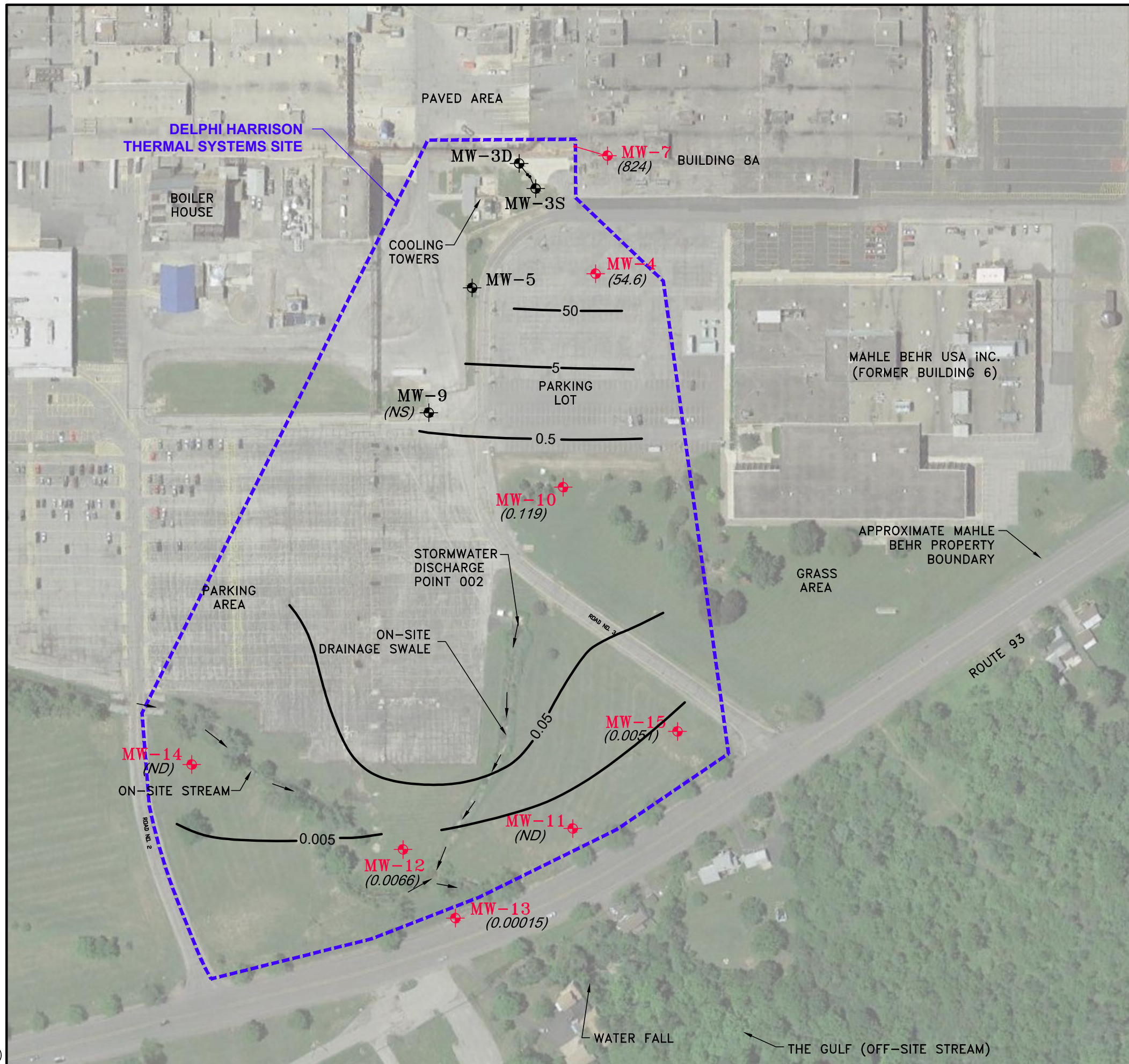
GROUNDWATER ANALYTICAL RESULTS

PROJECT No.

21.0056546.20

FIGURE No.

1



NOTES:

1. BASE MAP ADAPTED FROM A 2005 AERIAL PHOTOGRAPH
DOWNLOADED FROM http://www.nysgis.state.ny.us/gateway/mg/interactive_main.html AND SITE OBSERVATIONS.
2. ANALYTICAL TESTING WAS COMPLETED BY
EUROFINS/TEST AMERICA LABORATORIES.
3. UNITS ARE LISTED IN MILLIGRAMS PER LITER (mg/l). (< -
INDICATES COMPOUND NOT DETECTED ABOVE THE
SPECIFIED DETECTION LIMIT)
4. THE SIZE AND LOCATION OF EXISTING SITE FEATURES
SHOULD BE CONSIDERED APPROXIMATE.

LEGEND:

- 50**
- APPROXIMATE LOCATION AND
CONCENTRATION OF TOTAL
VOC CONTOUR
- MW-4** 
(54.6)
- APPROXIMATE LOCATION AND
DESIGNATION OF MONITORING
WELL INSTALLED BY GZA SHOWN
WITH TOTAL VOC CONCENTRATION
- NS = NOT SAMPLED
- ND = NON-DETECT

DRAWN BY: MDK

DATE: SEPTEMBER 2024

**GZA GeoEnvironmental of
New York**



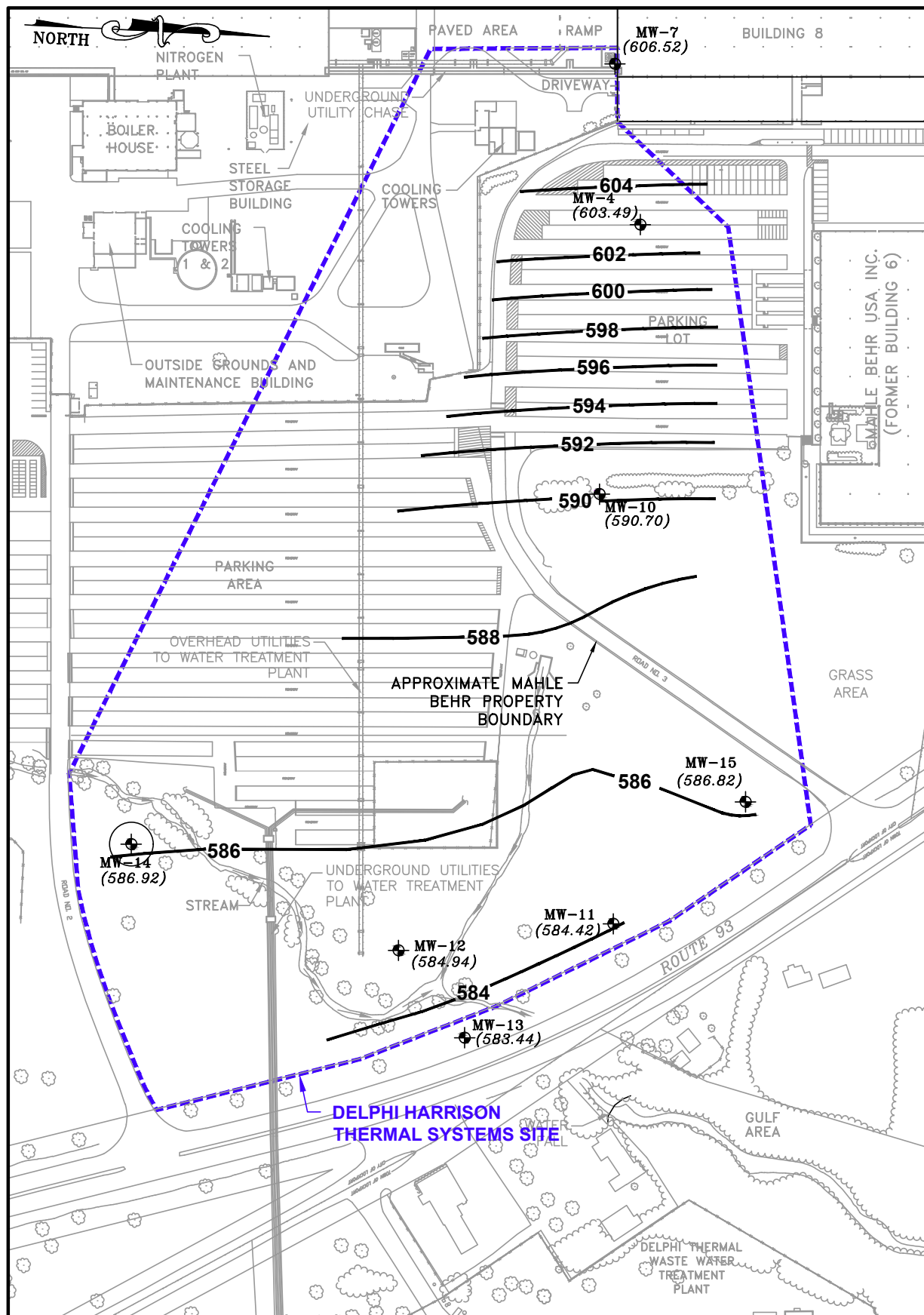
APPROXIMATE SCALE IN FEET



GM COMPONENTS HOLDINGS, LLC
DELPHI HARRISON THERMAL SYSTEMS SITE
200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK
JULY 2024 GROUNDWATER SAMPLING

PROJECT No.
21.0056546.20

FIGURE No. **2**



DRAWN BY: MDK DATE: SEPTEMBER 2024		GZA GeoEnvironmental of New York	
SCALE IN FEET 0 100 200 400		GM COMPONENTS HOLDINGS, LLC DELPHI HARRISON THERMAL SYSTEMS SITE 200 UPPER MOUNTAIN ROAD JULY 2024 GROUNDWATER SAMPLING GROUNDWATER ISOPOTENTIAL MAP (JULY 15, 2024)	
PROJECT No. 21.0056546.20		FIGURE No. 3	

LEGEND:

- MW-4 (603.49)  APPROXIMATE LOCATION AND DESIGNATION OF EXISTING MONITORING WELL INSTALLED BY GZA
-  APPROXIMATE GROUNDWATER ELEVATION MEASURED ON DATE SHOWN IN TITLE BLOCK

NOTES:

1. BASE MAP ADAPTED FROM AN AUTOCAD FILE PROVIDED BY DELPHI HARRISON THERMAL SYSTEMS.
2. GROUNDWATER ELEVATIONS MEASURED ON JULY, 15, 2024.



APPENDIX A

GROUNDWATER FIELD FORMS

SAMPLE COLLECTION DATA SHEET - GROUNDWATER SAMPLING PROGRAM

PROJECT NAME Delphi Harrison Thermal Systems Site PROJECT NO. 56546.20 T. 4
 SAMPLING CREW MEMBERS M. Brown SUPERVISOR Richer
 DATE OF SAMPLE COLLECTION 7/26/24 - 7/30/24 Rohlen

[Note: For 2" dia. well, 1 ft. = 0.14 gal (imp) or 0.16 gal (us)]

Sample I.D. Number	Well No.	Measuring Point Elev. (ft. AMSL)	Bottom Depth (ft. btoc)	Water Depth (ft. btoc)	Water Elevation (ft. AMSL)	Well Volume (gallons)	Bailer Volume No. Bails	Volume Purged (gallons)	Field pH	Field Temp.	Field Cond.	Time	Sample Description & Analysis
MW-4 073024	MW-4	613.07	34.91	9.81	603.26	4.1		0.9	6.91	18.4	9.698	1300	VOC MNA VFA
MW-7 073024	MW-7	613.86	28.96	7.70	606.16	3.5		4.6	7.55	19.8	2.158	1500	"
MW-10 073024	MW-10	604.70	23.71	14.82	589.88	1.4		0.7	7.08	16.6	5.638	1200	"
MW-11 072624	MW-11	590.16	25.17	5.78	584.38	3.2		0.8	7.53	15.8	1.467	1180	"
MW-12 072926	MW-12	590.71	16.41	5.80	584.91	1.7		1.2	6.93	18.5	7.73	1130	"
MW-13 072624	MW-13	589.02	15.07	5.09	583.93	1.6		0.8	6.96	18.1	6.420	1245	"
MW-14 072924	MW-14	592.77	21.38	7.33	585.44	2.3		1.4	6.95	18.3	9.351	1330	"
MW-15 072624	MW-15	594.04	16.92	7.37	586.67	1.6		0.8	6.91	16.4	2.695	1030	"

Additional Comments:

No H₂ sampling conducted

Copies to:

FMG MODIFICATIONS MUST BE ACCOMPANIED BY A REVISION REQUEST FORM APPROVED BY THE PROJECT MANAGER

PID @ TOR =

PID @ Breathing Space =

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Delphi Harrison Thermal Systems Site
 Rel. No.: 56546.20 Task 4

Date: 7/30/24
 Personnel: M. Brown

Monitoring Well Data:

Well No.: MW-4
 Measurement Point: TOR
 Constructed Well Depth (ft): 32.5
 Measured Well Depth (ft): 34.91
 Depth of Sediment (ft): —

Screen Length (ft): 17.5 - 32.5 = 17'
 Depth to Pump Intake (ft)⁽¹⁾: 26
 Well Diameter, D (in): 2
 Well Screen Volume, V_s (gal)⁽²⁾: 4.1
 Initial Depth to Water (ft): 9.81

Time	Pumping Rate (ml/min)	Depth to Water (ft)	Drawdown from Initial Water Level ⁽³⁾ (ft)	pH	Temperature °C	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, V _p (ml.)	No. of Well Screen Volumes Purged ⁽⁴⁾
1215		10.29		6.86	18.4	9.758	1.3	1.19	2.63	0	
1220		10.52		6.88	18.3	9.688	-13.3	0.27	2.67	0.15	
1225		10.56		6.89	18.6	9.715	-18.9	0.44	2.10	0.25	
1230		10.61		6.90	18.5	9.716	-21.0	0.39	2.05	0.35	
1235		10.74		6.90	18.1	9.725	-23.2	0.30	2.27	0.40	
1240		10.83		6.91	18.0	9.718	-24.9	0.22	2.40	0.5	
1245		10.85		6.91	18.1	9.713	-26.1	0.20	2.59	0.65	
1250		10.80		6.91	18.4	9.698	-26.8	0.19	2.67	0.75	

Notes:

- The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
- The well screen volume will be based on a 5-foot screen length. $V_s = \pi \cdot (D/2)^2 \cdot (5 \cdot 12) \cdot (2.54)^3$
- The drawdown from the initial water level should not exceed 0.3 ft.
- Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p/V_s

WELL PURGING FIELD INFORMATION FORM

SITE/PROJECT NAME: Delphi Harrison Thermal Systems Site

JOB# 56546-20

WELL# MW-4

WELL PURGING INFORMATION

10/7/30/24

PURGE DATE
(MM/DD/YY)

10/7/30/24

SAMPLE DATE
(MM/DD/YY)

411

WATER VOL IN CASING
(LITRES/GALLONS)

10.91

ACTUAL VOLUME PURGED
(LITRES/GALLONS)

PURGING AND SAMPLING EQUIPMENT

PURGING EQUIPMENT: DEDICATED ☒ Y ☐ N
(CIRCLE ONE)

SAMPLING EQUIPMENT: DEDICATED ☒ Y ☐ N
(CIRCLE ONE)

PURGING DEVICE: B A - SUBMERSIBLE PUMP B - PERISTALTIC PUMP C - GAS LIFT PUMP D - BAILER
X- PURGING OTHER (SPECIFY)

SAMPLING DEVICE: B E - BLADDER PUMP F - DIPPER BOTTLE
X- SAMPLING OTHER (SPECIFY)

PURGING DEVICE: E A - TEFLON B - STAINLESS STEEL C - POLYETHYLENE
X- PURGING OTHER (SPECIFY)

SAMPLING DEVICE: E D - POLYETHYLENE E - POLYETHYLENE F - SILICONE
X- SAMPLING OTHER (SPECIFY)

PURGING DEVICE: E A - TEFLON B - TYGON C - ROPE D - POLYPROPYLENE E - POLYETHYLENE F - COMBINATION
X- PURGING OTHER (SPECIFY)

SAMPLING DEVICE: E G - ROPE X- (SPECIFY)
X- SAMPLING OTHER (SPECIFY)

FILTERING DEVICES 0.45 ☐ A - IN-LINE DISPOSABLE B - PRESSURE C - VACUUM

FIELD MEASUREMENTS

WELL ELEVATION 613.07 (m/ft)

GROUNDWATER ELEVATION 603.26 (m/ft)

DEPTH TO WATER 19.81 (m/ft)

WELL DEPTH 34.91 (m/ft)

pH TURBIDITY CONDUCTIVITY ORP DO SAMPLE TEMPERATURE
(mV) (ntu) (um/cm) (mV) (mg/L) (°C)
(mV) (ntu) (um/cm) (mV) (mg/L) (°C)
(mV) (ntu) (um/cm) (mV) (mg/L) (°C)
(mV) (ntu) (um/cm) (mV) (mg/L) (°C)
(mV) (ntu) (um/cm) (mV) (mg/L) (°C)

FIELD COMMENTS

SAMPLE APPEARANCE Good COLOUR Silver COLOUR yellow FODGHTY clouded
WEATHER CONDITIONS WIND SPEED 5-10 DIRECTION SW PRECIPITATION 1/4 OUTLOOK N
SPECIFIC COMMENTS

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE CAN PROTOCOLS

DATE 7/30/24 PRINT Morgan Brown SIGNATURE

ANY MODIFICATIONS MUST BE ACCOMPANIED BY A REVISION REQUEST FORM APPROVED BY THE PROJECT MANAGER

PID @ TOR =

PID @ Breathing Space = 0.0

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Delphi Harrison Thermal Systems Site
 Ref. No.: 56546.20 Task 4

Date: 7/29/24 7/30/24
 Personnel: _____

Monitoring Well Data:

Well No.: MW-7
 Measurement Point: TOR
 Constructed Well Depth (ft): 27.20
 Measured Well Depth (ft): 28.96
 Depth of Sediment (ft): _____

Screen Length (ft): 15
 Depth to Pump Intake (ft)⁽¹⁾: 22
 Well Diameter, D (in): 2
 Well Screen Volume, V_s (mL)⁽²⁾: 841
 Initial Depth to Water (ft): 7.70

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level ⁽³⁾ (ft)	pH	Temperature °C	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, V _p (mL)	No. of Well Screen Volumes Purged ⁽⁴⁾
855		8.45		7.34	17.9	1.907	3.0	1.26	4.60	0.1	
0900		9.29		7.37	18.3	1.901	-48.6	0.40	12.00	0.25	
0905		10.80		7.37	18.1	1.893	-94.1	0.19	71.78	0.65	
0910		11.65		7.37	18.2	1.889	-107.0	0.18	125.87	1.10	
0920		13.50		7.36	18.2	1.861	-127.8	0.12	218.70	1.75	
0930		15.46		7.36	18.3	1.888	-131.1	0.18	105.34	2.4	
0940		17.70		7.38	18.1	1.920	-141.7	0.75	116.67	3.30	
0955		22.21		7.39	17.7	1.907	-110.0	0.47	169.58	4.50	
1440		8.09		7.55	19.8	2.150	-40.9	5.02	3.80	0.1	

Notes:

- The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
- The well screen volume will be based on a 5-foot screen length. $V_s = \pi \cdot (D/2)^2 \cdot (5 \cdot 12) \cdot (2.54)^3$
- The drawdown from the initial water level should not exceed 0.3 ft.
- Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p / V_s .

SITE/PROJECT NAME: Delphi Plantation 7
Sussex Site

WELL# MW-7

0	7	7	9	7	4
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PURGE DATE
(MM DD YY)

0	7	3	0	2	4
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SAMPLE DATE
(MM/DD/YY)

11113.5

WATER VOL IN CASING
(LITRES/GALLONS)

46

ACTUAL VOLUME PURGED
(LITRES/GALLONS)

PURGING EQUIPMENT... DEDICATED ☒ Y ☐ N
(CIRCLE ONE)

SAMPLING EQUIPMENT ☒ DEDICATED ☐ N
(CIRCLE ONE)

SAMPLING DEVICE B C. SLADDER PUMP F. DIPPER BOTTLE X-
SAMPLING OTHER (SPECIFY)

SAMPLING DEVICE E C. POLYPROPYLENE X-
SAMPLING OTHER (SPECIES):

SAMPLING DEVICE  C-ROPE X- _____ (SPECIFY) _____
TEFLON/POLYPROPYLENE X- _____
SAMPLING OTHER (SPECIFY) _____

FILTERING DEVICES 0.45	A - IN-LINE DISPOSABLE	B - PRESSURE	C - VACUUM
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100			

WELL ELEVATION | | 61 | 38 | 6 | (m/ft)

{an/it}

GROUNDWATER ELEVATION 116.16 (m/ft)

(17/11)

DEPTH TO WATER | | | | 7 | 7 | 0 (m./ft.)

(m. 41)

WELL DEPTH

			2	8	4	6
--	--	--	---	---	---	---

 (in/ft)

(m/ft)

pH

TURBIDITY

CONDUCTIVITY

ORF

DO

SAMPLE TEMPERATURE

SAMPLE APPEARANCE 17000 COLOR clear TURBIDITY none
WEATHER CONDITIONS WIND SPEED 5-10 DIRECTION: SW PRECIPITATION Y/N OUTLOOK: N
SPECIFIC COMMENTS

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE GM PROTOCOLS

DATE 7/30/74

PRINT

SIGNATURE

ENIG MODIFICATIONS MUST BE ACCOMPANIED BY A REVISION REQUEST FORM APPROVED BY THE PROJECT MANAGER

PID @ TOR =

PID @ Breathing Space =

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Delphi Harrison Thermal Systems Site
 Ref. No.: 56546.20 Task 4

Date: 7/30/24
 Personnel: _____

Monitoring Well Data:

Well No.: MW-10
 Measurement Point: TOR
 Constructed Well Depth (ft): 21.3
 Measured Well Depth (ft): 23.71
 Depth of Sediment (ft): _____

Screen Length (ft): 8.8'
 Depth to Pump Intake (ft)⁽¹⁾: ~17'
 Well Diameter, D (in): 2
 Well Screen Volume, V_s (mL)⁽²⁾: 1.4
 Initial Depth to Water (ft): 14.82

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level ⁽³⁾ (ft)	pH	Temperature °C	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, V _p (mL)	No. of Well Screen Volumes Purged ⁽⁴⁾
1110		15.15		6.97	20.3	5.214	152.0	0.97	3.60	0	
1115		15.25		7.02	18.4	5.333	146.6	0.80	2.44	0.1	
1120		15.28		7.03	17.1	5.358	144.9	0.24	2.24	0.2	
1125		15.30		7.06	17.2	5.519	140.7	0.25	1.98	0.3	
1130		15.32		7.07	16.6	5.494	141.7	0.19	1.89	0.5	
1135		15.32		7.08	16.6	5.630	141.6	0.18	1.73	0.6	

Notes:

- The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
- The well screen volume will be based on a 5-foot screen length. $V_s = \pi \cdot (D/2)^2 \cdot (5 \cdot 12) \cdot (2.54)^3$
- The drawdown from the initial water level should not exceed 0.3 ft.
- Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing), No. of Well Screen Volumes Purged = V_p / V_s .

WELL PURGING FIELD INFORMATION FORM				JOB# <u>56546-20</u>
SITE/PROJECT NAME: <u>Delphi Harrison Thermal Systems Site</u>				WELL# <u>MW-10</u>
WELL PURGING INFORMATION				
<u>073024</u> PURGE DATE (MM DD YY)	<u>10173024</u> SAMPLE DATE (MM DD YY)	<u>1114</u> WATER VOL. IN CASING (LITRES/GALLONS)	<u>1071</u> ACTUAL VOLUME PURGED (LITRES/GALLONS)	
PURGING AND SAMPLING EQUIPMENT				
PURGING EQUIPMENT.....DEDICATED ☒ N (CIRCLE ONE)		SAMPLING EQUIPMENT.....DEDICATED ☒ N (CIRCLE ONE)		
PURGING DEVICE	☒ B	A - SUBMERSIBLE PUMP	D - GAS LIFT PUMP	C - BAILER
SAMPLING DEVICE	☒ B	B - PERISTALTIC PUMP	E - PURGE PUMP	H - WATERRA®
		C - BLADDER PUMP	F - DIPPER BOTTLE	
PURGING DEVICE	☒ E	A - TEFLON	D - PVC	
SAMPLING DEVICE	☒ E	B - STAINLESS STEEL	E - POLYETHYLENE	
		C - POLYPROPYLENE		
PURGING DEVICE	☒ E	A - TEFLON	D - POLYPROPYLENE	F - SILICONE
SAMPLING DEVICE	☒ E	B - TYGON	E - POLYETHYLENE	G - COMBINATION TEFLON/POLYPROPYLENE
		C - ROPE	X- _____ (SPECIFY)	
FILTERING DEVICES 0.45 ☐ A - IN-LINE DISPOSABLE B - PRESSURE C - VACUUM				
FIELD MEASUREMENTS				
WELL ELEVATION	<u>160470</u> (m/ft)		GROUNDWATER ELEVATION	<u>1581988</u> (m/ft)
DEPTH TO WATER	<u>11482</u> (m/ft)		WELL DEPTH	<u>12371</u> (m/ft)
pH	TURBIDITY	CONDUCTIVITY	ORP	DO
<u>7.3</u> (std)	<u>1.0</u> (ntu)	<u>1000</u> (µm/cm) AT 25°C	<u>100</u> (mV)	<u>1.0</u> (mg/L)
<u>7.3</u> (std)	<u>1.0</u> (ntu)	<u>1000</u> (µm/cm) AT 25°C	<u>100</u> (mV)	<u>1.0</u> (mg/L)
<u>7.3</u> (std)	<u>1.0</u> (ntu)	<u>1000</u> (µm/cm) AT 25°C	<u>100</u> (mV)	<u>1.0</u> (mg/L)
<u>7.3</u> (std)	<u>1.0</u> (ntu)	<u>1000</u> (µm/cm) AT 25°C	<u>100</u> (mV)	<u>1.0</u> (mg/L)
<u>7.3</u> (std)	<u>1.0</u> (ntu)	<u>1000</u> (µm/cm) AT 25°C	<u>100</u> (mV)	<u>1.0</u> (mg/L)
FIELD COMMENTS				
SAMPLE APPEARANCE	<u>Good</u>	ODOR	<u>Good</u>	COLOR
WEATHER CONDITIONS	WIND SPEED	<u>5-10</u>	DIRECTION	<u>SW</u>
SPECIFIC COMMENTS	PRECIPITATION <u>N</u> / N OUTLOOK <u>N</u>			
I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE CM PROTOCOLS <u>7/30/24</u> <u>Morgan Brown</u> <u>[Signature]</u> DATE PRINT SIGNATURE				

FMG MODIFICATIONS MUST BE ACCOMPANIED BY A REVISION REQUEST FORM APPROVED BY THE PROJECT MANAGER

PID @ Breathing space = 0.0

Project Data:

Project Name: Delphi Harrison Thermal Systems Site
Ref. No.: 56546.20 Task 4

Date: 7/26/24
Personnel: M. Brown

Monitoring Well Data:

Well No.: MW-11

Measurement Point: TOR

Constructed Well Depth (ft): 24.10

Measured Well Depth (ft): 25.17

Depth of Sediment (ft):

Screen Length (ft): 9-21.4
Depth to Pump Intake (ft)⁽¹⁾: 15
Well Diameter, D (in): 2
Well Screen Volume, V_s (mL)⁽²⁾: 3.2
Initial Depth to Water (ft): 5.78

[illegible]

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 5-foot screen length. $V_s = \pi \cdot (D/2)^2 \cdot (5 \cdot 12) \cdot (2.54)^3$
- (3) The drawdown from the initial water level should not exceed 0.3 ft.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p / V_s .

FMG MODIFICATIONS MUST BE ACCOMPANIED BY A REVISION REQUEST FORM APPROVED BY THE PROJECT MANAGER

PID @ Breathing Space = 00

Project Data:

Project Name: Delphi Harrison Thermal Systems Site
Ref. No.: 56546.20 Task 4

Date: 7/29/24
Personnel: M. Brown

Monitoring Well Data:

Well No.: MW-12

Measurement Point: TOR

Constructed Well Depth (ft): 15.10

Measured Well Depth (ft): 16.41

Depth of Sediment (ft):

Screen Length (ft): 7.1
Depth to Pump Intake (ft)⁽¹⁾: 13
Well Diameter, D (in): 2
Well Screen Volume, V_s (mL)⁽²⁾: 1.7
Initial Depth to Water (ft): 5.80

[illegible]

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 5-foot screen length. $V_s = \pi \cdot (D/2)^2 \cdot (5 \cdot 12) \cdot (2.54)^3$
- (3) The drawdown from the initial water level should not exceed 0.3 ft.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p / V_s .

FMG MODIFICATIONS MUST BE ACCOMPANIED BY A REVISION REQUEST FORM APPROVED BY THE PROJECT MANAGER

PID @ TOR = 0.0

PID @ Breathing Space = 0.0

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Delphi Harrison Thermal Systems Site
 Ref. No.: 56546.20 Task 4

Date: 7/26/24
 Personnel: M. Brown

Monitoring Well Data:

Well No.: MW-13
 Measurement Point: TOR
 Constructed Well Depth (ft): 15
 Measured Well Depth (ft): 15.07
 Depth of Sediment (ft): _____

Screen Length (ft): 7
 Depth to Pump Intake (ft)⁽¹⁾: ~12
 Well Diameter, D (in): 2
 Well Screen Volume, V_s (mL)⁽²⁾: 941
 Initial Depth to Water (ft): 5.09

Time	Pumping Rate (mL/min)	Depth to Water (ft)	Drawdown from Initial Water Level ⁽³⁾ (ft)	pH	Temperature °C	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Turbidity (NTU)	Volume Purged, V _p (mL)	No. of Well Screen Volumes Purged ⁽⁴⁾
1700		6.24		6.84	19.1	7.421	123.5	1.64	3.18	0	
1705		6.23		6.91	17.8	6.786	116.1	1.79	3.93	0.2	
1710		6.23		6.94	18.3	6.628	114.3	1.77	2.30	0.35	
1715		6.23		6.94	18.3	6.575	113.8	1.21	2.11	0.45	
1720		6.23		6.95	18.3	6.486	112.9	1.18	2.13	0.65	
1730		6.23		6.96	18.1	6.420	111.6	1.14	2.23	0.65	

Notes:

- The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
- The well screen volume will be based on a 5-foot screen length. $V_s = \pi (D/2)^2 (5 \times 12) (2.54)^3$
- The drawdown from the initial water level should not exceed 0.3 ft.
- Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p/V_s .

WELL PURGING FIELD INFORMATION FORM

SITE/PROJECT NAME: Delphi Harrison Thermal Systems Site

JOB# 56546-20

WELL# MW-13

WELL PURGING INFORMATION

07/26/24

PURGE DATE
(MM DD YY)

07/26/24

SAMPLE DATE
(MM DD YY)

11116

WATER VOL IN CASING
(LITRES/GALLONS)

11108

ACTUAL VOLUME PURGED
(LITRES/GALLONS)

PURGING AND SAMPLING EQUIPMENT

PURGING EQUIPMENT.....DEDICATED ☒ N

(CIRCLE ONE)

SAMPLING EQUIPMENT.....DEDICATED ☒ N

(CIRCLE ONE)

PURGING DEVICE ☒ B A - SUBMERSIBLE PUMP D - GAS LIFT PUMP G - BAILER X- PURGING OTHER (SPECIFY)

SAMPLING DEVICE ☒ B B - PERISTALTIC PUMP E - PURGE PUMP H - WATERRAID X- SAMPLING OTHER (SPECIFY)

C - SLADDER PUMP F - DIPPER BOTTLE

PURGING DEVICE ☒ E A - TEFLON D - PVC X- PURGING OTHER (SPECIFY)

SAMPLING DEVICE ☒ E B - STAINLESS STEEL E - POLYETHYLENE X- SAMPLING OTHER (SPECIFY)

C - POLYPROPYLENE

PURGING DEVICE ☒ E A - TEFLON D - POLYPROPYLENE F - SILICONE X- PURGING OTHER (SPECIFY)

SAMPLING DEVICE ☒ E B - TYGON E - POLYETHYLENE G - COMBINATION X- SAMPLING OTHER (SPECIFY)

C - ROPE X- (SPECIFY) TEFLON/POLYPROPYLENE

FILTERING DEVICES 0.45 ☐ A - IN-LINE DISPOSABLE B - PRESSURE C - VACUUM

FIELD MEASUREMENTS

WELL ELEVATION 11589.02 (m/ft)

GROUNDWATER ELEVATION 11583.91 (m/ft)

DEPTH TO WATER 115.09 (m/ft)

WELL DEPTH 115.07 (m/ft)

pH 7.2 (std) TURBIDITY 0.1 (ntu) CONDUCTIVITY 150 (um/cm) AT 25°C ORP 150 (mV) DO 1.5 (mg/L) SAMPLE TEMPERATURE 15 (°C)

FIELD COMMENTS

SAMPLE APPEARANCE Good ODOR None COLOR clear TURBIDITY None

WEATHER CONDITIONS WIND SPEED 5-10 DIRECTION SW PRECIPITATION N Y/N OUTLOOK N

SPECIFIC COMMENTS

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE CM PROTOCOLS

7/26/24

DATE

Morgan Brown

PRINT

M.B.

SIGNATURE

FMC MODIFICATIONS MUST BE ACCOMPANIED BY A REVISION REQUEST FORM APPROVED BY THE PROJECT MANAGER

$$P_{ID@TOR} = 0.0$$

PID @ Breathing space = 0.0

MONITORING WELL RECORD FOR LOW-FLOW PURGING

Project Data:

Project Name: Delphi Harrison Thermal Systems Site
Ref. No.: 56546.20 Task 4

Date: 7/29/24
Personnel: M. Brown

Monitoring Well Data:

Well No.: MW-14
Measurement Point: TOR
Constructed Well Depth (ft): 19.1
Measured Well Depth (ft): 21.38
Depth of Sediment (ft):

Screen Length (ft): 9.1 - 19.1

Depth to Pump Intake (ft)⁽¹⁾: 14

Well Diameter, D (in): 2

Well Screen Volume, V_s (mL)⁽²⁾: 2.3

Initial Depth to Water (ft): 7.33

[illegible]

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 5-foot screen length. $V_s = \pi \cdot (D/2)^2 \cdot (5 \cdot 12) \cdot (2.54)^3$
- (3) The drawdown from the initial water level should not exceed 0.3 ft.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p / V_s .

WELL PURGING FIELD INFORMATION FORM

SITE/PROJECT NAME: Delphi Harrison Thermal Systems Site

JOB# 56546-20

WELL# MW-14

WELL PURGING INFORMATION

01749124

PURGE DATE
(MM DD YY)

017202H

SAMPLE DATE
(MM DD YY)

11123

WATER VOL IN CASING
(LITRES/GALLONS)

11114

ACTUAL VOLUME PURGED
(LITRES/GALLONS)

PURGING AND SAMPLING EQUIPMENT

PURGING EQUIPMENT.....DEDICATED ☒ N

(CIRCLE ONE)

SAMPLING EQUIPMENT.....DEDICATED ☒ N

(CIRCLE ONE)

PURGING DEVICE ☒ B A - SUBMERSIBLE PUMP D - GAS LIFT PUMP C - BAILER X- _____

B - PERISTALTIC PUMP E - PURGE PUMP H - WATERRAID

PURGING OTHER (SPECIFY)

SAMPLING DEVICE ☒ B C - BLADDER PUMP F - DIPPER BOTTLE X- _____

SAMPLING OTHER (SPECIFY)

PURGING DEVICE ☒ E A - TEFLON D - PVC X- _____

B - STAINLESS STEEL E - POLYETHYLENE

PURGING OTHER (SPECIFY)

SAMPLING DEVICE ☒ E C - POLYPROPYLENE X- _____

SAMPLING OTHER (SPECIFY)

PURGING DEVICE ☒ E A - TEFLON D - POLYPROPYLENE F - SILICONE X- _____

B - TYGON E - POLYETHYLENE G - COMBINATION
C - ROPE X- _____
(SPECIFY) TEFLON/POLYPROPYLENE

PURGING OTHER (SPECIFY)

SAMPLING DEVICE ☒ E C - ROPE X- _____

SAMPLING OTHER (SPECIFY)

FILTERING DEVICES 0.45 ☐ A - IN-LINE DISPOSABLE B - PRESSURE C - VACUUM

FIELD MEASUREMENTS

WELL ELEVATION 11592.77 (m/ft)

GROUNDWATER ELEVATION 11582.44 (m/ft)

DEPTH TO WATER 11733 (m/ft)

WELL DEPTH 11213.8 (m/ft)

pH		TURBIDITY		CONDUCTIVITY		ORP		DO		SAMPLE TEMPERATURE	
(std)	(ntu)	(um/cm)	AT 25°C	(mV)		(mg/L)		(°C)			
(std)	(ntu)	(um/cm)	AT 25°C	(mV)		(mg/L)		(°C)			
(std)	(ntu)	(um/cm)	AT 25°C	(mV)		(mg/L)		(°C)			
(std)	(ntu)	(um/cm)	AT 25°C	(mV)		(mg/L)		(°C)			
(std)	(ntu)	(um/cm)	AT 25°C	(mV)		(mg/L)		(°C)			

FIELD COMMENTS

SAMPLE APPEARANCE Good ODOR clear COLOR clear TURBIDITY none

WEATHER CONDITIONS WIND SPEED 5-10 DIRECTION SW PRECIPITATION 1/4 OUTLOOK N

SPECIFIC COMMENTS _____

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE CSM PROTOCOLS

DATE 7/29/04

PRINT Norger Brown

SIGNATURE [Signature]

EMG MODIFICATIONS MUST BE ACCOMPANIED BY A REVISION REQUEST FORM APPROVED BY THE PROJECT MANAGER

PID @ Breathing space = 0.0

Project Data:

Project Name: Delphi Harrison Thermal Systems Site
Ref. No.: 56546.20 Task 4

Date: 7/26/24
Personnel: M. Brown

Monitoring Well Data:

Well No.: MW-15
Measurement Point: TOR
Constructed Well Depth (ft): 17.90
Measured Well Depth (ft): 16.92
Depth of Sediment (ft):

Screen Length (ft): 7
Depth to Pump Intake (ft)⁽¹⁾: 13
Well Diameter, D (in): 2
Well Screen Volume, V_s (inL)⁽²⁾: 146
Initial Depth to Water (ft): 7.37

[illegible]

Notes:

- (1) The pump intake will be placed at the well screen mid-point or at a minimum of 2 ft above any sediment accumulated at the well bottom.
- (2) The well screen volume will be based on a 5-foot screen length. $V_s = \pi \cdot (D/2)^2 \cdot (5 \cdot 12) \cdot (2.54)^3$
- (3) The drawdown from the initial water level should not exceed 0.3 ft.
- (4) Purging will continue until stabilization is achieved or until 20 well screen volumes have been purged (unless purge water remains visually turbid and appears to be clearing, or unless stabilization parameters are varying slightly outside of the stabilization criteria and appear to be stabilizing). No. of Well Screen Volumes Purged = V_p / V_s .

WELL PURGING FIELD INFORMATION FORM				JOB# <u>56546-20</u>
SITE/PROJECT NAME: <u>Delphi Harrison Thermal Systems Site</u>				WELL# <u>MW-15</u>
WELL PURGING INFORMATION				
<u>17126124</u> PURGE DATE (MM DD YY)	<u>17126124</u> SAMPLE DATE (MM DD YY)	<u>11116</u> WATER VOL IN CASING (LITRES/GALLONS)	<u>18</u> ACTUAL VOLUME PURGED (LITRES/GALLONS)	
PURGING AND SAMPLING EQUIPMENT				
PURGING EQUIPMENT.....DEDICATED ☒ N (CIRCLE ONE)		SAMPLING EQUIPMENT.....DEDICATED ☒ N (CIRCLE ONE)		
PURGING DEVICE	☒ B	A - SUBMERSIBLE PUMP B - PERISTALTIC PUMP	D - GAS LIFT PUMP E - PURGE PUMP	G - BAILER H - WATERRA®
SAMPLING DEVICE	☒ B	C - BLADDER PUMP	F - DIPPER BOTTLE	X- _____ PURGING OTHER (SPECIFY)
PURGING DEVICE	☒ E	A - TEFLON B - STAINLESS STEEL	D - PVC E - POLYETHYLENE	X- _____ PURGING OTHER (SPECIFY)
SAMPLING DEVICE	☒ E	C - POLYPROPYLENE	X- _____ SAMPLING OTHER (SPECIFY)	
PURGING DEVICE	☒ E	A - TEFLON B - TYGON	D - POLYPROPYLENE E - POLYETHYLENE	F - SILICONE G - COMBINATION TEFLON/POLYPROPYLENE
SAMPLING DEVICE	☒ E	C - ROPE	X- _____ (SPECIFY)	X- _____ SAMPLING OTHER (SPECIFY)
FILTERING DEVICES 0.45 ☐ A - IN-LINE DISPOSABLE B - PRESSURE C - VACUUM				
FIELD MEASUREMENTS				
WELL ELEVATION	<u>1594.04</u> (m/ft)		GROUNDWATER ELEVATION	<u>1586.67</u> (m/ft)
DEPTH TO WATER	<u>1737</u> (m/ft)		WELL DEPTH	<u>11692</u> (m/ft)
pH	TURBIDITY	CONDUCTIVITY	ORP	DO
<u>7.3</u> (std)	<u>0.5</u> (ntu)	<u>150</u> (µm/cm) AT 25°C	<u>150</u> (mV)	<u>1.5</u> (mg/L)
<u>7.3</u> (std)	<u>0.5</u> (ntu)	<u>150</u> (µm/cm) AT 25°C	<u>150</u> (mV)	<u>1.5</u> (mg/L)
<u>7.3</u> (std)	<u>0.5</u> (ntu)	<u>150</u> (µm/cm) AT 25°C	<u>150</u> (mV)	<u>1.5</u> (mg/L)
<u>7.3</u> (std)	<u>0.5</u> (ntu)	<u>150</u> (µm/cm) AT 25°C	<u>150</u> (mV)	<u>1.5</u> (mg/L)
<u>7.3</u> (std)	<u>0.5</u> (ntu)	<u>150</u> (µm/cm) AT 25°C	<u>150</u> (mV)	<u>1.5</u> (mg/L)
FIELD COMMENTS				
SAMPLE APPEARANCE	<u>Good</u>		ODOR	<u>none</u>
WEATHER CONDITIONS	WIND SPEED	<u>0-5</u>	DIRECTION	<u>SW</u>
SPECIFIC COMMENTS			PRECIPITATION Y/N	<u>N</u>
I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE CM PROTOCOLS <u>7/26/24</u> <u>Morgan Brown</u> <u>[Signature]</u> DATE PRINT SIGNATURE				

FMC MODIFICATIONS MUST BE ACCOMPANIED BY A REVISION REQUEST FORM APPROVED BY THE PROJECT MANAGER



APPENDIX B

COCs, Total VOCs and TOC DATA GRAPHS

MW-4 Groundwater Data
Delphi Harrison Thermal Systems Site
GM Components Holdings, LLC
Lockport, New York

Date	TCE	PCE	1,2-DCE	VC
4/30/1996	32	<0.5	170	40
6/20/1996	19	<0.5	120	20
10/30/1996	36	<0.5	120	14
11/21/1996	37	<0.5	120	18
8/28/1997	29	<0.5	100	14
10/10/1997	33	<0.2	110	27
12/2/1998	21	<0.2	120	13
10/7/1999	20	<0.05	110.14	14
8/9/2001	30	0.003	93.28	18
10/31/2001	22	<0.002	84.25	18
4/7/2003	39	0.08	110	26
7/20/2009	23	<0.05	41.5	6.7
4/29/2010	20	0.0012	43.2	9.6
4/22/2011	24	0.0018	50	12
4/20/2012	18	0.0014	42.16	9.1
5/1/2013	24	<0.18	45	6.6
5/13/2014	22	<0.18	22	2.9
5/8/2015	27	<0.36	30	3.8
5/5/2016	29	<0.36	23	2.9
5/2/2017	27	<0.18	22	1.8
5/8/2018	26	<0.18	20	1.4
5/16/2019	40	0.005	27	1.9
6/24/2020	36	<0.072	25	2.2
8/17/2021	36	<0.29	27	2.1
9/20/2022	35	<0.29	29	2.4
10/3/2023	30	<0.29	29	2.2
7/30/2024	25	<0.29	27	2.6

Notes:

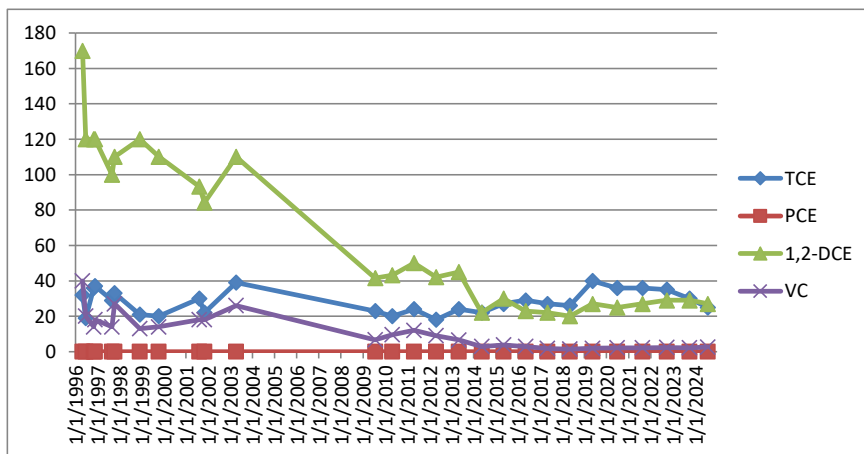
Results are provided in parts per million (ppm)

Non Detect values expressed with "<" and MDL. 1,2 DCE value includes total cis-1,2 DCE and trans 1,2 DCE.

If "<" value, the listed value is the higher of the two method detection limits.

Duplicate samples were collected from this location on 6/20/96, 10/30/96 and 12/2/98.

The higher of the two concentrations were recorded in this graph.



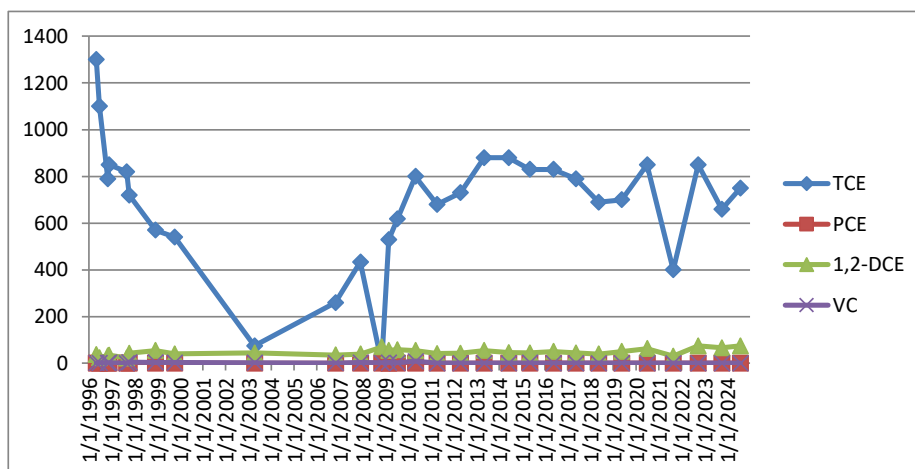
MW-7 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York				
Date	TCE	PCE	1,2-DCE	VC
4/30/1996	1300	<0.5	37	1.8
6/20/1996	1100	<0.5	24	2.4
10/30/1996	790	<0.5	32	2.3
11/21/1996	850	<0.5	35	3.1
8/28/1997	820	<0.2	22	1.1
10/10/1997	720	<0.2	43	4.8
12/3/1998	570	<0.2	55	4.2
10/7/1999	540	<0.5	41	3.5
4/7/2003	75	<0.2	45	3
10/25/2006	260	0.077	36	1.7
11/29/2007	434	0.049	40	3.2
11/5/2008	1.1	<0.2	70	2.6
2/24/2009	530	0.071	56	3.6
7/15/2009	618	0.112	58.3	2.5
4/29/2010	800	0.14	55.2	9
4/11/2011	680	<1.8	42	<4.5
4/20/2012	730	<1.8	43	<4.5
5/3/2013	880	<3.6	55	<9
5/30/2014	880	<7.2	46	<18
5/7/2015	830	0.14	45	3
5/17/2016	830	<3.6	51	<9
5/11/2017	790	<7.2	45	<18
5/10/2018	690	<7.2	40	<18
5/17/2019	700	<7.2	51	<18
6/26/2020	850	<7.2	63	<18
8/19/2021	400	<7.2	31	<18
9/23/2022	850	<7.2	74	<18
10/6/2023	660	<3.6	67	<9
7/30/2024	750	<3.6	74	<9

Notes:

Results are provided in parts per million (ppm)

Non Detect values expressed with "<" and MDL. 1,2 DCE value includes total cis-1,2 DCE and trans 1,2 DCE.

If "<" value, the listed value is the higher of the two method detection limits.



MW-10 Groundwater Data
Delphi Harrison Thermal Systems Site
GM Components Holdings, LLC
Lockport, New York

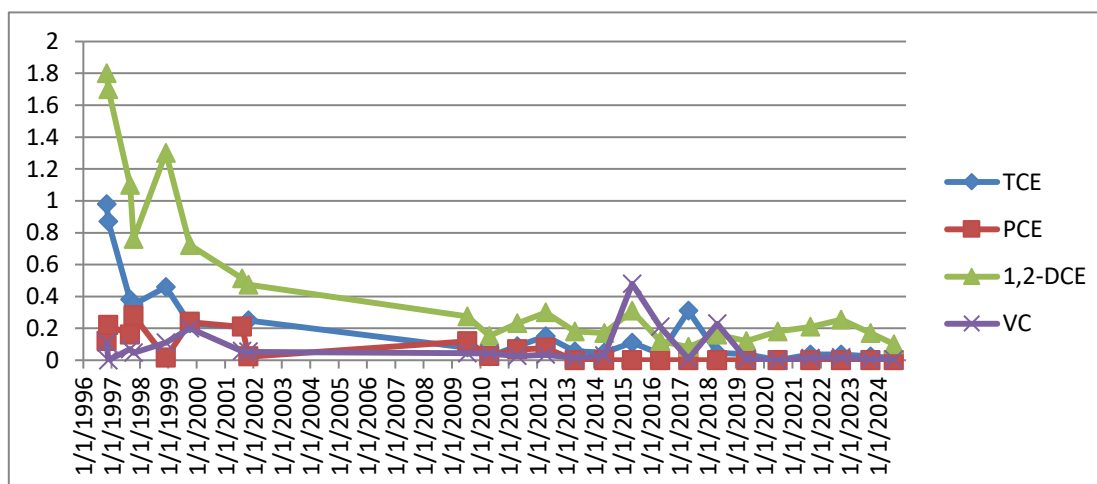
Date	TCE	PCE	1,2-DCE	VC
10/30/1996	0.98	0.12	1.8	0.11
11/21/1996	0.87	0.22	1.7	<0.1
8/28/1997	0.38	0.16	1.1	0.07
10/10/1997	0.35	0.28	0.76	0.047
12/1/1998	0.46	0.016	1.3	0.11
10/6/1999	0.23	0.24	0.722	0.2
8/9/2001	0.21	0.21	0.514	0.057
10/31/2001	0.25	0.023	0.473	0.053
7/15/2009	0.079	0.118	0.275	0.044
4/28/2010	0.024	0.026	0.153	0.042
4/21/2011	0.088	0.067	0.232	0.027
4/19/2012	0.15	0.077	0.3	0.035
5/1/2013	0.056	<0.0014	0.18	0.014
5/14/2014	0.048	<0.0014	0.17	0.029
5/8/2015	0.11	<0.0014	0.31	0.48
5/5/2016	0.041	<0.0014	0.12	0.21
5/2/2017	0.31	<0.0007	0.083	0.008
5/9/2018	0.046	<0.0007	0.16	0.23
5/16/2019	0.038	<0.00072	0.12	0.007
6/24/2020	<0.092	<0.072	0.18	<0.18
8/17/2021	0.036	<0.0014	0.21	0.014
9/20/2022	0.036	<0.0018	0.2548	0.017
10/3/2023	0.024	<0.0018	0.17	0.0065
7/30/2024	0.015	<0.0018	0.1	0.0038

Notes:

Results are provided in parts per million (ppm)

Non Detect values expressed with "<" and MDL. 1,2 DCE value includes total cis-1,2 DCE and trans 1,2 DCE.

If "<" value, the listed value is the higher of the two method detection limits.



MW-11 Groundwater Data
Delphi Harrison Thermal Systems Site
GM Components Holdings, LLC
Lockport, New York

Date	TCE	PCE	1,2-DCE	VC
8/28/1997	<0.0005	<0.0005	0.0045	0.0039
10/10/1997	<0.0005	<0.0005	0.0032	0.0012
12/1/1998	<0.0005	<0.0005	0.013	0.0046
10/5/1999	<0.0005	<0.0005	0.01	0.0019
8/8/2001	<0.002	<0.002	0.009	0.008
10/30/2001	<0.002	<0.002	0.008	0.006
1/12/2005	<0.002	<0.002	<0.002	<0.002
10/24/2006	<0.002	<0.002	<0.002	<0.002
11/28/2007	<0.002	<0.002	0.002	0.003
11/4/2008	<0.002	<0.002	0.003	0.0058
7/16/2009	<0.005	<0.005	<0.005	<0.005
4/28/2010	<0.0005	<0.0004	0.0019	0.0039
4/21/2011	<0.0005	<0.0004	<0.0008	<0.0009
4/19/2012	<0.0005	<0.0004	0.001	0.0026
5/2/2013	<0.00046	<0.00036	0.0011	0.0011
5/20/2014	<0.00046	<0.00036	<0.00081	<0.0009
5/6/2015	<0.00046	<0.00036	0.0011	0.0016
5/5/2016	<0.00046	<0.00036	<0.0009	<0.0009
4/28/2017	<0.00046	<0.00036	<0.00090	<0.0009
5/10/2018	<0.00046	<0.00036	<0.00090	<0.0009
5/17/2019	<0.0005	<0.0004	<0.0009	<0.0009
6/25/2020	0.0027	<0.00036	<0.0009	<0.0009
8/19/2021	<0.00046	<0.00036	<0.0009	<0.0009
9/21/2022	<0.00046	<0.00036	<0.00081	<0.0009
10/4/2023	<0.00046	<0.00036	<0.00081	<0.0009
7/26/2024	<0.00046	<0.00036	<0.00081	<0.0009

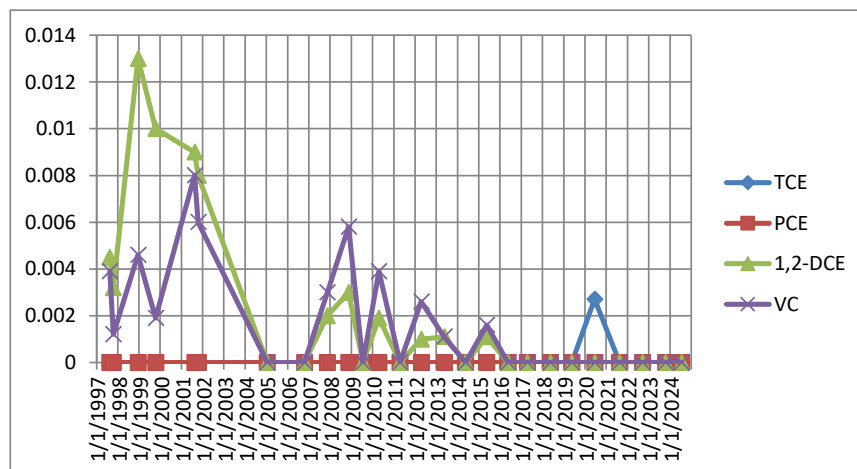
Notes:

Results are provided in parts per million (ppm)

Non Detect values expressed with "<" and MDL. 1,2 DCE value includes total cis-1,2 DCE and trans 1,2 DCE.

If "<" value, the listed value is the higher of the two method detection limits.

Duplicate samples were collected from this location on 10/10/97. The higher of the two concentrations were recorded in this graph.



MW-12 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York				
Date	TCE	PCE	1,2-DCE	VC
8/28/1997	<0.0005	<0.0005	0.13	0.19
10/10/1997	<0.0005	<0.0005	0.16	0.17
12/1/1998	<0.0005	<0.0005	0.047	0.088
10/6/1999	<0.0005	<0.0005	0.027	0.032
8/8/2001	<0.002	<0.002	0.14	0.13
10/30/2001	<0.002	<0.002	0.032	0.011
1/12/2005	<0.002	<0.002	0.026	0.033
10/25/2006	<0.002	<0.002	0.015	0.033
11/28/2007	<0.002	<0.002	0.011	0.014
11/14/2008	<0.002	<0.002	0.044	0.091
3/16/2009	0.005	0.002	0.15	0.081
7/16/2009	<0.005	<0.005	0.132	0.141
4/28/2010	0.0028	0.0011	0.272	0.12
4/20/2011	0.0021	<0.0004	0.096	0.037
4/18/2012	0.00083	<0.0004	0.15	0.12
5/3/2013	<0.002	<0.00036	0.151	0.073
5/19/2014	0.0074	0.002	0.13	0.044
5/7/2015	<0.00046	<0.00036	<0.00081	<0.0009
5/6/2016	<0.00046	<0.00036	<0.0051	0.0049
4/28/2017	<0.00046	<0.00036	0.001	<0.0009
5/9/2018	0.0007	<0.00036	0.033	0.02
5/17/2019	<0.00092	<0.00072	0.029	0.018
6/26/2020	<0.00092	<0.00072	0.015	0.019
8/20/2021	<0.00092	<0.00072	0.0056	0.0059
9/23/2022	0.0021	<0.00072	0.0032	<0.0018
10/4/2023	<0.00092	<0.00072	0.0036	0.0023
7/29/2024	<0.00092	<0.00072	0.0041	0.0025

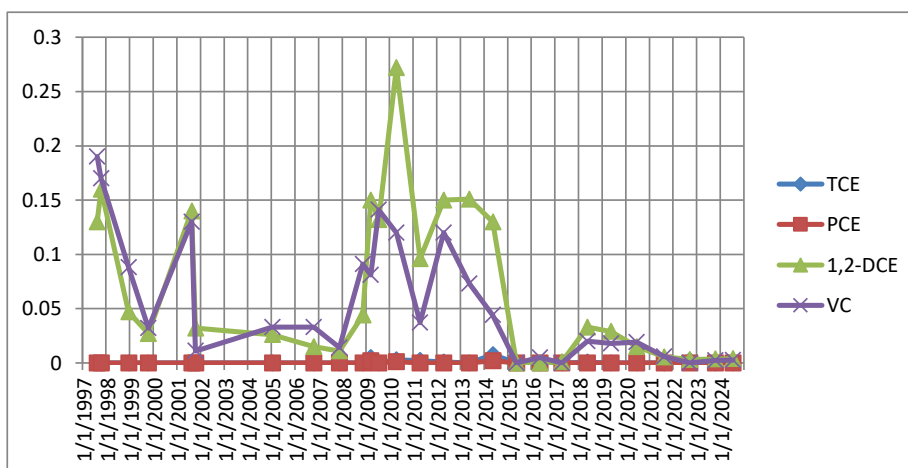
Notes:

Results are provided in parts per million (ppm)

Non Detect values expressed with "<" and MDL. 1,2 DCE value includes total cis-1,2 DCE and trans 1,2 DCE.

If "<" value, the listed value is the higher of the two method detection limits.

Duplicate samples were collected from this location on 8/28/97 and 8/8/01. The higher of the two concentrations were recorded in this graph.



MW-13 Groundwater Data
Delphi Harrison Thermal Systems Site
GM Components Holdings, LLC
Lockport, New York

Date	TCE	PCE	1,2-DCE	VC
8/8/2001	<0.002	<0.002	<0.002	<0.002
10/29/2001	<0.002	<0.002	<0.002	<0.002
1/12/2005	<0.002	<0.002	<0.002	<0.002
10/24/2006	0.002	<0.002	<0.002	<0.002
11/28/2007	<0.002	<0.002	<0.002	<0.002
11/5/2008	<0.002	<0.002	<0.002	<0.002
7/16/2009	<0.005	<0.005	<0.005	<0.005
4/28/2010	<0.0005	<0.0004	<0.0008	<0.0009
4/21/2011	<0.0005	<0.0004	<0.0008	<0.0009
4/19/2012	<0.0005	<0.0004	<0.0008	<0.0009
5/2/2013	<0.00046	<0.00036	<0.00081	<0.0009
5/2/2013	<0.00046	<0.00036	<0.00081	<0.0009
5/20/2014	<0.00046	<0.00036	<0.00081	<0.0009
5/7/2015	<0.00046	<0.00036	<0.00081	<0.0009
5/5/2016	<0.00046	<0.00036	<0.0009	<0.0009
5/3/2017	<0.00046	<0.00036	<0.0009	<0.0009
5/10/2018	<0.00046	<0.00036	<0.0009	<0.0009
5/17/2019	0.00047	<0.00036	<0.0009	<0.0009
6/25/2020	<0.00046	<0.00036	<0.0009	<0.0009
8/19/2021	<0.00046	<0.00036	<0.0009	<0.0009
9/22/2022	<0.00046	<0.00036	<0.0009	<0.0009
10/5/2023	<0.00046	<0.00036	<0.0009	<0.0009
7/26/2024	0.0015	<0.00036	<0.0009	<0.0009

Notes:

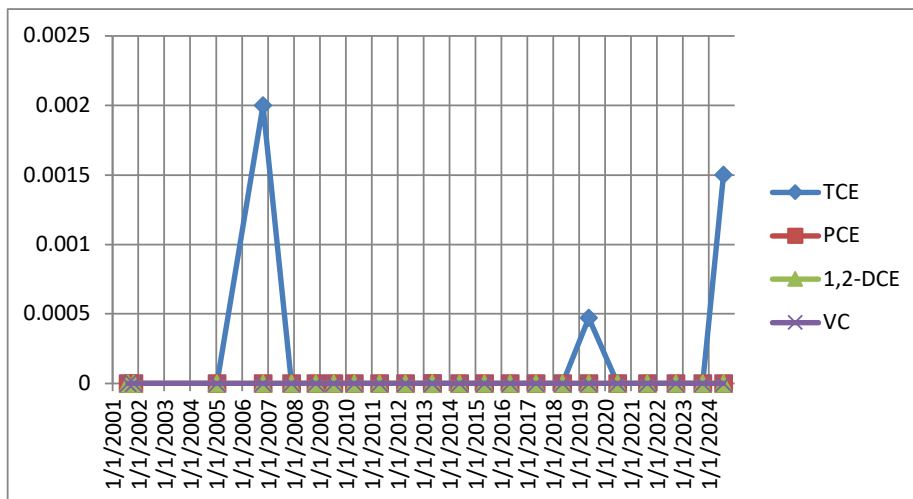
Results are provided in parts per million (ppm)

Non Detect values expressed with "<" and MDL. 1,2 DCE value includes total cis-1,2 DCE and trans 1,2 DCE.

If "<" value, the listed value is the higher of the two method detection limits.

A duplicate sample was collected from this location on 4/19/2012.

The higher of the two concentrations were recorded in this graph.



MW-14 Groundwater Data
Delphi Harrison Thermal Systems Site
GM Components Holdings, LLC
Lockport, New York

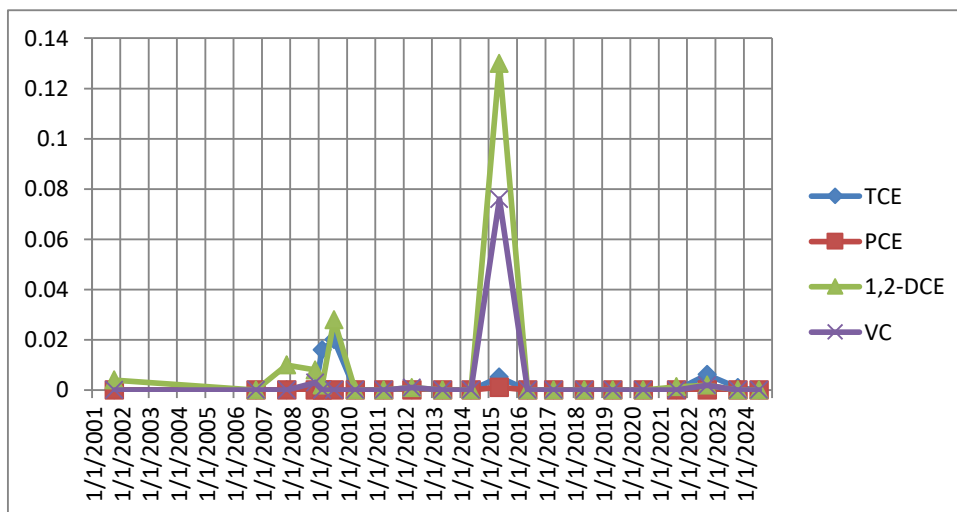
Date	TCE	PCE	1,2-DCE	VC
8/10/2001	<0.002	<0.002	0.005	<0.002
10/30/2001	<0.002	<0.002	0.004	<0.002
10/24/2006	<0.002	<0.002	<0.002	<0.002
11/29/2007	<0.002	<0.002	0.01	<0.002
11/4/2008	<0.002	<0.002	0.008	0.003
2/24/2009	0.016	<0.002	0.002	<0.002
7/19/2009	0.02	<0.005	0.028	<0.005
4/27/2010	<0.005	<0.0004	<0.0008	<0.0009
4/21/2011	<0.005	<0.0004	<0.0008	<0.0009
4/19/2012	<0.005	<0.0004	0.001	0.001
5/3/2013	<0.00046	<0.00036	<0.00081	<0.0009
5/23/2014	<0.00046	<0.00036	<0.00081	<0.0009
5/7/2015	0.0051	0.0011	0.13	0.076
5/6/2016	<0.00046	<0.00036	<0.0009	<0.0009
4/28/2017	<0.00046	<0.00036	<0.0009	<0.0009
5/11/2018	<0.00046	<0.00036	<0.0009	<0.0009
5/21/2019	<0.00046	<0.00036	<0.0009	<0.0009
6/26/2020	<0.00046	<0.00036	<0.0009	<0.0009
8/20/2021	<0.00046	<0.00036	0.0013	<0.0009
9/23/2022	0.0062	<0.00036	0.002	0.0019
10/5/2023	0.00092	<0.00072	<0.0016	<0.0018
7/29/2024	<0.00092	<0.00072	<0.0016	<0.0018

Notes:

Results are provided in parts per million (ppm)

Non Detect values expressed with "<" and MDL. 1,2 DCE value includes total cis-1,2 DCE and trans 1,2 DCE.

If "<" value, the listed value is the higher of the two method detection limits.



MW-15 Groundwater Data
Delphi Harrison Thermal Systems Site
GM Components Holdings, LLC
Lockport, New York

Date	TCE	PCE	1,2-DCE	VC
8/8/2001	<0.002	0.013	<0.002	<0.002
10/30/2001	<0.002	0.02	<0.002	<0.002
1/12/2005	<0.002	0.006	<0.002	<0.002
10/24/2006	<0.002	0.007	<0.002	<0.002
11/28/2007	<0.002	0.007	<0.002	<0.002
11/4/2008	<0.002	0.0059	<0.002	<0.002
7/16/2009	<0.005	0.0097	<0.005	<0.005
4/28/2010	0.0007	0.0077	<0.0008	<0.0009
4/21/2011	0.0007	0.0067	<0.0008	<0.0009
4/18/2012	0.0007	0.0081	<0.0008	<0.0009
5/1/2013	0.00064	0.0068	<0.00081	<0.0009
5/19/2014	0.00064	0.0062	<0.00081	<0.0009
5/6/2015	0.0005	0.0054	<0.00081	<0.0009
5/5/2016	0.00068	0.0056	<0.0009	<0.0009
4/27/2017	0.001	0.008	0.003	<0.0009
5/9/2018	0.001	0.009	0.002	<0.0009
5/16/2019	< 0.0026	0.014	0.0038	<0.0009
6/25/2020	0.002	0.0039	<0.0009	<0.0009
8/19/2021	0.0015	0.0058	<0.0009	<0.0009
9/21/2022	0.0009	0.0061	<0.0009	<0.0009
10/4/2023	0.00095	0.0068	<0.0009	<0.0009
7/26/2024	0.00056	0.0045	<0.0009	<0.0009

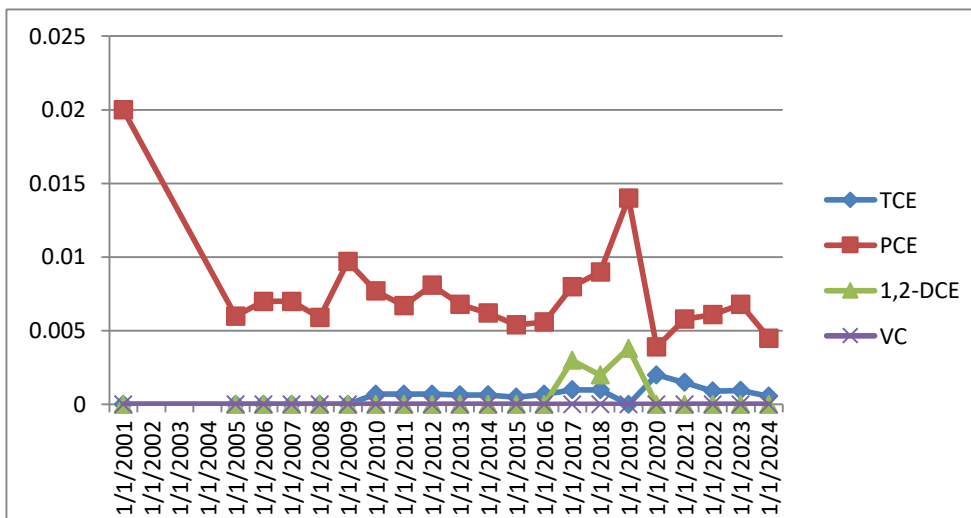
Notes:

Results are provided in parts per million (ppm)

Non Detect values expressed with "<" and MDL. 1,2 DCE value includes total cis-1,2 DCE and trans 1,2 DCE.

If "<" value, the listed value is the higher of the two method detection limits.

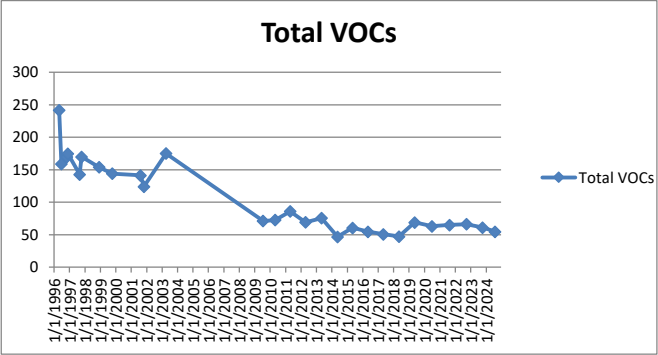
Duplicate samples were collected from this location on 10/30/01. The higher of the two concentrations were recorded in this graph.



MW-4 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	Total VOCs
4/30/1996	242
6/20/1996	159
10/30/1996	170
11/21/1996	175
8/28/1997	143
10/10/1997	170
12/2/1998	154
10/7/1999	144.14
8/9/2001	141.283
10/31/2001	124.25
4/7/2003	175.08
7/20/2009	71.2
4/29/2010	72.8012
4/22/2011	86.0018
4/20/2012	69.2614
5/1/2013	75.6
5/13/2014	46.9
5/8/2015	60.8
5/5/2016	54.9
5/2/2017	50.8
5/8/2018	47.4
5/16/2019	68.905
6/24/2020	63.2
8/17/2021	65.1
9/20/2022	66.4
10/3/2023	61.2
7/30/2024	54.6

Notes:

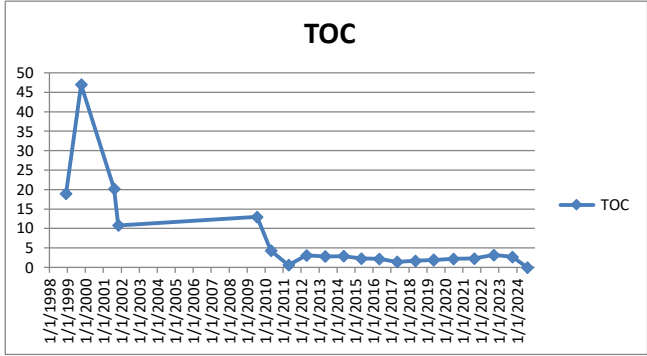
Results are provided in parts per million (ppm)



MW-4 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	TOC
12/2/1998	19
10/7/1999	47
8/9/2001	20.2
10/31/2001	10.8
7/20/2009	13
4/29/2010	4.3
4/22/2011	0.6
4/20/2012	3.1
5/1/2013	2.8
5/13/2014	2.9
5/8/2015	2.3
5/5/2016	2.2
5/2/2017	1.4
5/8/2018	1.7
5/16/2019	1.9
5/16/2019	1.9
6/24/2020	2.2
8/17/2021	2.3
9/20/2022	3.2
10/3/2023	2.7
7/30/2024	0

Notes:

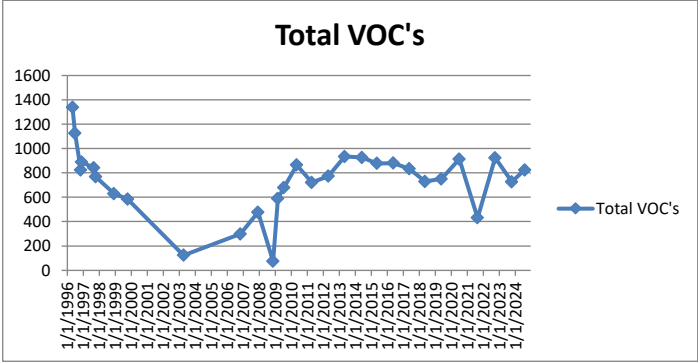
Results are provided in parts per million (ppm)



MW-7 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	Total VOC's
4/30/1996	1338.8
6/20/1996	1126.4
10/30/1996	824.3
11/21/1996	888.1
8/28/1997	843.1
10/10/1997	767.8
12/3/1998	629.2
10/7/1999	584.5
4/7/2003	123
10/25/2006	297.777
11/29/2007	477.249
11/5/2008	73.7
2/24/2009	589.671
7/15/2009	678.912
4/29/2010	864.34
4/11/2011	722
4/20/2012	773
5/3/2013	935
5/30/2014	926
5/7/2015	878.14
5/17/2016	881
5/11/2017	835
5/10/2018	730
5/17/2019	751
6/26/2020	913
8/19/2021	431
9/23/2022	924
10/6/2023	727
7/30/2024	824

Notes:

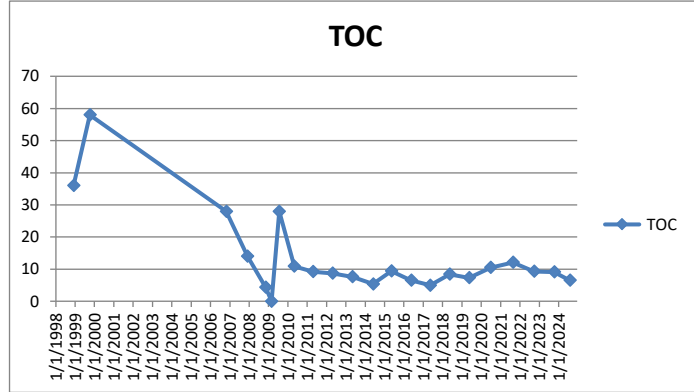
Results are provided in parts per million (ppm)



MW-7 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	TOC
12/3/1998	36
10/7/1999	58
10/25/2006	28
11/29/2007	14
11/4/2008	4.4
2/24/2009	NM
7/20/2009	28
4/29/2010	10.9
4/22/2011	9.2
4/20/2012	8.7
5/3/2013	7.6
5/30/2014	5.4
5/7/2015	9.4
5/17/2016	6.5
5/11/2017	5
5/10/2018	8.4
5/17/2019	7.3
6/26/2020	10.5
8/19/2021	12.1
9/23/2022	9.3
10/6/2023	9.1
7/30/2024	6.5

Notes:

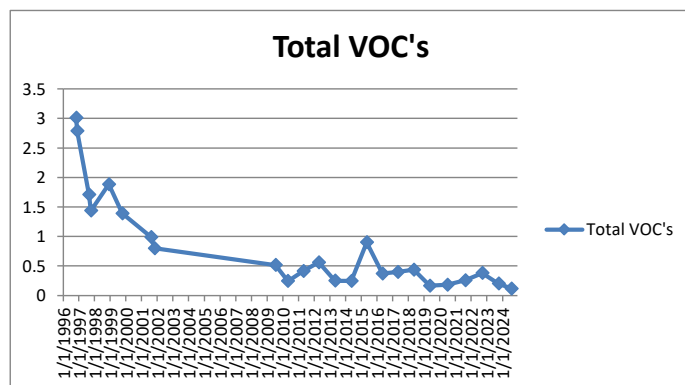
Results are provided in parts per million (ppm)



MW-10 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	Total VOC's
10/30/1996	3.01
11/21/1996	2.79
8/28/1997	1.71
10/10/1997	1.437
12/1/1998	1.886
10/6/1999	1.392
8/9/2001	0.991
10/31/2001	0.799
7/15/2009	0.516
4/28/2010	0.245
4/21/2011	0.414
4/19/2012	0.562
5/1/2013	0.25
5/14/2014	0.247
5/8/2015	0.9
5/5/2016	0.371
5/2/2017	0.401
5/9/2018	0.436
5/16/2019	0.165
6/24/2020	0.18
8/17/2021	0.26
9/20/2022	0.38
10/3/2023	0.201
7/30/2024	0.119

Notes:

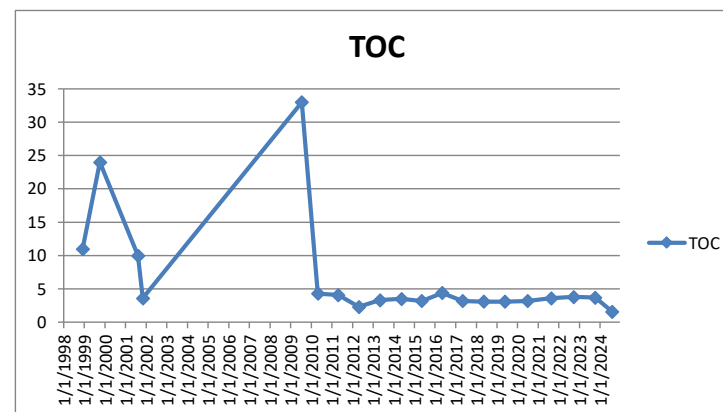
Results are provided in parts per million (ppm)



MW-10 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	TOC
12/1/1998	11
10/5/1999	24
8/9/2001	10
10/31/2001	3.6
7/15/2009	33
4/28/2010	4.3
4/21/2011	4.1
4/19/2012	2.3
5/1/2013	3.3
5/14/2014	3.5
5/8/2015	3.2
5/5/2016	4.4
5/2/2017	3.2
5/9/2018	3.1
5/16/2019	3.1
6/24/2020	3.2
8/17/2021	3.6
9/20/2022	3.8
10/4/2023	3.7
7/30/2024	1.6

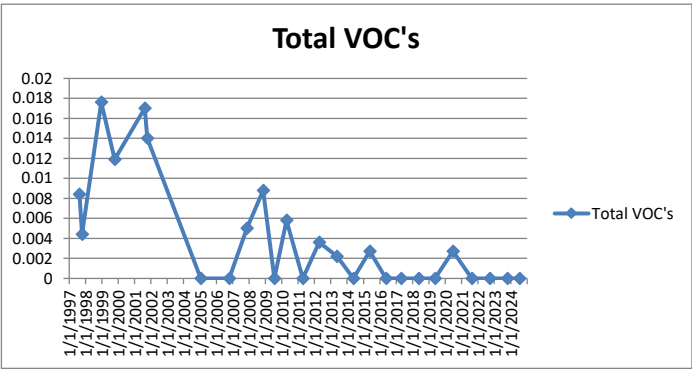
Notes:

Results are provided in parts per million (ppm)



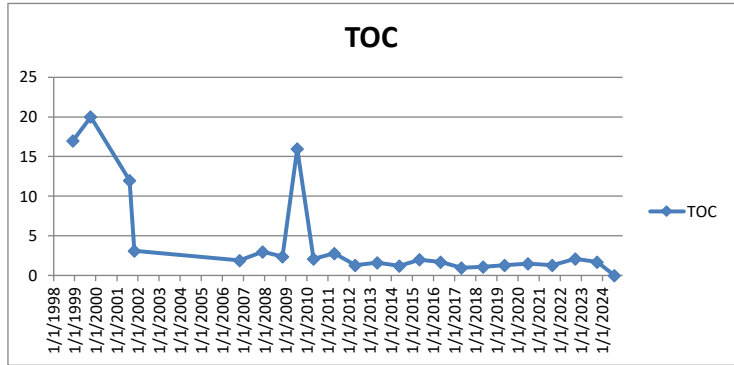
MW-11 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	Total VOC's
8/28/1997	0.0084
10/10/1997	0.0044
12/1/1998	0.0176
10/5/1999	0.0119
8/8/2001	0.017
10/30/2001	0.014
1/12/2005	0
10/24/2006	0
11/28/2007	0.005
11/4/2008	0.0088
7/16/2009	0
4/28/2010	0.0058
4/21/2011	0
4/19/2012	0.0036
5/2/2013	0.0022
5/20/2014	0
5/6/2015	0.0027
5/5/2016	0
4/28/2017	0
5/10/2018	0
5/17/2019	0
6/25/2020	0.0027
8/19/2021	0
9/21/2022	0
10/4/2023	0
7/26/2024	0

Notes:
Results are provided in parts per million (ppm)



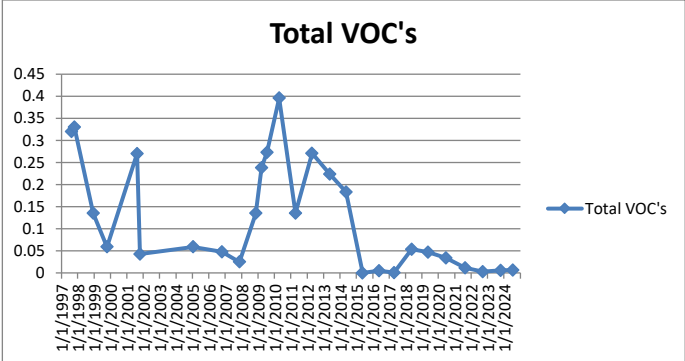
MW-11 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	TOC
12/1/1998	17
10/5/1999	20
8/8/2001	12
10/30/2001	3.1
10/24/2006	1.9
11/28/2007	3
11/4/2008	2.38
7/16/2009	16
4/28/2010	2.1
4/21/2011	2.8
4/18/2012	1.3
5/2/2013	1.6
5/20/2014	1.2
5/6/2015	2
5/5/2016	1.7
4/28/2017	0.96
5/10/2018	1.1
5/17/2019	1.3
6/25/2020	1.5
8/19/2021	1.3
9/21/2022	2.1
10/4/2023	1.7
7/26/2024	0

Notes:
Results are provided in parts per million (ppm)



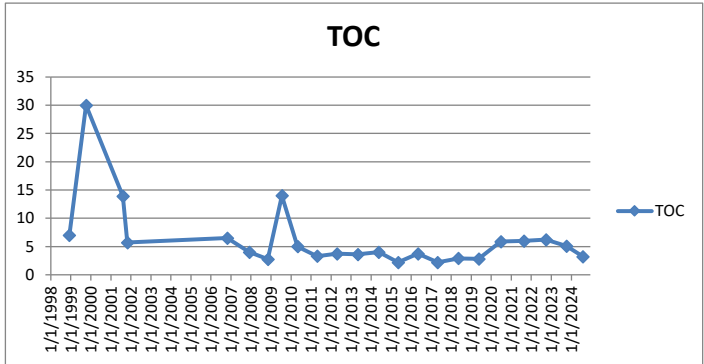
MW-12 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	Total VOC's
8/28/1997	0.32
10/10/1997	0.33
12/1/1998	0.135
10/6/1999	0.059
8/8/2001	0.27
10/30/2001	0.043
1/12/2005	0.059
10/25/2006	0.048
11/28/2007	0.025
11/14/2008	0.135
3/16/2009	0.238
7/16/2009	0.273
4/28/2010	0.3959
4/20/2011	0.1351
4/18/2012	0.27083
5/3/2013	0.224
5/19/2014	0.1834
5/7/2015	0
5/6/2016	0.0049
4/28/2017	0.001
5/9/2018	0.0537
5/17/2019	0.047
6/26/2020	0.034
8/20/2021	0.0115
9/23/2022	0.0032
10/4/2023	0.0059
7/29/2024	0.0066

Notes:
Results are provided in parts per million (ppm)



MW-12 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	TOC
12/1/1998	7
10/5/1999	30
8/8/2001	13.9
10/30/2001	5.7
10/25/2006	6.5
11/28/2007	4
11/4/2008	2.74
7/16/2009	14
4/28/2010	5
4/20/2011	3.3
4/18/2012	3.7
5/3/2013	3.6
5/19/2014	4
5/7/2015	2.2
5/6/2016	3.7
4/28/2017	2.2
5/9/2018	2.9
5/17/2019	2.8
6/26/2020	5.9
8/20/2021	6
9/23/2022	6.2
10/4/2023	5.1
7/29/2024	3.2

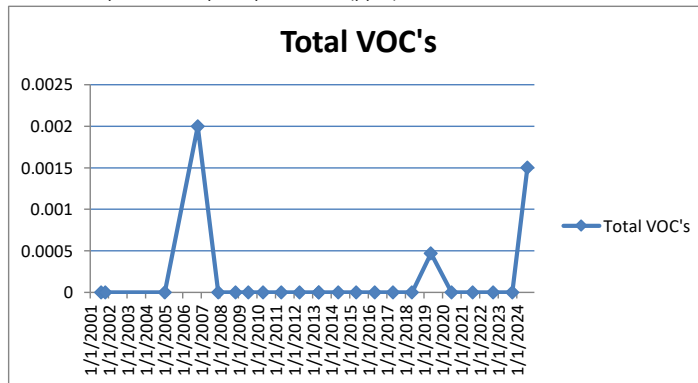
Notes:
Results are provided in parts per million (ppm)



MW-13 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	Total VOC's
8/8/2001	0
10/29/2001	0
1/12/2005	0
10/24/2006	0.002
11/28/2007	0
11/5/2008	0
7/16/2009	0
4/28/2010	0
4/21/2011	0
4/19/2012	0
5/2/2013	0
5/2/2013	0
5/20/2014	0
5/7/2015	0
5/5/2016	0
5/3/2017	0
5/10/2018	0
5/17/2019	0.00047
6/25/2020	0
8/19/2021	0
9/22/2022	0
10/5/2023	0
7/26/2024	0.0015

Notes:

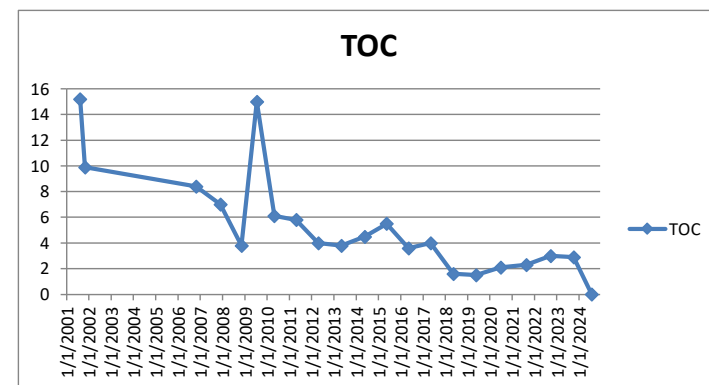
Results are provided in parts per million (ppm)



MW-13 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	TOC
8/8/2001	15.2
10/29/2001	9.9
10/24/2006	8.4
11/28/2007	7
11/5/2008	3.8
7/16/2009	15
4/28/2010	6.1
4/21/2011	5.8
4/19/2012	4
5/2/2013	3.8
5/20/2014	4.5
5/13/2015	5.5
5/5/2016	3.6
5/3/2017	4
5/10/2018	1.6
5/17/2019	1.5
6/25/2020	2.1
8/19/2021	2.3
9/22/2022	3
10/5/2023	2.9
7/26/2024	0

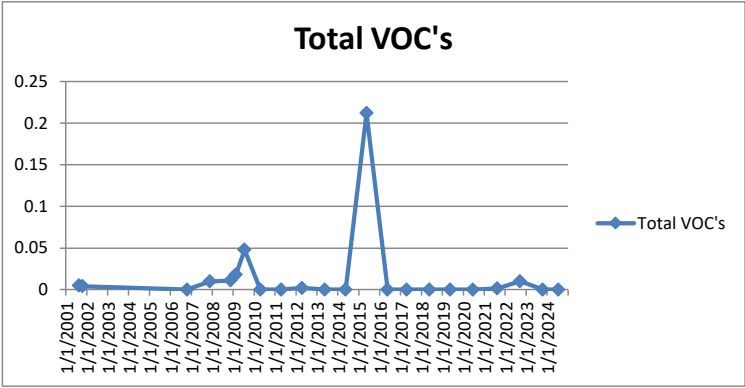
Notes:

Results are provided in parts per million (ppm)



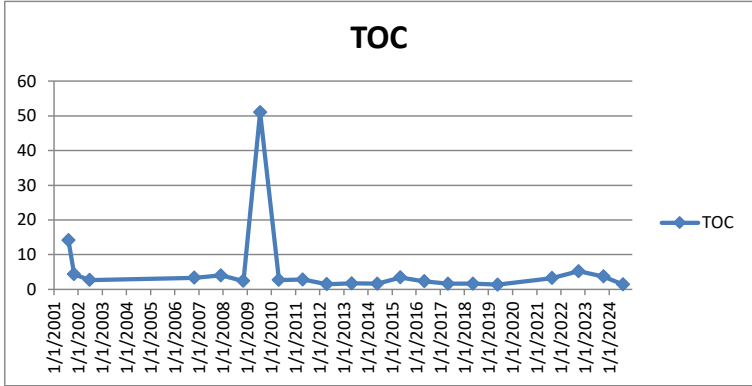
MW-14 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	Total VOC's
8/10/2001	0.005
10/30/2001	0.004
10/24/2006	0
11/29/2007	0.01
11/4/2008	0.011
2/24/2009	0.018
7/19/2009	0.048
4/27/2010	0
4/21/2011	0
4/19/2012	0.002
5/3/2013	0
5/23/2014	0
5/7/2015	0.2122
5/6/2016	0
4/28/2017	0
5/11/2018	0
5/21/2019	0
6/26/2020	0
8/20/2021	0.0013
9/23/2022	0.0101
10/5/2023	0
7/29/2024	0

Notes:
Results are provided in parts per million (ppm)



MW-14 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	TOC
8/9/2001	14.1
10/30/2001	4.3
10/24/2006	3.3
11/29/2007	4
11/4/2008	2.4
7/16/2009	51
4/27/2010	2.7
4/21/2011	2.8
4/19/2012	1.5
5/3/2013	1.7
5/23/2014	1.6
5/7/2015	3.4
5/6/2016	2.3
4/28/2017	1.6
5/11/2018	1.6
5/21/2019	1.3
6/26/2020	2.7
8/20/2021	3.2
9/23/2022	5.2
10/5/2023	3.7
7/29/2024	1.4

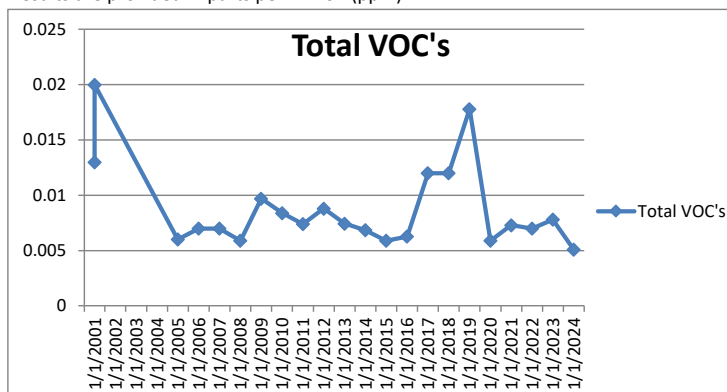
Notes:
Results are provided in parts per million (ppm)



MW-15 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	Total VOC's
8/8/2001	0.013
10/30/2001	0.02
1/12/2005	0.006
10/24/2006	0.007
11/28/2007	0.007
11/4/2008	0.0059
7/16/2009	0.0097
4/28/2010	0.0084
4/21/2011	0.0074
4/18/2012	0.0088
5/1/2013	0.00744
5/19/2014	0.00684
5/6/2015	0.0059
5/5/2016	0.00628
4/27/2017	0.012
5/9/2018	0.012
5/16/2019	0.0178
6/25/2020	0.0059
8/19/2021	0.0073
9/21/2022	0.007
10/4/2023	0.0078
7/26/2024	0.0051

Notes:

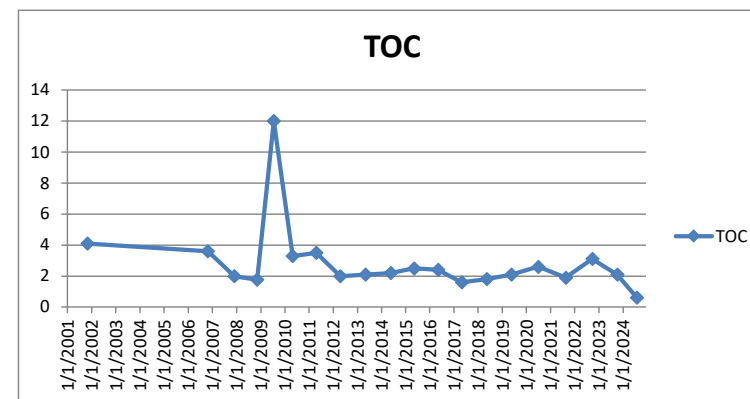
Results are provided in parts per million (ppm)



MW-15 Groundwater Data Delphi Harrison Thermal Systems Site GM Components Holdings, LLC Lockport, New York	
Date	TOC
10/30/2001	4.1
10/24/2006	3.6
11/28/2007	2
11/4/2008	1.77
7/16/2009	12
4/28/2010	3.3
4/21/2011	3.5
4/18/2012	2
5/1/2013	2.1
5/19/2014	2.2
5/6/2015	2.5
5/4/2016	2.4
4/27/2017	1.6
5/9/2018	1.8
5/16/2019	2.1
6/25/2020	2.6
8/19/2021	1.9
9/21/2022	3.1
10/4/2023	2.1
7/26/2024	0.62

Notes:

Results are provided in parts per million (ppm)





APPENDIX C

RESULTS EPA CVOC MONITORED NATURAL ATTENUATION RANKING SYSTEM

EPA cVOC MONITORED NATURAL ATTENUATION RANKING SYSTEM

2024 Strength of Evidence Scorecard
Delphi Harrison Thermal Systems Site
GM Component Holdings, LLC
Lockport, New York

Analysis	Concentration in Most Contaminated Zone	Value	EXAMPLE Lab or Field Analysis Value (mg/L)	EXAMPLE Score	MW-4	MW-7	MW-10	MW-11	MW-12	MW-13	MW-14	MW-15
DO	<0.5 mg/L	3	3.5		3	-3	3	3	3	0	3	3
DO	>5 mg/l	-3										
Nitrate	<1 mg/L	2	ND	2	2	2	2	2	2	2	2	2
Iron II	>1 mg/l	2	0.2		2	0	0	0	2	0	0	0
Sulfate	<20 mg/L	2	243		0	0	0	0	0	0	0	0
Sulfide	>1 mg/L	3	0.6		NT	NT	NT	NT	NT	NT	NT	NT
Methane	<0.5 mg/L	0	0.26	0	3	3	3	3	3	0	3	0
Methane	>0.5 mg/L	3										
ORP	<50 mV	1	-98.5	1	1	1	0	2	1	0	1	0
ORP	<-100 mV	2										
pH	5< pH <9	0	6.8	0	0	0	0	0	0	0	0	0
pH	5> pH >10	-2										
TOC	>20 mg/L	2	1.5		0	0	0	0	0	0	0	0
Temp	> 20°C	1	20.4	1	0	0	0	0	0	0	0	0
Carbon Dioxide	>2 times background (4.2)	1	6.8		1	1	1	1	1	1	1	1
Alkalinity	>2 times background (200)	1	372		1	0	1	1	1	1	1	1
Chloride	>2 times background (1440)	2	338		2	0	2	0	2	2	2	0
Hydrogen	>1 nM	3	NT		NT	NT	NT	NT	NT	NT	NT	NT
Hydrogen	<1nM	0	NT									
Volatile Fatty Acids	>0.1 mg/L	2	ND		NT	NT	NT	NT	NT	NT	NT	NT
BTEX	>0.1 mg/L	2	ND		NT	NT	NT	NT	NT	NT	NT	NT
PCE		0	ND		0	0	0	0	0	0	0	0
TCE	If Daughter Product	2	190		2	2	2	0	0	2	0	2
DCE	If Daughter Product	2	10,034	2	2	2	2	0	2	0	0	0
VC	If Daughter Product	2	380.00	2	2	0	2	0	2	0	0	0
1,1,1-TCA		0	ND		NT	NT	NT	NT	NT	NT	NT	NT
DCA	If Daughter Product	2	ND		NT	NT	NT	NT	NT	NT	NT	NT
Carbon Tetrachloride		0	ND		NT	NT	NT	NT	NT	NT	NT	NT
Chloroethane	If Daughter Product	2	ND		NT	NT	NT	NT	NT	NT	NT	NT
Ethene/Ethane	>0.01 mg/L or	2	0.0097		3	3	0	0	3	0	3	0
	>0.1 mg/L	3										
Chloroform	If Daughter Product	2	ND		NT	NT	NT	NT	NT	NT	NT	NT
Dichloromethane	If Daughter Product	2	ND		NT	NT	NT	NT	NT	NT	NT	NT
				8	24	11	18	12	22	8	16	9
Scoring Interpretation					Values Taken from EPA Document EPA/600/R-98/128, Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water , 1998, Table 2.3 and Table 2.4							
0 to 5	Inadequate evidence for anaerobic biodegradation* of chlorinated organics											
6 to 14	Limited evidence for anaerobic biodegradation* of chlorinated organics											
15 to 20	Adequate evidence for anaerobic biodegradation* of chlorinated organics											
>20	Strong evidence for anaerobic biodegradation* of chlorinated organics											
*reductive dechlorination												

Notes:
1. ND=not detected
2. NT=not tested
3. EM=Equipment malfunction



APPENDIX D

DATA VALIDATION AND ANALYTICAL LABORATORY REPORTS

ANALYTICAL REPORT

PREPARED FOR

Attn: Christopher Arcuri
GHD Services Inc.
2055 Niagara Falls Blvd., Suite 3
Niagara Falls, New York 14304

Generated 8/28/2024 4:21:10 PM Revision 1

JOB DESCRIPTION

12616852, GM Lockport 256043
Delphi Harrison

JOB NUMBER

480-222107-1

Eurofins Buffalo

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
^	Continuing Calibration Verification (CCV) is outside acceptance limits, low biased.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: GHD Services Inc.
Project: 12616852, GM Lockport 256043

Job ID: 480-222107-1

Job ID: 480-222107-1

Eurofins Buffalo

Job Narrative 480-222107-1

Comments

A revised report was provided on August 28, 2024. Select samples were moved to another SDG.

Receipt

The samples were received on 7/26/2024 3:20 PM, 7/29/2024 2:34 PM, 7/30/2024 3:50 PM and 8/1/2024 2:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 4.4° C, 6.8° C, 8.6° C and 12.6° C.

Receipt Exceptions

One or more containers for the following sample was received empty: MW-11-072624 (480-222107-4). Lab received two empty vials for VFA.

GC/MS VOA

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-12-072924 (480-222120-1) and MW-14-072924 (480-222120-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-4-073024 (480-222145-2) and MW-7-073024 (480-222145-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 480-720261 was outside criteria for the following analyte: Tetrachloroethene. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte is considered estimated. The associated sample is impacted: Trip Blank (480-222145-4).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-7-A-6-080124 (480-222217-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-720382 recovered above the upper control limit for Vinyl Chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-9-12-080124 (480-222217-2) and TRIP BLANK (480-222217-3).

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-720382 was outside the method criteria for the following analyte: Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The associated sample is impacted: MW-7-A-6-080124 (480-222217-1).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-10-073024 (480-222145-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

HPLC/IC

Method VFA-IC: The following sample(s) was diluted due to color, odor, appearance, viscosity, and conductivity. MW-15-072624 (480-222107-3), MW-11-072624 (480-222107-4) and MW-13-072624 (480-222107-5). Elevated reporting limits (RL) are provided.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-15-072624 (480-222107-3), MW-11-072624 (480-222107-4), MW-13-072624 (480-222107-5), MW-12-072924 (480-222120-1) and MW-14-072924 (480-222120-2). Elevated reporting limits (RLs) are provided.

Method VFA-IC: Spike compounds were inadvertently omitted during the extraction process for the matrix spike/matrix spike duplicate (MS/MSD); therefore, matrix spike recoveries are unavailable for analytical batch 480-720232. The associated laboratory control sample (LCS) met acceptance criteria.

Method VFA-IC: The following sample(s) was diluted due to color, odor, appearance, viscosity, and conductivity. MW-12-072924 (480-222120-1), MW-14-072924 (480-222120-2), MW-10-073024 (480-222145-1), MW-4-073024 (480-222145-2) and MW-7-073024 (480-222145-3). Elevated reporting limits (RL) are provided.

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Case Narrative

Client: GHD Services Inc.
Project: 12616852, GM Lockport 256043

Job ID: 480-222107-1

Job ID: 480-222107-1 (Continued)

Eurofins Buffalo

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-10-073024 (480-222145-1), MW-4-073024 (480-222145-2) and MW-7-073024 (480-222145-3). Elevated reporting limits (RLs) are provided.

Method 300.0: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 480-720267 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-720267 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-7-A-6-080124 (480-222217-1) and MW-9-12-080124 (480-222217-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA

Method RSK-175: The continuing calibration verification (CCV) associated with batch 480-720034 recovered above the upper control limit for Ethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MW-11-072624 (480-222107-4).

Method RSK-175: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-14-072924 (480-222120-2). Elevated reporting limits (RLs) are provided.

Method RSK-175: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-4-073024 (480-222145-2) and MW-7-073024 (480-222145-3). Elevated reporting limits (RLs) are provided.

Method RSK-175: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-7-A-6-080124 (480-222217-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

Method 353.2: The following samples were analyzed outside of analytical holding time due to lab error: MW-15-072624 (480-222107-3), MW-11-072624 (480-222107-4) and MW-13-072624 (480-222107-5).

Method SM 4500 S2 F: The method requirement for no headspace was not met. The following samples were analyzed with headspace in the sample container(s): MW-15-072624 (480-222107-3), MW-11-072624 (480-222107-4), MW-13-072624 (480-222107-5), MW-12-072924 (480-222120-1), MW-14-072924 (480-222120-2) and (480-222107-C-1).

Method 353.2: The continuing calibration verification (CCV) associated with batch 480-720581 recovered above the upper control limit for Nitrate Nitrite as N. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-720537 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method SM 4500 S2 F: The method requirement for no headspace was not met. The following samples were analyzed with headspace in the sample container(s): MW-10-073024 (480-222145-1), MW-4-073024 (480-222145-2), MW-7-073024 (480-222145-3), MW-7-A-6-080124 (480-222217-1) and MW-9-12-080124 (480-222217-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Eurofins Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-15-072624

Lab Sample ID: 480-222107-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	4.5		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	0.56	J	1.0	0.46	ug/L	1		8260C	Total/NA
Carbon dioxide	77000		10000	10000	ug/L	1		RSK-175	Total/NA
Magnesium	43.7		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.31	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	3.9		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	286		1.0	0.32	mg/L	1		6010C	Total/NA
Chloride	552		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	63.0		20.0	3.5	mg/L	10		300.0	Total/NA
Nitrate	0.15	H	0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.15	H	0.050	0.020	mg/L	1		353.2	Total/NA
Total Organic Carbon	0.62	J	1.0	0.43	mg/L	1		9060A	Total/NA
Total Alkalinity	434		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-11-072624

Lab Sample ID: 480-222107-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon dioxide	19000		10000	10000	ug/L	1		RSK-175	Total/NA
Methane	9.5		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	0.085		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	36.5		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.023	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	8.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	131		1.0	0.32	mg/L	1		6010C	Total/NA
Chloride	345		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	207		10.0	1.7	mg/L	5		300.0	Total/NA
Ammonia	0.29		0.020	0.0090	mg/L	1		350.1	Total/NA
Nitrate	0.11	H	0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.11	H	0.050	0.020	mg/L	1		353.2	Total/NA
Total Alkalinity	252		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-13-072624

Lab Sample ID: 480-222107-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.5		1.0	0.46	ug/L	1		8260C	Total/NA
Carbon dioxide	62000		10000	10000	ug/L	1		RSK-175	Total/NA
Iron	0.15		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	45.2		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.27	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	8.7		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	971		5.0	1.6	mg/L	5		6010C	Total/NA
Chloride	1730		10.0	5.6	mg/L	20		300.0	Total/NA
Sulfate	86.3		40.0	7.0	mg/L	20		300.0	Total/NA
Ammonia	0.10	F1	0.020	0.0090	mg/L	1		350.1	Total/NA
Nitrate	0.50	H	0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.50	H	0.050	0.020	mg/L	1		353.2	Total/NA
Total Alkalinity	441		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: TRIP BLANK-072524B

Lab Sample ID: 480-222107-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-12-072924

Lab Sample ID: 480-222120-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.1		2.0	1.6	ug/L	2		8260C	Total/NA
Vinyl chloride	2.5		2.0	1.8	ug/L	2		8260C	Total/NA
Carbon dioxide	56000		10000	10000	ug/L	1		RSK-175	Total/NA
Ethane	2.7	J B	7.5	1.5	ug/L	1		RSK-175	Total/NA
Ethene	2.0	J B	7.0	1.5	ug/L	1		RSK-175	Total/NA
Methane	250	B	4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	5.3	B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	46.6		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	5.2	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	4.2		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	1330		5.0	1.6	mg/L	5		6010C	Total/NA
Chloride	2270		10.0	5.6	mg/L	20		300.0	Total/NA
Sulfate	140		40.0	7.0	mg/L	20		300.0	Total/NA
Ammonia	1.5		0.020	0.0090	mg/L	1		350.1	Total/NA
Total Organic Carbon	3.2		1.0	0.43	mg/L	1		9060A	Total/NA
Total Alkalinity	359	F1	5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-14-072924

Lab Sample ID: 480-222120-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon dioxide	67000		10000	10000	ug/L	1		RSK-175	Total/NA
Ethane	3.2	J B	7.5	1.5	ug/L	1		RSK-175	Total/NA
Ethene	1.9	J B	7.0	1.5	ug/L	1		RSK-175	Total/NA
Methane - DL	330	B	22	5.5	ug/L	5.5		RSK-175	Total/NA
Iron	0.52	B	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	143		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.95	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	11.1		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	1710		5.0	1.6	mg/L	5		6010C	Total/NA
Chloride	2650		10.0	5.6	mg/L	20		300.0	Total/NA
Sulfate	78.5		40.0	7.0	mg/L	20		300.0	Total/NA
Ammonia	0.75	F1	0.020	0.0090	mg/L	1		350.1	Total/NA
Total Organic Carbon	1.4		1.0	0.43	mg/L	1		9060A	Total/NA
Total Alkalinity	408		5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: TRIP BLANK-072924

Lab Sample ID: 480-222120-3

No Detections.

Client Sample ID: MW-10-073024

Lab Sample ID: 480-222145-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	100		2.0	1.6	ug/L	2		8260C	Total/NA
Trichloroethene	15		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	3.8		2.0	1.8	ug/L	2		8260C	Total/NA
Carbon dioxide	36000		10000	10000	ug/L	1		RSK-175	Total/NA
Methane	35		4.0	1.0	ug/L	1		RSK-175	Total/NA
Iron	0.13		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	34.3		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.54	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	2.8		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	1010		5.0	1.6	mg/L	5		6010C	Total/NA
Chloride	1620		10.0	5.6	mg/L	20		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-10-073024 (Continued)

Lab Sample ID: 480-222145-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	192		40.0	7.0	mg/L	20		300.0	Total/NA
Nitrate	0.21		0.050	0.020	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.21		0.050	0.020	mg/L	1		353.2	Total/NA
Total Organic Carbon	1.6		1.0	0.43	mg/L	1		9060A	Total/NA
Total Alkalinity	250	B	5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-4-073024

Lab Sample ID: 480-222145-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	27000		800	650	ug/L	800		8260C	Total/NA
Trichloroethene	25000		800	370	ug/L	800		8260C	Total/NA
Vinyl chloride	2600		800	720	ug/L	800		8260C	Total/NA
Carbon dioxide	48000		10000	10000	ug/L	1		RSK-175	Total/NA
Ethane	73		7.5	1.5	ug/L	1		RSK-175	Total/NA
Ethene	460		7.0	1.5	ug/L	1		RSK-175	Total/NA
Methane - DL	1100		88	22	ug/L	22		RSK-175	Total/NA
Iron	1.2		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	89.8		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.58	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	19.3		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	1680		5.0	1.6	mg/L	5		6010C	Total/NA
Chloride	2860	F1	10.0	5.6	mg/L	20		300.0	Total/NA
Sulfate	380	F2 F1	40.0	7.0	mg/L	20		300.0	Total/NA
Ammonia	1.9	B	0.020	0.0090	mg/L	1		350.1	Total/NA
Total Alkalinity	207	B F1	5.0	0.79	mg/L	1		SM 2320B	Total/NA

Client Sample ID: MW-7-073024

Lab Sample ID: 480-222145-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	74000		10000	8100	ug/L	10000		8260C	Total/NA
Trichloroethene	750000		10000	4600	ug/L	10000		8260C	Total/NA
Carbon dioxide	14000		10000	10000	ug/L	1		RSK-175	Total/NA
Ethane	63		7.5	1.5	ug/L	1		RSK-175	Total/NA
Methane	160		4.0	1.0	ug/L	1		RSK-175	Total/NA
Ethene - DL	790		77	17	ug/L	11		RSK-175	Total/NA
Iron	0.043	J	0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	42.7		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.014	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	10.8		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	202		1.0	0.32	mg/L	1		6010C	Total/NA
Chloride	332		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	199		10.0	1.7	mg/L	5		300.0	Total/NA
Ammonia	0.64	B	0.020	0.0090	mg/L	1		350.1	Total/NA
Total Organic Carbon	6.5		1.0	0.43	mg/L	1		9060A	Total/NA
Total Alkalinity	188	B	5.0	0.79	mg/L	1		SM 2320B	Total/NA
Acetic acid	7.5		5.0	1.5	mg/L	5		VFA-IC	Total/NA

Client Sample ID: Trip Blank-073024

Lab Sample ID: 480-222145-4

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-15-072624

Lab Sample ID: 480-222107-3

Date Collected: 07/26/24 10:30

Matrix: Water

Date Received: 07/26/24 15:20

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/29/24 21:51	1
Tetrachloroethene	4.5		1.0	0.36	ug/L			07/29/24 21:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/29/24 21:51	1
Trichloroethene	0.56	J	1.0	0.46	ug/L			07/29/24 21:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/29/24 21:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		07/29/24 21:51	1
4-Bromofluorobenzene (Surr)	99		73 - 120		07/29/24 21:51	1
Toluene-d8 (Surr)	108		80 - 120		07/29/24 21:51	1
Dibromofluoromethane (Surr)	107		75 - 123		07/29/24 21:51	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	77000		10000	10000	ug/L			08/02/24 14:53	1
Ethane	ND		7.5	1.5	ug/L			07/29/24 14:31	1
Ethene	ND		7.0	1.5	ug/L			07/29/24 14:31	1
Methane	ND		4.0	1.0	ug/L			07/29/24 14:31	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		07/30/24 08:43	07/30/24 14:26	1
Magnesium	43.7		0.20	0.043	mg/L		07/30/24 08:43	07/30/24 14:26	1
Manganese	0.31	B	0.0030	0.00040	mg/L		07/30/24 08:43	07/30/24 14:26	1
Potassium	3.9		0.50	0.10	mg/L		07/30/24 08:43	07/30/24 14:26	1
Sodium	286		1.0	0.32	mg/L		07/30/24 08:43	07/30/24 14:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	552		5.0	2.8	mg/L			07/31/24 01:31	10
Sulfate (EPA 300.0)	63.0		20.0	3.5	mg/L			07/31/24 01:31	10
Ammonia (EPA 350.1)	ND		0.020	0.0090	mg/L			08/01/24 17:43	1
Nitrate (EPA 353.2)	0.15	H	0.050	0.020	mg/L			07/30/24 17:35	1
Nitrate Nitrite as N (EPA 353.2)	0.15	H	0.050	0.020	mg/L			07/30/24 15:51	1
Nitrite (EPA 353.2)	ND	H	0.050	0.020	mg/L			07/30/24 17:35	1
Total Organic Carbon (SW846 9060A)	0.62	J	1.0	0.43	mg/L			08/02/24 19:52	1
Total Alkalinity (SM 2320B)	434		5.0	0.79	mg/L			07/30/24 00:04	1
Sulfide (SM 4500 S2 F)	ND	F1	1.0	0.67	mg/L			08/02/24 13:47	1
Acetic acid (TestAmerica SOP VFA-IC)	ND		5.0	1.5	mg/L			07/30/24 15:25	5
Formic-acid (TestAmerica SOP VFA-IC)	ND		5.0	1.3	mg/L			07/30/24 15:25	5
Lactic acid (TestAmerica SOP VFA-IC)	ND		5.0	1.6	mg/L			07/30/24 15:25	5
n-Butyric Acid (TestAmerica SOP VFA-IC)	ND		5.0	1.3	mg/L			07/30/24 15:25	5
Propionic acid (TestAmerica SOP VFA-IC)	ND		5.0	1.8	mg/L			07/30/24 15:25	5
Pyruvic Acid (TestAmerica SOP VFA-IC)	ND		7.5	1.9	mg/L			07/30/24 15:25	5

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-11-072624

Lab Sample ID: 480-222107-4

Date Collected: 07/26/24 11:30

Matrix: Water

Date Received: 07/26/24 15:20

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/29/24 22:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/29/24 22:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/29/24 22:13	1
Trichloroethene	ND		1.0	0.46	ug/L			07/29/24 22:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/29/24 22:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		07/29/24 22:13	1
4-Bromofluorobenzene (Surr)	97		73 - 120		07/29/24 22:13	1
Toluene-d8 (Surr)	107		80 - 120		07/29/24 22:13	1
Dibromofluoromethane (Surr)	109		75 - 123		07/29/24 22:13	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	19000		10000	10000	ug/L			08/02/24 15:02	1
Ethane	ND		7.5	1.5	ug/L			07/30/24 09:19	1
Ethene	ND		7.0	1.5	ug/L			07/30/24 09:19	1
Methane	9.5		4.0	1.0	ug/L			07/30/24 09:19	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.085		0.050	0.019	mg/L		07/30/24 08:43	07/30/24 14:28	1
Magnesium	36.5		0.20	0.043	mg/L		07/30/24 08:43	07/30/24 14:28	1
Manganese	0.023	B	0.0030	0.00040	mg/L		07/30/24 08:43	07/30/24 14:28	1
Potassium	8.6		0.50	0.10	mg/L		07/30/24 08:43	07/30/24 14:28	1
Sodium	131		1.0	0.32	mg/L		07/30/24 08:43	07/30/24 14:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	345		2.5	1.4	mg/L			07/31/24 01:46	5
Sulfate (EPA 300.0)	207		10.0	1.7	mg/L			07/31/24 01:46	5
Ammonia (EPA 350.1)	0.29		0.020	0.0090	mg/L			08/01/24 17:45	1
Nitrate (EPA 353.2)	0.11	H	0.050	0.020	mg/L			07/30/24 17:36	1
Nitrate Nitrite as N (EPA 353.2)	0.11	H	0.050	0.020	mg/L			07/30/24 15:52	1
Nitrite (EPA 353.2)	ND	H	0.050	0.020	mg/L			07/30/24 17:36	1
Total Organic Carbon (SW846 9060A)	ND		1.0	0.43	mg/L			08/02/24 20:21	1
Total Alkalinity (SM 2320B)	252		5.0	0.79	mg/L			07/30/24 00:10	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/02/24 13:47	1
Acetic acid (TestAmerica SOP VFA-IC)	ND		5.0	1.5	mg/L			07/30/24 15:55	5
Formic-acid (TestAmerica SOP VFA-IC)	ND		5.0	1.3	mg/L			07/30/24 15:55	5
Lactic acid (TestAmerica SOP VFA-IC)	ND		5.0	1.6	mg/L			07/30/24 15:55	5
n-Butyric Acid (TestAmerica SOP VFA-IC)	ND		5.0	1.3	mg/L			07/30/24 15:55	5
Propionic acid (TestAmerica SOP VFA-IC)	ND		5.0	1.8	mg/L			07/30/24 15:55	5
Pyruvic Acid (TestAmerica SOP VFA-IC)	ND		7.5	1.9	mg/L			07/30/24 15:55	5

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-13-072624

Lab Sample ID: 480-222107-5

Date Collected: 07/26/24 12:45

Matrix: Water

Date Received: 07/26/24 15:20

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/29/24 22:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/29/24 22:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/29/24 22:36	1
Trichloroethene	1.5		1.0	0.46	ug/L			07/29/24 22:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/29/24 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		07/29/24 22:36	1
4-Bromofluorobenzene (Surr)	100		73 - 120		07/29/24 22:36	1
Toluene-d8 (Surr)	109		80 - 120		07/29/24 22:36	1
Dibromofluoromethane (Surr)	108		75 - 123		07/29/24 22:36	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	62000		10000	10000	ug/L			08/08/24 12:49	1
Ethane	ND		7.5	1.5	ug/L			07/29/24 15:09	1
Ethene	ND		7.0	1.5	ug/L			07/29/24 15:09	1
Methane	ND		4.0	1.0	ug/L			07/29/24 15:09	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.15		0.050	0.019	mg/L		07/30/24 08:43	07/30/24 14:30	1
Magnesium	45.2		0.20	0.043	mg/L		07/30/24 08:43	07/30/24 14:30	1
Manganese	0.27	B	0.0030	0.00040	mg/L		07/30/24 08:43	07/30/24 14:30	1
Potassium	8.7		0.50	0.10	mg/L		07/30/24 08:43	07/30/24 14:30	1
Sodium	971		5.0	1.6	mg/L		07/30/24 08:43	07/31/24 11:08	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	1730		10.0	5.6	mg/L			07/31/24 02:00	20
Sulfate (EPA 300.0)	86.3		40.0	7.0	mg/L			07/31/24 02:00	20
Ammonia (EPA 350.1)	0.10	F1	0.020	0.0090	mg/L			08/01/24 17:47	1
Nitrate (EPA 353.2)	0.50	H	0.050	0.020	mg/L			07/30/24 17:38	1
Nitrate Nitrite as N (EPA 353.2)	0.50	H	0.050	0.020	mg/L			07/30/24 15:53	1
Nitrite (EPA 353.2)	ND	H	0.050	0.020	mg/L			07/30/24 17:38	1
Total Organic Carbon (SW846 9060A)	ND		1.0	0.43	mg/L			08/02/24 20:50	1
Total Alkalinity (SM 2320B)	441		5.0	0.79	mg/L			07/30/24 00:17	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/02/24 13:47	1
Acetic acid (TestAmerica SOP VFA-IC)	ND		20.0	5.8	mg/L			07/30/24 16:24	20
Formic-acid (TestAmerica SOP VFA-IC)	ND		20.0	5.2	mg/L			07/30/24 16:24	20
Lactic acid (TestAmerica SOP VFA-IC)	ND		20.0	6.2	mg/L			07/30/24 16:24	20
n-Butyric Acid (TestAmerica SOP VFA-IC)	ND		20.0	5.2	mg/L			07/30/24 16:24	20
Propionic acid (TestAmerica SOP VFA-IC)	ND		20.0	7.0	mg/L			07/30/24 16:24	20
Pyruvic Acid (TestAmerica SOP VFA-IC)	ND		30.0	7.4	mg/L			07/30/24 16:24	20

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: TRIP BLANK-072524B

Lab Sample ID: 480-222107-6

Date Collected: 07/26/24 00:00

Matrix: Water

Date Received: 07/26/24 15:20

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		7.5	1.5	ug/L			07/29/24 15:28	1
Ethene	ND		7.0	1.5	ug/L			07/29/24 15:28	1
Methane	ND		4.0	1.0	ug/L			07/29/24 15:28	1

Client Sample ID: MW-12-072924

Lab Sample ID: 480-222120-1

Date Collected: 07/29/24 11:30

Matrix: Water

Date Received: 07/29/24 14:34

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	4.1		2.0	1.6	ug/L			07/30/24 13:38	2
Tetrachloroethene	ND		2.0	0.72	ug/L			07/30/24 13:38	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			07/30/24 13:38	2
Trichloroethene	ND		2.0	0.92	ug/L			07/30/24 13:38	2
Vinyl chloride	2.5		2.0	1.8	ug/L			07/30/24 13:38	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120					07/30/24 13:38	2
4-Bromofluorobenzene (Surr)	99		73 - 120					07/30/24 13:38	2
Toluene-d8 (Surr)	108		80 - 120					07/30/24 13:38	2
Dibromofluoromethane (Surr)	110		75 - 123					07/30/24 13:38	2

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	56000		10000	10000	ug/L			08/08/24 12:59	1
Ethane	2.7	J B	7.5	1.5	ug/L			07/30/24 10:13	1
Ethene	2.0	J B	7.0	1.5	ug/L			07/30/24 10:13	1
Methane	250	B	4.0	1.0	ug/L			07/30/24 10:13	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	5.3	B	0.050	0.019	mg/L		07/31/24 08:52	07/31/24 14:35	1
Magnesium	46.6		0.20	0.043	mg/L		07/31/24 08:52	07/31/24 14:35	1
Manganese	5.2	B	0.0030	0.00040	mg/L		07/31/24 08:52	07/31/24 14:35	1
Potassium	4.2		0.50	0.10	mg/L		07/31/24 08:52	07/31/24 14:35	1
Sodium	1330		5.0	1.6	mg/L		07/31/24 08:52	08/01/24 14:18	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	2270		10.0	5.6	mg/L			07/31/24 02:15	20
Sulfate (EPA 300.0)	140		40.0	7.0	mg/L			07/31/24 02:15	20
Ammonia (EPA 350.1)	1.5		0.020	0.0090	mg/L			08/01/24 17:52	1
Nitrate (EPA 353.2)	ND		0.050	0.020	mg/L			07/30/24 16:43	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			07/30/24 16:43	1
Nitrite (EPA 353.2)	ND		0.050	0.020	mg/L			07/30/24 16:43	1
Total Organic Carbon (SW846 9060A)	3.2		1.0	0.43	mg/L			08/02/24 21:19	1
Total Alkalinity (SM 2320B)	359	F1	5.0	0.79	mg/L			07/30/24 23:41	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/02/24 13:47	1
Acetic acid (TestAmerica SOP VFA-IC)	ND		20.0	5.8	mg/L			07/31/24 20:20	20

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-12-072924

Lab Sample ID: 480-222120-1

Date Collected: 07/29/24 11:30

Matrix: Water

Date Received: 07/29/24 14:34

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formic-acid (TestAmerica SOP VFA-IC)	ND		20.0	5.2	mg/L			07/31/24 20:20	20
Lactic acid (TestAmerica SOP VFA-IC)	ND		20.0	6.2	mg/L			07/31/24 20:20	20
n-Butyric Acid (TestAmerica SOP VFA-IC)	ND		20.0	5.2	mg/L			07/31/24 20:20	20
Propionic acid (TestAmerica SOP VFA-IC)	ND		20.0	7.0	mg/L			07/31/24 20:20	20
Pyruvic Acid (TestAmerica SOP VFA-IC)	ND		30.0	7.4	mg/L			07/31/24 20:20	20

Client Sample ID: MW-14-072924

Lab Sample ID: 480-222120-2

Date Collected: 07/29/24 13:30

Matrix: Water

Date Received: 07/29/24 14:34

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			07/30/24 14:00	2
Tetrachloroethene	ND		2.0	0.72	ug/L			07/30/24 14:00	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			07/30/24 14:00	2
Trichloroethene	ND		2.0	0.92	ug/L			07/30/24 14:00	2
Vinyl chloride	ND		2.0	1.8	ug/L			07/30/24 14:00	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		07/30/24 14:00	2
4-Bromofluorobenzene (Surr)	100		73 - 120		07/30/24 14:00	2
Toluene-d8 (Surr)	109		80 - 120		07/30/24 14:00	2
Dibromofluoromethane (Surr)	107		75 - 123		07/30/24 14:00	2

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	67000		10000	10000	ug/L			08/08/24 13:08	1
Ethane	3.2	J B	7.5	1.5	ug/L			07/30/24 10:32	1
Ethene	1.9	J B	7.0	1.5	ug/L			07/30/24 10:32	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	330	B	22	5.5	ug/L			07/30/24 11:10	5.5

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.52	B	0.050	0.019	mg/L		07/31/24 08:52	07/31/24 14:37	1
Magnesium	143		0.20	0.043	mg/L		07/31/24 08:52	07/31/24 14:37	1
Manganese	0.95	B	0.0030	0.00040	mg/L		07/31/24 08:52	07/31/24 14:37	1
Potassium	11.1		0.50	0.10	mg/L		07/31/24 08:52	07/31/24 14:37	1
Sodium	1710		5.0	1.6	mg/L		07/31/24 08:52	08/01/24 14:20	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	2650		10.0	5.6	mg/L			07/31/24 02:30	20
Sulfate (EPA 300.0)	78.5		40.0	7.0	mg/L			07/31/24 02:30	20
Ammonia (EPA 350.1)	0.75	F1	0.020	0.0090	mg/L			08/01/24 17:55	1
Nitrate (EPA 353.2)	ND		0.050	0.020	mg/L			07/30/24 16:44	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-14-072924

Lab Sample ID: 480-222120-2

Date Collected: 07/29/24 13:30

Matrix: Water

Date Received: 07/29/24 14:34

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			07/30/24 16:44	1
Nitrite (EPA 353.2)	ND		0.050	0.020	mg/L			07/30/24 16:44	1
Total Organic Carbon (SW846 9060A)	1.4		1.0	0.43	mg/L			08/02/24 21:49	1
Total Alkalinity (SM 2320B)	408		5.0	0.79	mg/L			07/31/24 00:14	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/02/24 13:47	1
Acetic acid (TestAmerica SOP VFA-IC)	ND	F1	20.0	5.8	mg/L			07/31/24 20:49	20
Formic-acid (TestAmerica SOP VFA-IC)	ND	F1	20.0	5.2	mg/L			07/31/24 20:49	20
Lactic acid (TestAmerica SOP VFA-IC)	ND	F1	20.0	6.2	mg/L			07/31/24 20:49	20
n-Butyric Acid (TestAmerica SOP VFA-IC)	ND	F1	20.0	5.2	mg/L			07/31/24 20:49	20
Propionic acid (TestAmerica SOP VFA-IC)	ND	F1	20.0	7.0	mg/L			07/31/24 20:49	20
Pyruvic Acid (TestAmerica SOP VFA-IC)	ND	F1	30.0	7.4	mg/L			07/31/24 20:49	20

Client Sample ID: TRIP BLANK-072924

Lab Sample ID: 480-222120-3

Date Collected: 07/29/24 00:00

Matrix: Water

Date Received: 07/29/24 14:34

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/30/24 14:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/30/24 14:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/30/24 14:22	1
Trichloroethene	ND		1.0	0.46	ug/L			07/30/24 14:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/30/24 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120					07/30/24 14:22	1
4-Bromofluorobenzene (Surr)	99		73 - 120					07/30/24 14:22	1
Toluene-d8 (Surr)	110		80 - 120					07/30/24 14:22	1
Dibromofluoromethane (Surr)	108		75 - 123					07/30/24 14:22	1

Client Sample ID: MW-10-073024

Lab Sample ID: 480-222145-1

Date Collected: 07/30/24 12:00

Matrix: Water

Date Received: 07/30/24 15:50

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	100		2.0	1.6	ug/L			08/01/24 17:17	2
Tetrachloroethene	ND		2.0	0.72	ug/L			08/01/24 17:17	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			08/01/24 17:17	2
Trichloroethene	15		2.0	0.92	ug/L			08/01/24 17:17	2
Vinyl chloride	3.8		2.0	1.8	ug/L			08/01/24 17:17	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120					08/01/24 17:17	2
4-Bromofluorobenzene (Surr)	90		73 - 120					08/01/24 17:17	2
Toluene-d8 (Surr)	93		80 - 120					08/01/24 17:17	2

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-10-073024

Lab Sample ID: 480-222145-1

Date Collected: 07/30/24 12:00

Matrix: Water

Date Received: 07/30/24 15:50

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	94		75 - 123		08/01/24 17:17	2

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	36000		10000	10000	ug/L			08/08/24 15:05	1
Ethane	ND		7.5	1.5	ug/L			08/01/24 12:57	1
Ethene	ND		7.0	1.5	ug/L			08/01/24 12:57	1
Methane	35		4.0	1.0	ug/L			08/01/24 12:57	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.13		0.050	0.019	mg/L		08/01/24 09:58	08/02/24 18:57	1
Magnesium	34.3		0.20	0.043	mg/L		08/01/24 09:58	08/02/24 10:53	1
Manganese	0.54	B	0.0030	0.00040	mg/L		08/01/24 09:58	08/02/24 10:53	1
Potassium	2.8		0.50	0.10	mg/L		08/01/24 09:58	08/02/24 18:57	1
Sodium	1010		5.0	1.6	mg/L		08/01/24 09:58	08/02/24 18:59	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	1620		10.0	5.6	mg/L			07/31/24 17:19	20
Sulfate (EPA 300.0)	192		40.0	7.0	mg/L			07/31/24 17:19	20
Ammonia (EPA 350.1)	ND		0.020	0.0090	mg/L			08/02/24 16:25	1
Nitrate (EPA 353.2)	0.21		0.050	0.020	mg/L			07/31/24 17:09	1
Nitrate Nitrite as N (EPA 353.2)	0.21		0.050	0.020	mg/L			07/31/24 16:18	1
Nitrite (EPA 353.2)	ND	F1	0.050	0.020	mg/L			07/31/24 17:09	1
Total Organic Carbon (SW846 9060A)	1.6		1.0	0.43	mg/L			08/03/24 14:06	1
Total Alkalinity (SM 2320B)	250	B	5.0	0.79	mg/L			08/05/24 17:46	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/06/24 13:45	1
Acetic acid (TestAmerica SOP VFA-IC)	ND		20.0	5.8	mg/L			07/31/24 18:52	20
Formic-acid (TestAmerica SOP VFA-IC)	ND		20.0	5.2	mg/L			07/31/24 18:52	20
Lactic acid (TestAmerica SOP VFA-IC)	ND		20.0	6.2	mg/L			07/31/24 18:52	20
n-Butyric Acid (TestAmerica SOP VFA-IC)	ND		20.0	5.2	mg/L			07/31/24 18:52	20
Propionic acid (TestAmerica SOP VFA-IC)	ND		20.0	7.0	mg/L			07/31/24 18:52	20
Pyruvic Acid (TestAmerica SOP VFA-IC)	ND		30.0	7.4	mg/L			07/31/24 18:52	20

Client Sample ID: MW-4-073024

Lab Sample ID: 480-222145-2

Date Collected: 07/30/24 13:00

Matrix: Water

Date Received: 07/30/24 15:50

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	27000		800	650	ug/L			07/31/24 19:16	800
Tetrachloroethene	ND		800	290	ug/L			07/31/24 19:16	800
trans-1,2-Dichloroethene	ND		800	720	ug/L			07/31/24 19:16	800
Trichloroethene	25000		800	370	ug/L			07/31/24 19:16	800
Vinyl chloride	2600		800	720	ug/L			07/31/24 19:16	800

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-4-073024

Lab Sample ID: 480-222145-2

Date Collected: 07/30/24 13:00

Matrix: Water

Date Received: 07/30/24 15:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		07/31/24 19:16	800
4-Bromofluorobenzene (Surr)	92		73 - 120		07/31/24 19:16	800
Toluene-d8 (Surr)	93		80 - 120		07/31/24 19:16	800
Dibromofluoromethane (Surr)	95		75 - 123		07/31/24 19:16	800

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	48000		10000	10000	ug/L			08/08/24 15:14	1
Ethane	73		7.5	1.5	ug/L			08/01/24 13:16	1
Ethene	460		7.0	1.5	ug/L			08/01/24 13:16	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	1100		88	22	ug/L			08/01/24 14:13	22

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.2		0.050	0.019	mg/L		08/01/24 09:58	08/02/24 19:01	1
Magnesium	89.8		0.20	0.043	mg/L		08/01/24 09:58	08/02/24 10:55	1
Manganese	0.58	B	0.0030	0.00040	mg/L		08/01/24 09:58	08/02/24 10:55	1
Potassium	19.3		0.50	0.10	mg/L		08/01/24 09:58	08/02/24 19:01	1
Sodium	1680		5.0	1.6	mg/L		08/01/24 09:58	08/02/24 19:02	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	2860	F1	10.0	5.6	mg/L			07/31/24 17:37	20
Sulfate (EPA 300.0)	380	F2 F1	40.0	7.0	mg/L			07/31/24 17:37	20
Ammonia (EPA 350.1)	1.9	B	0.020	0.0090	mg/L			08/02/24 16:26	1
Nitrate (EPA 353.2)	ND		0.050	0.020	mg/L			07/31/24 16:20	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			07/31/24 16:20	1
Nitrite (EPA 353.2)	ND		0.050	0.020	mg/L			07/31/24 16:20	1
Total Organic Carbon (SW846 9060A)	ND		1.0	0.43	mg/L			08/03/24 14:36	1
Total Alkalinity (SM 2320B)	207	B F1	5.0	0.79	mg/L			08/05/24 17:59	1
Sulfide (SM 4500 S2 F)	ND	F1	1.0	0.67	mg/L			08/06/24 13:45	1
Acetic acid (TestAmerica SOP VFA-IC)	ND		20.0	5.8	mg/L			07/31/24 19:21	20
Formic-acid (TestAmerica SOP VFA-IC)	ND		20.0	5.2	mg/L			07/31/24 19:21	20
Lactic acid (TestAmerica SOP VFA-IC)	ND		20.0	6.2	mg/L			07/31/24 19:21	20
n-Butyric Acid (TestAmerica SOP VFA-IC)	ND		20.0	5.2	mg/L			07/31/24 19:21	20
Propionic acid (TestAmerica SOP VFA-IC)	ND		20.0	7.0	mg/L			07/31/24 19:21	20
Pyruvic Acid (TestAmerica SOP VFA-IC)	ND		30.0	7.4	mg/L			07/31/24 19:21	20

Client Sample ID: MW-7-073024

Lab Sample ID: 480-222145-3

Date Collected: 07/30/24 15:00

Matrix: Water

Date Received: 07/30/24 15:50

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	74000		10000	8100	ug/L			07/31/24 19:39	10000

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-7-073024

Lab Sample ID: 480-222145-3

Date Collected: 07/30/24 15:00

Matrix: Water

Date Received: 07/30/24 15:50

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		10000	3600	ug/L			07/31/24 19:39	10000
trans-1,2-Dichloroethene	ND		10000	9000	ug/L			07/31/24 19:39	10000
Trichloroethene	750000		10000	4600	ug/L			07/31/24 19:39	10000
Vinyl chloride	ND		10000	9000	ug/L			07/31/24 19:39	10000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120					07/31/24 19:39	10000
4-Bromofluorobenzene (Surr)	91		73 - 120					07/31/24 19:39	10000
Toluene-d8 (Surr)	92		80 - 120					07/31/24 19:39	10000
Dibromofluoromethane (Surr)	94		75 - 123					07/31/24 19:39	10000

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	14000		10000	10000	ug/L			08/08/24 15:24	1
Ethane	63		7.5	1.5	ug/L			08/01/24 13:35	1
Methane	160		4.0	1.0	ug/L			08/01/24 13:35	1

Method: RSK-175 - Dissolved Gases (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethene	790		77	17	ug/L			08/01/24 14:31	11

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.043	J	0.050	0.019	mg/L		08/01/24 09:58	08/02/24 19:04	1
Magnesium	42.7		0.20	0.043	mg/L		08/01/24 09:58	08/02/24 11:02	1
Manganese	0.014	B	0.0030	0.00040	mg/L		08/01/24 09:58	08/02/24 11:02	1
Potassium	10.8		0.50	0.10	mg/L		08/01/24 09:58	08/02/24 19:04	1
Sodium	202		1.0	0.32	mg/L		08/01/24 09:58	08/02/24 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride (EPA 300.0)	332		2.5	1.4	mg/L			07/31/24 19:07	5
Sulfate (EPA 300.0)	199		10.0	1.7	mg/L			07/31/24 19:07	5
Ammonia (EPA 350.1)	0.64	B	0.020	0.0090	mg/L			08/02/24 16:28	1
Nitrate (EPA 353.2)	ND		0.050	0.020	mg/L			07/31/24 16:21	1
Nitrate Nitrite as N (EPA 353.2)	ND		0.050	0.020	mg/L			07/31/24 16:21	1
Nitrite (EPA 353.2)	ND		0.050	0.020	mg/L			07/31/24 16:21	1
Total Organic Carbon (SW846 9060A)	6.5		1.0	0.43	mg/L			08/03/24 15:05	1
Total Alkalinity (SM 2320B)	188	B	5.0	0.79	mg/L			08/05/24 18:11	1
Sulfide (SM 4500 S2 F)	ND		1.0	0.67	mg/L			08/06/24 13:45	1
Acetic acid (TestAmerica SOP VFA-IC)	7.5		5.0	1.5	mg/L			07/31/24 19:51	5
Formic-acid (TestAmerica SOP VFA-IC)	ND		5.0	1.3	mg/L			07/31/24 19:51	5
Lactic acid (TestAmerica SOP VFA-IC)	ND		5.0	1.6	mg/L			07/31/24 19:51	5
n-Butyric Acid (TestAmerica SOP VFA-IC)	ND		5.0	1.3	mg/L			07/31/24 19:51	5
Propionic acid (TestAmerica SOP VFA-IC)	ND		5.0	1.8	mg/L			07/31/24 19:51	5
Pyruvic Acid (TestAmerica SOP VFA-IC)	ND		7.5	1.9	mg/L			07/31/24 19:51	5

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: Trip Blank-073024

Lab Sample ID: 480-222145-4

Date Collected: 07/30/24 00:00

Matrix: Water

Date Received: 07/30/24 15:50

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/01/24 01:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/01/24 01:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/01/24 01:11	1
Trichloroethene	ND		1.0	0.46	ug/L			08/01/24 01:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/01/24 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		08/01/24 01:11	1
4-Bromofluorobenzene (Surr)	104		73 - 120		08/01/24 01:11	1
Toluene-d8 (Surr)	97		80 - 120		08/01/24 01:11	1
Dibromofluoromethane (Surr)	90		75 - 123		08/01/24 01:11	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-222107-3	MW-15-072624	109	99	108	107
480-222107-4	MW-11-072624	109	97	107	109
480-222107-5	MW-13-072624	110	100	109	108
480-222120-1	MW-12-072924	111	99	108	110
480-222120-2	MW-14-072924	108	100	109	107
480-222120-3	TRIP BLANK-072924	107	99	110	108
480-222145-1	MW-10-073024	99	90	93	94
480-222145-2	MW-4-073024	99	92	93	95
480-222145-3	MW-7-073024	94	91	92	94
480-222145-4	Trip Blank-073024	103	104	97	90
LCS 480-719962/6	Lab Control Sample	107	97	106	104
LCS 480-720077/6	Lab Control Sample	108	97	109	105
LCS 480-720189/7	Lab Control Sample	95	94	94	93
LCS 480-720261/6	Lab Control Sample	105	108	100	96
LCS 480-720370/7	Lab Control Sample	98	92	91	99
LCSD 480-720261/28	Lab Control Sample Dup	103	101	95	93
MB 480-719962/8	Method Blank	112	98	107	109
MB 480-720077/8	Method Blank	108	102	108	108
MB 480-720189/10	Method Blank	96	91	94	94
MB 480-720261/8	Method Blank	100	99	94	90
MB 480-720370/10	Method Blank	93	91	92	93

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-719962/8

Matrix: Water

Analysis Batch: 719962

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/29/24 14:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/29/24 14:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/29/24 14:42	1
Trichloroethene	ND		1.0	0.46	ug/L			07/29/24 14:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/29/24 14:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		07/29/24 14:42	1
4-Bromofluorobenzene (Surr)	98		73 - 120		07/29/24 14:42	1
Toluene-d8 (Surr)	107		80 - 120		07/29/24 14:42	1
Dibromofluoromethane (Surr)	109		75 - 123		07/29/24 14:42	1

Lab Sample ID: LCS 480-719962/6

Matrix: Water

Analysis Batch: 719962

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	25.0	24.1		ug/L		96	74 - 124
Tetrachloroethene	25.0	25.8		ug/L		103	74 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
Trichloroethene	25.0	24.2		ug/L		97	74 - 123
Vinyl chloride	25.0	29.0		ug/L		116	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		77 - 120
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: MB 480-720077/8

Matrix: Water

Analysis Batch: 720077

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/30/24 12:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/30/24 12:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/30/24 12:27	1
Trichloroethene	ND		1.0	0.46	ug/L			07/30/24 12:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/30/24 12:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		07/30/24 12:27	1
4-Bromofluorobenzene (Surr)	102		73 - 120		07/30/24 12:27	1
Toluene-d8 (Surr)	108		80 - 120		07/30/24 12:27	1
Dibromofluoromethane (Surr)	108		75 - 123		07/30/24 12:27	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-720077/6

Matrix: Water

Analysis Batch: 720077

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
Tetrachloroethene	25.0	26.4		ug/L		106	74 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
Trichloroethene	25.0	23.8		ug/L		95	74 - 123
Vinyl chloride	25.0	28.2		ug/L		113	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	109		80 - 120
Dibromofluoromethane (Surr)	105		75 - 123

Lab Sample ID: MB 480-720189/10

Matrix: Water

Analysis Batch: 720189

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/31/24 13:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/31/24 13:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/31/24 13:11	1
Trichloroethene	ND		1.0	0.46	ug/L			07/31/24 13:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/31/24 13:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		07/31/24 13:11	1
4-Bromofluorobenzene (Surr)	91		73 - 120		07/31/24 13:11	1
Toluene-d8 (Surr)	94		80 - 120		07/31/24 13:11	1
Dibromofluoromethane (Surr)	94		75 - 123		07/31/24 13:11	1

Lab Sample ID: LCS 480-720189/7

Matrix: Water

Analysis Batch: 720189

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	25.0	22.9		ug/L		91	74 - 124
Tetrachloroethene	25.0	22.6		ug/L		91	74 - 122
trans-1,2-Dichloroethene	25.0	23.5		ug/L		94	73 - 127
Trichloroethene	25.0	22.5		ug/L		90	74 - 123
Vinyl chloride	25.0	22.5		ug/L		90	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		77 - 120
4-Bromofluorobenzene (Surr)	94		73 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	93		75 - 123

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-720261/8

Matrix: Water

Analysis Batch: 720261

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/01/24 00:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/01/24 00:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/01/24 00:47	1
Trichloroethene	ND		1.0	0.46	ug/L			08/01/24 00:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/01/24 00:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		08/01/24 00:47	1
4-Bromofluorobenzene (Surr)	99		73 - 120		08/01/24 00:47	1
Toluene-d8 (Surr)	94		80 - 120		08/01/24 00:47	1
Dibromofluoromethane (Surr)	90		75 - 123		08/01/24 00:47	1

Lab Sample ID: LCS 480-720261/6

Matrix: Water

Analysis Batch: 720261

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122
trans-1,2-Dichloroethene	25.0	23.4		ug/L		94	73 - 127
Trichloroethene	25.0	24.0		ug/L		96	74 - 123
Vinyl chloride	25.0	27.7		ug/L		111	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	96		75 - 123

Lab Sample ID: LCSD 480-720261/28

Matrix: Water

Analysis Batch: 720261

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124	1	15
Tetrachloroethene	25.0	24.1		ug/L		96	74 - 122	5	20
trans-1,2-Dichloroethene	25.0	23.1		ug/L		92	73 - 127	1	20
Trichloroethene	25.0	23.9		ug/L		96	74 - 123	0	16
Vinyl chloride	25.0	26.2		ug/L		105	65 - 133	6	15

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	93		75 - 123

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-720370/10
Matrix: Water
Analysis Batch: 720370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/01/24 12:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/01/24 12:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/01/24 12:42	1
Trichloroethene	ND		1.0	0.46	ug/L			08/01/24 12:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/01/24 12:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		08/01/24 12:42	1
4-Bromofluorobenzene (Surr)	91		73 - 120		08/01/24 12:42	1
Toluene-d8 (Surr)	92		80 - 120		08/01/24 12:42	1
Dibromofluoromethane (Surr)	93		75 - 123		08/01/24 12:42	1

Lab Sample ID: LCS 480-720370/7
Matrix: Water
Analysis Batch: 720370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
Tetrachloroethene	25.0	22.5		ug/L		90	74 - 122
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	73 - 127
Trichloroethene	25.0	23.5		ug/L		94	74 - 123
Vinyl chloride	25.0	27.0		ug/L		108	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	91		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 200-207106/5
Matrix: Water
Analysis Batch: 207106

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		10000	10000	ug/L			08/02/24 11:34	1

Lab Sample ID: LCS 200-207106/3
Matrix: Water
Analysis Batch: 207106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon dioxide	40000	37300		ug/L		93	70 - 130

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCSD 200-207106/4
Matrix: Water
Analysis Batch: 207106

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon dioxide	40000	46200		ug/L		116	70 - 130	21	30

Lab Sample ID: MB 200-207334/5
Matrix: Water
Analysis Batch: 207334

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon dioxide	ND		10000	10000	ug/L			08/08/24 12:28	1

Lab Sample ID: LCS 200-207334/3
Matrix: Water
Analysis Batch: 207334

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon dioxide	40000	36400		ug/L		91	70 - 130

Lab Sample ID: LCSD 200-207334/4
Matrix: Water
Analysis Batch: 207334

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon dioxide	40000	44600		ug/L		112	70 - 130	20	30

Lab Sample ID: MB 480-719942/5
Matrix: Water
Analysis Batch: 719942

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		7.5	1.5	ug/L			07/29/24 11:04	1
Ethene	ND		7.0	1.5	ug/L			07/29/24 11:04	1
Methane	ND		4.0	1.0	ug/L			07/29/24 11:04	1

Lab Sample ID: LCS 480-719942/6
Matrix: Water
Analysis Batch: 719942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethane	36.5	40.8		ug/L		112	79 - 120
Ethene	34.0	38.0		ug/L		112	85 - 120
Methane	19.5	21.3		ug/L		109	85 - 120

Lab Sample ID: LCSD 480-719942/7
Matrix: Water
Analysis Batch: 719942

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethane	36.5	40.7		ug/L		111	79 - 120	0	50
Ethene	34.0	37.3		ug/L		110	85 - 120	2	50
Methane	19.5	21.3		ug/L		109	85 - 120	0	50

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: MB 480-720034/3
Matrix: Water
Analysis Batch: 720034

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		7.5	1.5	ug/L			07/30/24 08:22	1
Ethane	1.70	J	7.5	1.5	ug/L			07/30/24 08:22	1
Ethene	ND		7.0	1.5	ug/L			07/30/24 08:22	1
Ethene	1.67	J	7.0	1.5	ug/L			07/30/24 08:22	1
Methane	ND		4.0	1.0	ug/L			07/30/24 08:22	1
Methane	1.17	J	4.0	1.0	ug/L			07/30/24 08:22	1

Lab Sample ID: LCS 480-720034/4
Matrix: Water
Analysis Batch: 720034

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethane	36.5	42.0		ug/L		115	79 - 120
Ethane	36.5	39.6		ug/L		108	79 - 120
Ethene	34.0	38.5		ug/L		113	85 - 120
Ethene	34.0	36.1		ug/L		106	85 - 120
Methane	19.5	21.9		ug/L		112	85 - 120
Methane	19.5	20.6		ug/L		105	85 - 120

Lab Sample ID: LCSD 480-720034/5
Matrix: Water
Analysis Batch: 720034

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethane	36.5	42.4		ug/L		116	79 - 120	1	50
Ethane	36.5	39.6		ug/L		108	79 - 120	0	50
Ethene	34.0	39.2		ug/L		115	85 - 120	2	50
Ethene	34.0	36.6		ug/L		108	85 - 120	1	50
Methane	19.5	22.1		ug/L		113	85 - 120	1	50
Methane	19.5	20.8		ug/L		107	85 - 120	1	50

Lab Sample ID: MB 480-720420/4
Matrix: Water
Analysis Batch: 720420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	ND		7.5	1.5	ug/L			08/01/24 12:01	1
Ethene	ND		7.0	1.5	ug/L			08/01/24 12:01	1
Methane	ND		4.0	1.0	ug/L			08/01/24 12:01	1

Lab Sample ID: LCS 480-720420/5
Matrix: Water
Analysis Batch: 720420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethane	36.5	40.1		ug/L		110	79 - 120
Ethene	34.0	36.9		ug/L		108	85 - 120
Methane	19.5	21.0		ug/L		107	85 - 120

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCSD 480-720420/6
Matrix: Water
Analysis Batch: 720420

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethane	36.5	40.2		ug/L		110	79 - 120	0	50
Ethene	34.0	37.3		ug/L		110	85 - 120	1	50
Methane	19.5	21.1		ug/L		108	85 - 120	0	50

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-720007/1-A
Matrix: Water
Analysis Batch: 720134

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720007

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		07/30/24 08:43	07/30/24 13:56	1
Magnesium	ND		0.20	0.043	mg/L		07/30/24 08:43	07/30/24 13:56	1
Manganese	0.000504	J	0.0030	0.00040	mg/L		07/30/24 08:43	07/30/24 13:56	1
Potassium	ND		0.50	0.10	mg/L		07/30/24 08:43	07/30/24 13:56	1
Sodium	ND		1.0	0.32	mg/L		07/30/24 08:43	07/30/24 13:56	1

Lab Sample ID: LCS 480-720007/2-A
Matrix: Water
Analysis Batch: 720134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720007

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.10	5.44		mg/L		107	80 - 120
Magnesium	25.0	24.77		mg/L		99	80 - 120
Manganese	0.500	0.511		mg/L		102	80 - 120
Potassium	25.0	25.65		mg/L		103	80 - 120
Sodium	25.0	25.80		mg/L		103	80 - 120

Lab Sample ID: MB 480-720138/1-A
Matrix: Water
Analysis Batch: 720313

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720138

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.0295	J	0.050	0.019	mg/L		07/31/24 08:52	07/31/24 14:05	1
Magnesium	ND		0.20	0.043	mg/L		07/31/24 08:52	07/31/24 14:05	1
Manganese	0.000662	J	0.0030	0.00040	mg/L		07/31/24 08:52	07/31/24 14:05	1
Potassium	ND		0.50	0.10	mg/L		07/31/24 08:52	07/31/24 14:05	1
Sodium	ND		1.0	0.32	mg/L		07/31/24 08:52	07/31/24 14:05	1

Lab Sample ID: LCS 480-720138/2-A
Matrix: Water
Analysis Batch: 720313

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720138

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.10	5.54		mg/L		109	80 - 120
Magnesium	25.0	25.68		mg/L		103	80 - 120
Manganese	0.500	0.532		mg/L		106	80 - 120
Potassium	25.0	26.06		mg/L		104	80 - 120
Sodium	25.0	26.58		mg/L		106	80 - 120

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-720298/1-A
Matrix: Water
Analysis Batch: 720536

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720298

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	ND		0.20	0.043	mg/L		08/01/24 09:58	08/02/24 10:26	1
Manganese	0.000605	J	0.0030	0.00040	mg/L		08/01/24 09:58	08/02/24 10:26	1
Sodium	ND		1.0	0.32	mg/L		08/01/24 09:58	08/02/24 10:26	1

Lab Sample ID: MB 480-720298/1-A
Matrix: Water
Analysis Batch: 720655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 720298

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		08/01/24 09:58	08/02/24 17:58	1

Lab Sample ID: LCS 480-720298/2-A
Matrix: Water
Analysis Batch: 720536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	25.0	26.92		mg/L		108	80 - 120
Manganese	0.500	0.553		mg/L		111	80 - 120
Sodium	25.0	26.89		mg/L		108	80 - 120

Lab Sample ID: LCS 480-720298/2-A
Matrix: Water
Analysis Batch: 720655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 720298

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.10	5.16		mg/L		101	80 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-720116/28
Matrix: Water
Analysis Batch: 720116

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			07/30/24 22:04	1
Sulfate	ND		2.0	0.35	mg/L			07/30/24 22:04	1

Lab Sample ID: LCS 480-720116/29
Matrix: Water
Analysis Batch: 720116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.1	49.66		mg/L		99	90 - 110
Sulfate	50.1	49.45		mg/L		99	90 - 110

QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 480-720267/4

Matrix: Water

Analysis Batch: 720267

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			07/31/24 15:31	1
Sulfate	ND		2.0	0.35	mg/L			07/31/24 15:31	1

Lab Sample ID: LCS 480-720267/5

Matrix: Water

Analysis Batch: 720267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.1	49.52		mg/L		99	90 - 110
Sulfate	50.1	50.20		mg/L		100	90 - 110

Lab Sample ID: 480-222145-2 MS

Matrix: Water

Analysis Batch: 720267

Client Sample ID: MW-4-073024

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2860	F1	1000	3169	F1	mg/L		31	81 - 120
Sulfate	380	F2 F1	1000	767.3	F1	mg/L		39	80 - 120

Lab Sample ID: 480-222145-2 MSD

Matrix: Water

Analysis Batch: 720267

Client Sample ID: MW-4-073024

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2860	F1	1000	3648	F1	mg/L		78	81 - 120	14	15
Sulfate	380	F2 F1	1000	1335	F2	mg/L		95	80 - 120	54	15

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-720537/47

Matrix: Water

Analysis Batch: 720537

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			08/01/24 17:38	1

Lab Sample ID: MB 480-720537/62

Matrix: Water

Analysis Batch: 720537

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			08/01/24 17:55	1

Lab Sample ID: LCS 480-720537/48

Matrix: Water

Analysis Batch: 720537

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	0.997		mg/L		100	90 - 110

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 480-720537/63

Matrix: Water

Analysis Batch: 720537

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	0.990		mg/L		99	90 - 110

Lab Sample ID: 480-222107-5 MS

Matrix: Water

Analysis Batch: 720537

Client Sample ID: MW-13-072624

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	0.10	F1	4.00	0.262	F1	mg/L		4	90 - 110

Lab Sample ID: 480-222120-2 MS

Matrix: Water

Analysis Batch: 720537

Client Sample ID: MW-14-072924

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	0.75	F1	4.00	0.922	F1	mg/L		4	90 - 110

Lab Sample ID: 480-222120-2 MSD

Matrix: Water

Analysis Batch: 720537

Client Sample ID: MW-14-072924

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ammonia	0.75	F1	4.00	0.906	F1	mg/L		4	90 - 110	2	20

Lab Sample ID: MB 480-720608/25

Matrix: Water

Analysis Batch: 720608

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			08/02/24 16:03	1

Lab Sample ID: MB 480-720608/45

Matrix: Water

Analysis Batch: 720608

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.0100	J	0.020	0.0090	mg/L			08/02/24 16:20	1

Lab Sample ID: LCS 480-720608/26

Matrix: Water

Analysis Batch: 720608

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	0.988		mg/L		99	90 - 110

Lab Sample ID: LCS 480-720608/46

Matrix: Water

Analysis Batch: 720608

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia	1.00	0.983		mg/L		98	90 - 110

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 480-720165/3
Matrix: Water
Analysis Batch: 720165

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite	ND		0.050	0.020	mg/L			07/30/24 17:28	1

Lab Sample ID: LCS 480-720165/4
Matrix: Water
Analysis Batch: 720165

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite	1.50	1.51		mg/L		101	90 - 110

Lab Sample ID: MB 480-720333/3
Matrix: Water
Analysis Batch: 720333

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite	ND		0.050	0.020	mg/L			07/31/24 17:06	1

Lab Sample ID: LCS 480-720333/4
Matrix: Water
Analysis Batch: 720333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite	1.50	1.56		mg/L		104	90 - 110

Lab Sample ID: 480-222145-1 MS
Matrix: Water
Analysis Batch: 720333

Client Sample ID: MW-10-073024
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite	ND	F1	1.00	1.15	F1	mg/L		115	90 - 110

Lab Sample ID: 480-222145-1 DU
Matrix: Water
Analysis Batch: 720333

Client Sample ID: MW-10-073024
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrite	ND	F1	ND		mg/L		NC	20

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 480-720158/4
Matrix: Water
Analysis Batch: 720158

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			07/30/24 15:26	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: MB 480-720158/52

Matrix: Water

Analysis Batch: 720158

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			07/30/24 16:32	1

Lab Sample ID: LCS 480-720158/5

Matrix: Water

Analysis Batch: 720158

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.50	1.49		mg/L		99	90 - 110

Lab Sample ID: LCS 480-720158/53

Matrix: Water

Analysis Batch: 720158

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.50	1.51		mg/L		101	90 - 110

Lab Sample ID: 480-222107-5 MS

Matrix: Water

Analysis Batch: 720158

Client Sample ID: MW-13-072624

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.50	H	1.00	1.49		mg/L		99	90 - 110

Lab Sample ID: MB 480-720332/28

Matrix: Water

Analysis Batch: 720332

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			07/31/24 15:54	1

Lab Sample ID: MB 480-720332/4

Matrix: Water

Analysis Batch: 720332

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.050	0.020	mg/L			07/31/24 15:21	1

Lab Sample ID: LCS 480-720332/29

Matrix: Water

Analysis Batch: 720332

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.50	1.48		mg/L		99	90 - 110

Lab Sample ID: LCS 480-720332/5

Matrix: Water

Analysis Batch: 720332

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	1.50	1.48		mg/L		99	90 - 110

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-720644/28
Matrix: Water
Analysis Batch: 720644

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			08/02/24 23:44	1

Lab Sample ID: MB 480-720644/4
Matrix: Water
Analysis Batch: 720644

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			08/02/24 12:06	1

Lab Sample ID: MB 480-720644/52
Matrix: Water
Analysis Batch: 720644

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1.0	0.43	mg/L			08/03/24 11:14	1

Lab Sample ID: LCS 480-720644/29
Matrix: Water
Analysis Batch: 720644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	58.78		mg/L		98	90 - 110

Lab Sample ID: LCS 480-720644/5
Matrix: Water
Analysis Batch: 720644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	59.58		mg/L		99	90 - 110

Lab Sample ID: LCS 480-720644/53
Matrix: Water
Analysis Batch: 720644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	60.0	58.67		mg/L		98	90 - 110

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 480-720091/28
Matrix: Water
Analysis Batch: 720091

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity	ND		5.0	0.79	mg/L			07/29/24 17:59	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 480-720091/29
Matrix: Water
Analysis Batch: 720091

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity	100	91.20		mg/L		91	90 - 110

Lab Sample ID: MB 480-720192/24
Matrix: Water
Analysis Batch: 720192

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity	ND		5.0	0.79	mg/L			07/30/24 21:43	1

Lab Sample ID: MB 480-720192/29
Matrix: Water
Analysis Batch: 720192

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity	ND		5.0	0.79	mg/L			07/30/24 22:14	1

Lab Sample ID: MB 480-720192/5
Matrix: Water
Analysis Batch: 720192

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity	ND	^	5.0	0.79	mg/L			07/30/24 17:31	1

Lab Sample ID: LCS 480-720192/25
Matrix: Water
Analysis Batch: 720192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity	100	93.04		mg/L		93	90 - 110

Lab Sample ID: LCS 480-720192/6
Matrix: Water
Analysis Batch: 720192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity	100	91.44	^	mg/L		91	90 - 110

Lab Sample ID: 480-222120-1 MS
Matrix: Water
Analysis Batch: 720192

Client Sample ID: MW-12-072924
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity	359	F1	160	423.8	F1	mg/L		41	60 - 140

Lab Sample ID: 480-222120-1 DU
Matrix: Water
Analysis Batch: 720192

Client Sample ID: MW-12-072924
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity	359	F1	366.5		mg/L		2	20

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 480-720776/4
Matrix: Water
Analysis Batch: 720776

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity	2.00	J	5.0	0.79	mg/L			08/05/24 17:32	1

Lab Sample ID: LCS 480-720776/5
Matrix: Water
Analysis Batch: 720776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity	100	99.28		mg/L		99	90 - 110

Lab Sample ID: 480-222145-2 MS
Matrix: Water
Analysis Batch: 720776

Client Sample ID: MW-4-073024
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity	207	B F1	160	237.0	F1	mg/L		19	60 - 140

Lab Sample ID: 480-222145-1 DU
Matrix: Water
Analysis Batch: 720776

Client Sample ID: MW-10-073024
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity	250	B	285.0		mg/L		13	20

Method: SM 4500 S2 F - Sulfide, Total

Lab Sample ID: MB 480-720566/3
Matrix: Water
Analysis Batch: 720566

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			08/02/24 13:47	1

Lab Sample ID: LCS 480-720566/4
Matrix: Water
Analysis Batch: 720566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	6.60	6.80		mg/L		103	90 - 110

Lab Sample ID: 480-222107-3 MS
Matrix: Water
Analysis Batch: 720566

Client Sample ID: MW-15-072624
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	ND	F1	1.95	2.80		mg/L		144	40 - 150

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: SM 4500 S2 F - Sulfide, Total (Continued)

Lab Sample ID: MB 480-720835/3
Matrix: Water
Analysis Batch: 720835

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		1.0	0.67	mg/L			08/06/24 13:45	1

Lab Sample ID: LCS 480-720835/4
Matrix: Water
Analysis Batch: 720835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	6.60	6.40		mg/L		97	90 - 110

Lab Sample ID: 480-222145-2 MS
Matrix: Water
Analysis Batch: 720835

Client Sample ID: MW-4-073024
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	ND	F1	1.65	2.40		mg/L		145	40 - 150

Lab Sample ID: 480-222145-1 DU
Matrix: Water
Analysis Batch: 720835

Client Sample ID: MW-10-073024
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Sulfide	ND		ND		mg/L		NC	20

Method: VFA-IC - Volatile Fatty Acids, Ion Chromatography

Lab Sample ID: MB 480-719952/5
Matrix: Water
Analysis Batch: 719952

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetic acid	ND		1.0	0.29	mg/L			07/29/24 14:02	1
Formic-acid	ND		1.0	0.26	mg/L			07/29/24 14:02	1
Lactic acid	ND		1.0	0.31	mg/L			07/29/24 14:02	1
n-Butyric Acid	ND		1.0	0.26	mg/L			07/29/24 14:02	1
Propionic acid	ND		1.0	0.35	mg/L			07/29/24 14:02	1
Pyruvic Acid	ND		1.5	0.37	mg/L			07/29/24 14:02	1

Lab Sample ID: LCS 480-719952/6
Matrix: Water
Analysis Batch: 719952

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetic acid	10.0	9.49		mg/L		95	80 - 120
Formic-acid	10.0	9.30		mg/L		93	80 - 120
Lactic acid	10.0	10.35		mg/L		103	80 - 120
n-Butyric Acid	10.0	10.62		mg/L		106	80 - 120
Propionic acid	10.0	9.85		mg/L		98	80 - 120
Pyruvic Acid	10.0	10.29		mg/L		103	80 - 120

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method: VFA-IC - Volatile Fatty Acids, Ion Chromatography (Continued)

Lab Sample ID: MB 480-720232/5

Matrix: Water

Analysis Batch: 720232

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetic acid	ND		1.0	0.29	mg/L			07/31/24 13:02	1
Formic-acid	ND		1.0	0.26	mg/L			07/31/24 13:02	1
Lactic acid	ND		1.0	0.31	mg/L			07/31/24 13:02	1
n-Butyric Acid	ND		1.0	0.26	mg/L			07/31/24 13:02	1
Propionic acid	ND		1.0	0.35	mg/L			07/31/24 13:02	1
Pyruvic Acid	ND		1.5	0.37	mg/L			07/31/24 13:02	1

Lab Sample ID: LCS 480-720232/6

Matrix: Water

Analysis Batch: 720232

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetic acid	10.0	9.64		mg/L		96	80 - 120
Formic-acid	10.0	8.90		mg/L		89	80 - 120
Lactic acid	10.0	10.00		mg/L		100	80 - 120
n-Butyric Acid	10.0	10.17		mg/L		102	80 - 120
Propionic acid	10.0	9.97		mg/L		100	80 - 120
Pyruvic Acid	10.0	9.70		mg/L		97	80 - 120

Lab Sample ID: 480-222120-2 MS

Matrix: Water

Analysis Batch: 720232

Client Sample ID: MW-14-072924

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetic acid	ND	F1	200	ND	F1	mg/L		0	80 - 120
Formic-acid	ND	F1	200	ND	F1	mg/L		0	80 - 120
Lactic acid	ND	F1	200	ND	F1	mg/L		0	80 - 120
n-Butyric Acid	ND	F1	200	ND	F1	mg/L		0	80 - 120
Propionic acid	ND	F1	200	ND	F1	mg/L		0	80 - 120
Pyruvic Acid	ND	F1	200	ND	F1	mg/L		0	80 - 120

QC Association Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

GC/MS VOA

Analysis Batch: 719962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	8260C	
480-222107-4	MW-11-072624	Total/NA	Water	8260C	
480-222107-5	MW-13-072624	Total/NA	Water	8260C	
MB 480-719962/8	Method Blank	Total/NA	Water	8260C	
LCS 480-719962/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 720077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222120-1	MW-12-072924	Total/NA	Water	8260C	
480-222120-2	MW-14-072924	Total/NA	Water	8260C	
480-222120-3	TRIP BLANK-072924	Total/NA	Water	8260C	
MB 480-720077/8	Method Blank	Total/NA	Water	8260C	
LCS 480-720077/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 720189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-2	MW-4-073024	Total/NA	Water	8260C	
480-222145-3	MW-7-073024	Total/NA	Water	8260C	
MB 480-720189/10	Method Blank	Total/NA	Water	8260C	
LCS 480-720189/7	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 720261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-4	Trip Blank-073024	Total/NA	Water	8260C	
MB 480-720261/8	Method Blank	Total/NA	Water	8260C	
LCS 480-720261/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-720261/28	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 720370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-1	MW-10-073024	Total/NA	Water	8260C	
MB 480-720370/10	Method Blank	Total/NA	Water	8260C	
LCS 480-720370/7	Lab Control Sample	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 207106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	RSK-175	
480-222107-4	MW-11-072624	Total/NA	Water	RSK-175	
MB 200-207106/5	Method Blank	Total/NA	Water	RSK-175	
LCS 200-207106/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 200-207106/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 207334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-5	MW-13-072624	Total/NA	Water	RSK-175	
480-222120-1	MW-12-072924	Total/NA	Water	RSK-175	
480-222120-2	MW-14-072924	Total/NA	Water	RSK-175	
480-222145-1	MW-10-073024	Total/NA	Water	RSK-175	
480-222145-2	MW-4-073024	Total/NA	Water	RSK-175	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

GC VOA (Continued)

Analysis Batch: 207334 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-3	MW-7-073024	Total/NA	Water	RSK-175	
MB 200-207334/5	Method Blank	Total/NA	Water	RSK-175	
LCS 200-207334/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 200-207334/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 719942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	RSK-175	
480-222107-5	MW-13-072624	Total/NA	Water	RSK-175	
480-222107-6	TRIP BLANK-072524B	Total/NA	Water	RSK-175	
MB 480-719942/5	Method Blank	Total/NA	Water	RSK-175	
LCS 480-719942/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-719942/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 720034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-4	MW-11-072624	Total/NA	Water	RSK-175	
480-222120-1	MW-12-072924	Total/NA	Water	RSK-175	
480-222120-2	MW-14-072924	Total/NA	Water	RSK-175	
480-222120-2 - DL	MW-14-072924	Total/NA	Water	RSK-175	
MB 480-720034/3	Method Blank	Total/NA	Water	RSK-175	
LCS 480-720034/4	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-720034/5	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 720420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-1	MW-10-073024	Total/NA	Water	RSK-175	
480-222145-2	MW-4-073024	Total/NA	Water	RSK-175	
480-222145-2 - DL	MW-4-073024	Total/NA	Water	RSK-175	
480-222145-3	MW-7-073024	Total/NA	Water	RSK-175	
480-222145-3 - DL	MW-7-073024	Total/NA	Water	RSK-175	
MB 480-720420/4	Method Blank	Total/NA	Water	RSK-175	
LCS 480-720420/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 480-720420/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Metals

Prep Batch: 720007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	3005A	
480-222107-4	MW-11-072624	Total/NA	Water	3005A	
480-222107-5	MW-13-072624	Total/NA	Water	3005A	
MB 480-720007/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-720007/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 720134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	6010C	720007
480-222107-4	MW-11-072624	Total/NA	Water	6010C	720007
480-222107-5	MW-13-072624	Total/NA	Water	6010C	720007
MB 480-720007/1-A	Method Blank	Total/NA	Water	6010C	720007

Eurofins Buffalo

QC Association Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Metals (Continued)

Analysis Batch: 720134 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-720007/2-A	Lab Control Sample	Total/NA	Water	6010C	720007

Prep Batch: 720138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222120-1	MW-12-072924	Total/NA	Water	3005A	
480-222120-2	MW-14-072924	Total/NA	Water	3005A	
MB 480-720138/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-720138/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 720254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-5	MW-13-072624	Total/NA	Water	6010C	720007

Prep Batch: 720298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-1	MW-10-073024	Total/NA	Water	3005A	
480-222145-2	MW-4-073024	Total/NA	Water	3005A	
480-222145-3	MW-7-073024	Total/NA	Water	3005A	
MB 480-720298/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-720298/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 720313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222120-1	MW-12-072924	Total/NA	Water	6010C	720138
480-222120-2	MW-14-072924	Total/NA	Water	6010C	720138
MB 480-720138/1-A	Method Blank	Total/NA	Water	6010C	720138
LCS 480-720138/2-A	Lab Control Sample	Total/NA	Water	6010C	720138

Analysis Batch: 720456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222120-1	MW-12-072924	Total/NA	Water	6010C	720138
480-222120-2	MW-14-072924	Total/NA	Water	6010C	720138

Analysis Batch: 720536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-1	MW-10-073024	Total/NA	Water	6010C	720298
480-222145-2	MW-4-073024	Total/NA	Water	6010C	720298
480-222145-3	MW-7-073024	Total/NA	Water	6010C	720298
MB 480-720298/1-A	Method Blank	Total/NA	Water	6010C	720298
LCS 480-720298/2-A	Lab Control Sample	Total/NA	Water	6010C	720298

Analysis Batch: 720655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-1	MW-10-073024	Total/NA	Water	6010C	720298
480-222145-1	MW-10-073024	Total/NA	Water	6010C	720298
480-222145-2	MW-4-073024	Total/NA	Water	6010C	720298
480-222145-2	MW-4-073024	Total/NA	Water	6010C	720298
480-222145-3	MW-7-073024	Total/NA	Water	6010C	720298
MB 480-720298/1-A	Method Blank	Total/NA	Water	6010C	720298
LCS 480-720298/2-A	Lab Control Sample	Total/NA	Water	6010C	720298

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QC Association Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

General Chemistry

Analysis Batch: 719952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	VFA-IC	
480-222107-4	MW-11-072624	Total/NA	Water	VFA-IC	
480-222107-5	MW-13-072624	Total/NA	Water	VFA-IC	
MB 480-719952/5	Method Blank	Total/NA	Water	VFA-IC	
LCS 480-719952/6	Lab Control Sample	Total/NA	Water	VFA-IC	

Analysis Batch: 720091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	SM 2320B	
480-222107-4	MW-11-072624	Total/NA	Water	SM 2320B	
480-222107-5	MW-13-072624	Total/NA	Water	SM 2320B	
MB 480-720091/28	Method Blank	Total/NA	Water	SM 2320B	
LCS 480-720091/29	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 720116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	300.0	
480-222107-4	MW-11-072624	Total/NA	Water	300.0	
480-222107-5	MW-13-072624	Total/NA	Water	300.0	
480-222120-1	MW-12-072924	Total/NA	Water	300.0	
480-222120-2	MW-14-072924	Total/NA	Water	300.0	
MB 480-720116/28	Method Blank	Total/NA	Water	300.0	
LCS 480-720116/29	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 720158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	353.2	
480-222107-4	MW-11-072624	Total/NA	Water	353.2	
480-222107-5	MW-13-072624	Total/NA	Water	353.2	
480-222120-1	MW-12-072924	Total/NA	Water	353.2	
480-222120-2	MW-14-072924	Total/NA	Water	353.2	
MB 480-720158/4	Method Blank	Total/NA	Water	353.2	
MB 480-720158/52	Method Blank	Total/NA	Water	353.2	
LCS 480-720158/5	Lab Control Sample	Total/NA	Water	353.2	
LCS 480-720158/53	Lab Control Sample	Total/NA	Water	353.2	
480-222107-5 MS	MW-13-072624	Total/NA	Water	353.2	

Analysis Batch: 720163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	353.2	
480-222107-4	MW-11-072624	Total/NA	Water	353.2	
480-222107-5	MW-13-072624	Total/NA	Water	353.2	
480-222120-1	MW-12-072924	Total/NA	Water	353.2	
480-222120-2	MW-14-072924	Total/NA	Water	353.2	

Analysis Batch: 720164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222120-1	MW-12-072924	Total/NA	Water	353.2	
480-222120-2	MW-14-072924	Total/NA	Water	353.2	

Eurofins Buffalo

QC Association Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

General Chemistry

Analysis Batch: 720165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	353.2	
480-222107-4	MW-11-072624	Total/NA	Water	353.2	
480-222107-5	MW-13-072624	Total/NA	Water	353.2	
MB 480-720165/3	Method Blank	Total/NA	Water	353.2	
LCS 480-720165/4	Lab Control Sample	Total/NA	Water	353.2	

Analysis Batch: 720192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222120-1	MW-12-072924	Total/NA	Water	SM 2320B	
480-222120-2	MW-14-072924	Total/NA	Water	SM 2320B	
MB 480-720192/24	Method Blank	Total/NA	Water	SM 2320B	
MB 480-720192/29	Method Blank	Total/NA	Water	SM 2320B	
MB 480-720192/5	Method Blank	Total/NA	Water	SM 2320B	
LCS 480-720192/25	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 480-720192/6	Lab Control Sample	Total/NA	Water	SM 2320B	
480-222120-1 MS	MW-12-072924	Total/NA	Water	SM 2320B	
480-222120-1 DU	MW-12-072924	Total/NA	Water	SM 2320B	

Analysis Batch: 720232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222120-1	MW-12-072924	Total/NA	Water	VFA-IC	
480-222120-2	MW-14-072924	Total/NA	Water	VFA-IC	
480-222145-1	MW-10-073024	Total/NA	Water	VFA-IC	
480-222145-2	MW-4-073024	Total/NA	Water	VFA-IC	
480-222145-3	MW-7-073024	Total/NA	Water	VFA-IC	
MB 480-720232/5	Method Blank	Total/NA	Water	VFA-IC	
LCS 480-720232/6	Lab Control Sample	Total/NA	Water	VFA-IC	
480-222120-2 MS	MW-14-072924	Total/NA	Water	VFA-IC	

Analysis Batch: 720267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-1	MW-10-073024	Total/NA	Water	300.0	
480-222145-2	MW-4-073024	Total/NA	Water	300.0	
480-222145-3	MW-7-073024	Total/NA	Water	300.0	
MB 480-720267/4	Method Blank	Total/NA	Water	300.0	
LCS 480-720267/5	Lab Control Sample	Total/NA	Water	300.0	
480-222145-2 MS	MW-4-073024	Total/NA	Water	300.0	
480-222145-2 MSD	MW-4-073024	Total/NA	Water	300.0	

Analysis Batch: 720332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-1	MW-10-073024	Total/NA	Water	353.2	
480-222145-2	MW-4-073024	Total/NA	Water	353.2	
480-222145-3	MW-7-073024	Total/NA	Water	353.2	
MB 480-720332/28	Method Blank	Total/NA	Water	353.2	
MB 480-720332/4	Method Blank	Total/NA	Water	353.2	
LCS 480-720332/29	Lab Control Sample	Total/NA	Water	353.2	
LCS 480-720332/5	Lab Control Sample	Total/NA	Water	353.2	

Eurofins Buffalo

QC Association Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

General Chemistry

Analysis Batch: 720333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-1	MW-10-073024	Total/NA	Water	353.2	
MB 480-720333/3	Method Blank	Total/NA	Water	353.2	
LCS 480-720333/4	Lab Control Sample	Total/NA	Water	353.2	
480-222145-1 MS	MW-10-073024	Total/NA	Water	353.2	
480-222145-1 DU	MW-10-073024	Total/NA	Water	353.2	

Analysis Batch: 720334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-1	MW-10-073024	Total/NA	Water	353.2	
480-222145-2	MW-4-073024	Total/NA	Water	353.2	
480-222145-3	MW-7-073024	Total/NA	Water	353.2	

Analysis Batch: 720339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-2	MW-4-073024	Total/NA	Water	353.2	
480-222145-3	MW-7-073024	Total/NA	Water	353.2	

Analysis Batch: 720537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	350.1	
480-222107-4	MW-11-072624	Total/NA	Water	350.1	
480-222107-5	MW-13-072624	Total/NA	Water	350.1	
480-222120-1	MW-12-072924	Total/NA	Water	350.1	
480-222120-2	MW-14-072924	Total/NA	Water	350.1	
MB 480-720537/47	Method Blank	Total/NA	Water	350.1	
MB 480-720537/62	Method Blank	Total/NA	Water	350.1	
LCS 480-720537/48	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-720537/63	Lab Control Sample	Total/NA	Water	350.1	
480-222107-5 MS	MW-13-072624	Total/NA	Water	350.1	
480-222120-2 MS	MW-14-072924	Total/NA	Water	350.1	
480-222120-2 MSD	MW-14-072924	Total/NA	Water	350.1	

Analysis Batch: 720566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	SM 4500 S2 F	
480-222107-4	MW-11-072624	Total/NA	Water	SM 4500 S2 F	
480-222107-5	MW-13-072624	Total/NA	Water	SM 4500 S2 F	
480-222120-1	MW-12-072924	Total/NA	Water	SM 4500 S2 F	
480-222120-2	MW-14-072924	Total/NA	Water	SM 4500 S2 F	
MB 480-720566/3	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 480-720566/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
480-222107-3 MS	MW-15-072624	Total/NA	Water	SM 4500 S2 F	

Analysis Batch: 720608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-1	MW-10-073024	Total/NA	Water	350.1	
480-222145-2	MW-4-073024	Total/NA	Water	350.1	
480-222145-3	MW-7-073024	Total/NA	Water	350.1	
MB 480-720608/25	Method Blank	Total/NA	Water	350.1	
MB 480-720608/45	Method Blank	Total/NA	Water	350.1	
LCS 480-720608/26	Lab Control Sample	Total/NA	Water	350.1	

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QC Association Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

General Chemistry (Continued)

Analysis Batch: 720608 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-720608/46	Lab Control Sample	Total/NA	Water	350.1	

Analysis Batch: 720644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222107-3	MW-15-072624	Total/NA	Water	9060A	
480-222107-4	MW-11-072624	Total/NA	Water	9060A	
480-222107-5	MW-13-072624	Total/NA	Water	9060A	
480-222120-1	MW-12-072924	Total/NA	Water	9060A	
480-222120-2	MW-14-072924	Total/NA	Water	9060A	
480-222145-1	MW-10-073024	Total/NA	Water	9060A	
480-222145-2	MW-4-073024	Total/NA	Water	9060A	
480-222145-3	MW-7-073024	Total/NA	Water	9060A	
MB 480-720644/28	Method Blank	Total/NA	Water	9060A	
MB 480-720644/4	Method Blank	Total/NA	Water	9060A	
MB 480-720644/52	Method Blank	Total/NA	Water	9060A	
LCS 480-720644/29	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-720644/5	Lab Control Sample	Total/NA	Water	9060A	
LCS 480-720644/53	Lab Control Sample	Total/NA	Water	9060A	

Analysis Batch: 720776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-1	MW-10-073024	Total/NA	Water	SM 2320B	
480-222145-2	MW-4-073024	Total/NA	Water	SM 2320B	
480-222145-3	MW-7-073024	Total/NA	Water	SM 2320B	
MB 480-720776/4	Method Blank	Total/NA	Water	SM 2320B	
LCS 480-720776/5	Lab Control Sample	Total/NA	Water	SM 2320B	
480-222145-2 MS	MW-4-073024	Total/NA	Water	SM 2320B	
480-222145-1 DU	MW-10-073024	Total/NA	Water	SM 2320B	

Analysis Batch: 720835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-222145-1	MW-10-073024	Total/NA	Water	SM 4500 S2 F	
480-222145-2	MW-4-073024	Total/NA	Water	SM 4500 S2 F	
480-222145-3	MW-7-073024	Total/NA	Water	SM 4500 S2 F	
MB 480-720835/3	Method Blank	Total/NA	Water	SM 4500 S2 F	
LCS 480-720835/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 F	
480-222145-2 MS	MW-4-073024	Total/NA	Water	SM 4500 S2 F	
480-222145-1 DU	MW-10-073024	Total/NA	Water	SM 4500 S2 F	

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-15-072624

Lab Sample ID: 480-222107-3

Date Collected: 07/26/24 10:30

Matrix: Water

Date Received: 07/26/24 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	719962	AXK	EET BUF	07/29/24 21:51
Total/NA	Analysis	RSK-175		1	207106	RMG	EET BUR	08/02/24 14:53
Total/NA	Analysis	RSK-175		1	719942	MAN	EET BUF	07/29/24 14:31
Total/NA	Prep	3005A			720007	ET	EET BUF	07/30/24 08:43
Total/NA	Analysis	6010C		1	720134	NZG	EET BUF	07/30/24 14:26
Total/NA	Analysis	300.0		10	720116	AF	EET BUF	07/31/24 01:31
Total/NA	Analysis	350.1		1	720537	AM	EET BUF	08/01/24 17:43
Total/NA	Analysis	353.2		1	720158	KB	EET BUF	07/30/24 15:51
Total/NA	Analysis	353.2		1	720163	KB	EET BUF	07/30/24 17:35
Total/NA	Analysis	353.2		1	720165	KB	EET BUF	07/30/24 17:35
Total/NA	Analysis	9060A		1	720644	AF	EET BUF	08/02/24 19:52
Total/NA	Analysis	SM 2320B		1	720091	KB	EET BUF	07/30/24 00:04
Total/NA	Analysis	SM 4500 S2 F		1	720566	AM	EET BUF	08/02/24 13:47
Total/NA	Analysis	VFA-IC		5	719952	AF	EET BUF	07/30/24 15:25

Client Sample ID: MW-11-072624

Lab Sample ID: 480-222107-4

Date Collected: 07/26/24 11:30

Matrix: Water

Date Received: 07/26/24 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	719962	AXK	EET BUF	07/29/24 22:13
Total/NA	Analysis	RSK-175		1	207106	RMG	EET BUR	08/02/24 15:02
Total/NA	Analysis	RSK-175		1	720034	MAN	EET BUF	07/30/24 09:19
Total/NA	Prep	3005A			720007	ET	EET BUF	07/30/24 08:43
Total/NA	Analysis	6010C		1	720134	NZG	EET BUF	07/30/24 14:28
Total/NA	Analysis	300.0		5	720116	AF	EET BUF	07/31/24 01:46
Total/NA	Analysis	350.1		1	720537	AM	EET BUF	08/01/24 17:45
Total/NA	Analysis	353.2		1	720158	KB	EET BUF	07/30/24 15:52
Total/NA	Analysis	353.2		1	720163	KB	EET BUF	07/30/24 17:36
Total/NA	Analysis	353.2		1	720165	KB	EET BUF	07/30/24 17:36
Total/NA	Analysis	9060A		1	720644	AF	EET BUF	08/02/24 20:21
Total/NA	Analysis	SM 2320B		1	720091	KB	EET BUF	07/30/24 00:10
Total/NA	Analysis	SM 4500 S2 F		1	720566	AM	EET BUF	08/02/24 13:47
Total/NA	Analysis	VFA-IC		5	719952	AF	EET BUF	07/30/24 15:55

Client Sample ID: MW-13-072624

Lab Sample ID: 480-222107-5

Date Collected: 07/26/24 12:45

Matrix: Water

Date Received: 07/26/24 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	719962	AXK	EET BUF	07/29/24 22:36
Total/NA	Analysis	RSK-175		1	207334	RMG	EET BUR	08/08/24 12:49

Eurofins Buffalo

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-13-072624

Lab Sample ID: 480-222107-5

Date Collected: 07/26/24 12:45

Matrix: Water

Date Received: 07/26/24 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	RSK-175		1	719942	MAN	EET BUF	07/29/24 15:09
Total/NA	Prep	3005A			720007	ET	EET BUF	07/30/24 08:43
Total/NA	Analysis	6010C		1	720134	NZG	EET BUF	07/30/24 14:30
Total/NA	Prep	3005A			720007	ET	EET BUF	07/30/24 08:43
Total/NA	Analysis	6010C		5	720254	NZG	EET BUF	07/31/24 11:08
Total/NA	Analysis	300.0		20	720116	AF	EET BUF	07/31/24 02:00
Total/NA	Analysis	350.1		1	720537	AM	EET BUF	08/01/24 17:47
Total/NA	Analysis	353.2		1	720158	KB	EET BUF	07/30/24 15:53
Total/NA	Analysis	353.2		1	720165	KB	EET BUF	07/30/24 17:38
Total/NA	Analysis	353.2		1	720163	KB	EET BUF	07/30/24 17:38
Total/NA	Analysis	9060A		1	720644	AF	EET BUF	08/02/24 20:50
Total/NA	Analysis	SM 2320B		1	720091	KB	EET BUF	07/30/24 00:17
Total/NA	Analysis	SM 4500 S2 F		1	720566	AM	EET BUF	08/02/24 13:47
Total/NA	Analysis	VFA-IC		20	719952	AF	EET BUF	07/30/24 16:24

Client Sample ID: TRIP BLANK-072524B

Lab Sample ID: 480-222107-6

Date Collected: 07/26/24 00:00

Matrix: Water

Date Received: 07/26/24 15:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	RSK-175		1	719942	MAN	EET BUF	07/29/24 15:28

Client Sample ID: MW-12-072924

Lab Sample ID: 480-222120-1

Date Collected: 07/29/24 11:30

Matrix: Water

Date Received: 07/29/24 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	720077	ERS	EET BUF	07/30/24 13:38
Total/NA	Analysis	RSK-175		1	207334	RMG	EET BUR	08/08/24 12:59
Total/NA	Analysis	RSK-175		1	720034	MAN	EET BUF	07/30/24 10:13
Total/NA	Prep	3005A			720138	ET	EET BUF	07/31/24 08:52
Total/NA	Analysis	6010C		1	720313	NZG	EET BUF	07/31/24 14:35
Total/NA	Prep	3005A			720138	ET	EET BUF	07/31/24 08:52
Total/NA	Analysis	6010C		5	720456	NZG	EET BUF	08/01/24 14:18
Total/NA	Analysis	300.0		20	720116	AF	EET BUF	07/31/24 02:15
Total/NA	Analysis	350.1		1	720537	AM	EET BUF	08/01/24 17:52
Total/NA	Analysis	353.2		1	720158	KB	EET BUF	07/30/24 16:43
Total/NA	Analysis	353.2		1	720163	KB	EET BUF	07/30/24 16:43
Total/NA	Analysis	353.2		1	720164	KB	EET BUF	07/30/24 16:43
Total/NA	Analysis	9060A		1	720644	AF	EET BUF	08/02/24 21:19
Total/NA	Analysis	SM 2320B		1	720192	KB	EET BUF	07/30/24 23:41
Total/NA	Analysis	SM 4500 S2 F		1	720566	AM	EET BUF	08/02/24 13:47

Eurofins Buffalo

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-12-072924

Lab Sample ID: 480-222120-1

Date Collected: 07/29/24 11:30

Matrix: Water

Date Received: 07/29/24 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	VFA-IC		20	720232	AF	EET BUF	07/31/24 20:20

Client Sample ID: MW-14-072924

Lab Sample ID: 480-222120-2

Date Collected: 07/29/24 13:30

Matrix: Water

Date Received: 07/29/24 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	720077	ERS	EET BUF	07/30/24 14:00
Total/NA	Analysis	RSK-175		1	207334	RMG	EET BUR	08/08/24 13:08
Total/NA	Analysis	RSK-175		1	720034	MAN	EET BUF	07/30/24 10:32
Total/NA	Analysis	RSK-175	DL	5.5	720034	MAN	EET BUF	07/30/24 11:10
Total/NA	Prep	3005A			720138	ET	EET BUF	07/31/24 08:52
Total/NA	Analysis	6010C		1	720313	NZG	EET BUF	07/31/24 14:37
Total/NA	Prep	3005A			720138	ET	EET BUF	07/31/24 08:52
Total/NA	Analysis	6010C		5	720456	NZG	EET BUF	08/01/24 14:20
Total/NA	Analysis	300.0		20	720116	AF	EET BUF	07/31/24 02:30
Total/NA	Analysis	350.1		1	720537	AM	EET BUF	08/01/24 17:55
Total/NA	Analysis	353.2		1	720158	KB	EET BUF	07/30/24 16:44
Total/NA	Analysis	353.2		1	720163	KB	EET BUF	07/30/24 16:44
Total/NA	Analysis	353.2		1	720164	KB	EET BUF	07/30/24 16:44
Total/NA	Analysis	9060A		1	720644	AF	EET BUF	08/02/24 21:49
Total/NA	Analysis	SM 2320B		1	720192	KB	EET BUF	07/31/24 00:14
Total/NA	Analysis	SM 4500 S2 F		1	720566	AM	EET BUF	08/02/24 13:47
Total/NA	Analysis	VFA-IC		20	720232	AF	EET BUF	07/31/24 20:49

Client Sample ID: TRIP BLANK-072924

Lab Sample ID: 480-222120-3

Date Collected: 07/29/24 00:00

Matrix: Water

Date Received: 07/29/24 14:34

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	720077	ERS	EET BUF	07/30/24 14:22

Client Sample ID: MW-10-073024

Lab Sample ID: 480-222145-1

Date Collected: 07/30/24 12:00

Matrix: Water

Date Received: 07/30/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	720370	ZN	EET BUF	08/01/24 17:17
Total/NA	Analysis	RSK-175		1	207334	RMG	EET BUR	08/08/24 15:05
Total/NA	Analysis	RSK-175		1	720420	MAN	EET BUF	08/01/24 12:57
Total/NA	Prep	3005A			720298	ET	EET BUF	08/01/24 09:58
Total/NA	Analysis	6010C		1	720655	NZG	EET BUF	08/02/24 18:57

Eurofins Buffalo

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-10-073024

Lab Sample ID: 480-222145-1

Date Collected: 07/30/24 12:00

Matrix: Water

Date Received: 07/30/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3005A			720298	ET	EET BUF	08/01/24 09:58
Total/NA	Analysis	6010C		5	720655	NZG	EET BUF	08/02/24 18:59
Total/NA	Prep	3005A			720298	ET	EET BUF	08/01/24 09:58
Total/NA	Analysis	6010C		1	720536	BMB	EET BUF	08/02/24 10:53
Total/NA	Analysis	300.0		20	720267	AF	EET BUF	07/31/24 17:19
Total/NA	Analysis	350.1		1	720608	AM	EET BUF	08/02/24 16:25
Total/NA	Analysis	353.2		1	720332	KB	EET BUF	07/31/24 16:18
Total/NA	Analysis	353.2		1	720333	KB	EET BUF	07/31/24 17:09
Total/NA	Analysis	353.2		1	720334	KB	EET BUF	07/31/24 17:09
Total/NA	Analysis	9060A		1	720644	AF	EET BUF	08/03/24 14:06
Total/NA	Analysis	SM 2320B		1	720776	KB	EET BUF	08/05/24 17:46
Total/NA	Analysis	SM 4500 S2 F		1	720835	AM	EET BUF	08/06/24 13:45
Total/NA	Analysis	VFA-IC		20	720232	AF	EET BUF	07/31/24 18:52

Client Sample ID: MW-4-073024

Lab Sample ID: 480-222145-2

Date Collected: 07/30/24 13:00

Matrix: Water

Date Received: 07/30/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		800	720189	ZN	EET BUF	07/31/24 19:16
Total/NA	Analysis	RSK-175		1	207334	RMG	EET BUR	08/08/24 15:14
Total/NA	Analysis	RSK-175		1	720420	MAN	EET BUF	08/01/24 13:16
Total/NA	Analysis	RSK-175	DL	22	720420	MAN	EET BUF	08/01/24 14:13
Total/NA	Prep	3005A			720298	ET	EET BUF	08/01/24 09:58
Total/NA	Analysis	6010C		1	720655	NZG	EET BUF	08/02/24 19:01
Total/NA	Prep	3005A			720298	ET	EET BUF	08/01/24 09:58
Total/NA	Analysis	6010C		5	720655	NZG	EET BUF	08/02/24 19:02
Total/NA	Prep	3005A			720298	ET	EET BUF	08/01/24 09:58
Total/NA	Analysis	6010C		1	720536	BMB	EET BUF	08/02/24 10:55
Total/NA	Analysis	300.0		20	720267	AF	EET BUF	07/31/24 17:37
Total/NA	Analysis	350.1		1	720608	AM	EET BUF	08/02/24 16:26
Total/NA	Analysis	353.2		1	720332	KB	EET BUF	07/31/24 16:20
Total/NA	Analysis	353.2		1	720334	KB	EET BUF	07/31/24 16:20
Total/NA	Analysis	353.2		1	720339	KB	EET BUF	07/31/24 16:20
Total/NA	Analysis	9060A		1	720644	AF	EET BUF	08/03/24 14:36
Total/NA	Analysis	SM 2320B		1	720776	KB	EET BUF	08/05/24 17:59
Total/NA	Analysis	SM 4500 S2 F		1	720835	AM	EET BUF	08/06/24 13:45
Total/NA	Analysis	VFA-IC		20	720232	AF	EET BUF	07/31/24 19:21

Eurofins Buffalo

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Client Sample ID: MW-7-073024

Lab Sample ID: 480-222145-3

Date Collected: 07/30/24 15:00

Matrix: Water

Date Received: 07/30/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10000	720189	ZN	EET BUF	07/31/24 19:39
Total/NA	Analysis	RSK-175		1	207334	RMG	EET BUR	08/08/24 15:24
Total/NA	Analysis	RSK-175		1	720420	MAN	EET BUF	08/01/24 13:35
Total/NA	Analysis	RSK-175	DL	11	720420	MAN	EET BUF	08/01/24 14:31
Total/NA	Prep	3005A			720298	ET	EET BUF	08/01/24 09:58
Total/NA	Analysis	6010C		1	720655	NZG	EET BUF	08/02/24 19:04
Total/NA	Prep	3005A			720298	ET	EET BUF	08/01/24 09:58
Total/NA	Analysis	6010C		1	720536	BMB	EET BUF	08/02/24 11:02
Total/NA	Analysis	300.0		5	720267	AF	EET BUF	07/31/24 19:07
Total/NA	Analysis	350.1		1	720608	AM	EET BUF	08/02/24 16:28
Total/NA	Analysis	353.2		1	720332	KB	EET BUF	07/31/24 16:21
Total/NA	Analysis	353.2		1	720334	KB	EET BUF	07/31/24 16:21
Total/NA	Analysis	353.2		1	720339	KB	EET BUF	07/31/24 16:21
Total/NA	Analysis	9060A		1	720644	AF	EET BUF	08/03/24 15:05
Total/NA	Analysis	SM 2320B		1	720776	KB	EET BUF	08/05/24 18:11
Total/NA	Analysis	SM 4500 S2 F		1	720835	AM	EET BUF	08/06/24 13:45
Total/NA	Analysis	VFA-IC		5	720232	AF	EET BUF	07/31/24 19:51

Client Sample ID: Trip Blank-073024

Lab Sample ID: 480-222145-4

Date Collected: 07/30/24 00:00

Matrix: Water

Date Received: 07/30/24 15:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	720261	ERS	EET BUF	08/01/24 01:11

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
VFA-IC		Water	Acetic acid
VFA-IC		Water	Formic-acid
VFA-IC		Water	Lactic acid
VFA-IC		Water	n-Butyric Acid
VFA-IC		Water	Propionic acid
VFA-IC		Water	Pyruvic Acid

Laboratory: Eurofins Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-26
Connecticut	State	PH-0751	09-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-19-25
Florida	NELAP	E87467	06-30-25
Minnesota	NELAP	050-999-436	12-31-24
New Hampshire	NELAP	2006	12-18-24
New Jersey	NELAP	VT972	06-30-25
New York	NELAP	10391	03-31-25
Pennsylvania	NELAP	68-00489	04-30-25
Rhode Island	State	LAO00298	12-31-24
US Fish & Wildlife	US Federal Programs	058448	08-01-25
USDA	US Federal Programs	P330-17-00272	12-19-26
Vermont	State	VT4000	02-10-25
Virginia	NELAP	460209	12-14-24
Wisconsin	State	399140830	08-31-24

Method Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
RSK-175	Dissolved Gases (GC)	RSK	EET BUF
RSK-175	Dissolved Gases (GC)	RSK	EET BUR
6010C	Metals (ICP)	SW846	EET BUF
300.0	Anions, Ion Chromatography	EPA	EET BUF
350.1	Nitrogen, Ammonia	EPA	EET BUF
353.2	Nitrate	EPA	EET BUF
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET BUF
353.2	Nitrogen, Nitrite	EPA	EET BUF
9060A	Organic Carbon, Total (TOC)	SW846	EET BUF
SM 2320B	Alkalinity	SM	EET BUF
SM 4500 S2 F	Sulfide, Total	SM	EET BUF
VFA-IC	Volatile Fatty Acids, Ion Chromatography	TestAmerica SOP	EET BUF
3005A	Preparation, Total Metals	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TestAmerica SOP = TestAmerica, Inc., Standard Operating Procedure

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: GHD Services Inc.
Project/Site: 12616852, GM Lockport 256043

Job ID: 480-222107-1
SDG: Delphi Harrison

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-222107-3	MW-15-072624	Water	07/26/24 10:30	07/26/24 15:20
480-222107-4	MW-11-072624	Water	07/26/24 11:30	07/26/24 15:20
480-222107-5	MW-13-072624	Water	07/26/24 12:45	07/26/24 15:20
480-222107-6	TRIP BLANK-072524B	Water	07/26/24 00:00	07/26/24 15:20
480-222120-1	MW-12-072924	Water	07/29/24 11:30	07/29/24 14:34
480-222120-2	MW-14-072924	Water	07/29/24 13:30	07/29/24 14:34
480-222120-3	TRIP BLANK-072924	Water	07/29/24 00:00	07/29/24 14:34
480-222145-1	MW-10-073024	Water	07/30/24 12:00	07/30/24 15:50
480-222145-2	MW-4-073024	Water	07/30/24 13:00	07/30/24 15:50
480-222145-3	MW-7-073024	Water	07/30/24 15:00	07/30/24 15:50
480-222145-4	Trip Blank-073024	Water	07/30/24 00:00	07/30/24 15:50

Client Information

Client Contact:
Mr. Thomas Bohlen

Company:
GZA GeoEnvironmental, Inc.

Address:
300 Pearl Street, Suite 700
Buffalo
NY, 14202

Phone:
716-844-7050

Email:
thomas.bohlen@gza.com

Project Name:
058507, GM Lockport 256043

Site:
Delphi Site

Sampler:
Morgan Brown

Phone:
716-803-5717

Lab PM:
Heckler, Denise D

E-Mail:
Denise.Heckler@eurofinsus.com

Carrier Tracking No(s):
480-197826-40940.1

State of Origin:
NY

Page:
1

Due Date Requested:

TAT Requested (days):
Standard

Compliance Project: ☐ Yes ☒ No

PO #:
256043

WO #:
256043

Project #:
48004014

SSOW#:

Sample Identification

MW-12-072924

MW-14-072924

Trip Blank

Analysis Requested

Perform MS/MSD (Yes or No)

300.0 - Chloride & Sulfate, Nitrate, Nitrite

6010C - Metals - Fe, Mn, Mg, K & Na

RSK_175 - Methane, Ethane & Ethene

8260C - PCE, TCE, DCE (trans and cis) & VC

9060A - TOC

SM4500_S2_F - Sulfide

350.1 - Ammonia

2320B - Alkalinity

Total Number of Containers

Sample Type

Sample Time

Sample Date

Preservation Code:

Matrix
(W=water, S=solid, O=organic, A=air)

Sample Identification

MW-12-072924

MW-14-072924

Trip Blank

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Custody Seals Intact:
☐ Yes ☒ No

Custody Seal No.:

Special Instructions/Note:

See D. Heckler for reporting

480-222120 Chain of Custody

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Received by:

Received by:

Received by:

Cooler Temperature(s) °C and Other Remarks:
12.6 + 1ce

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8/28/2024 (Rev. 1)

Ver: 04/02/2024

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9585
07.31

BILL SENDER

REF: SOUTH BURLINGTON

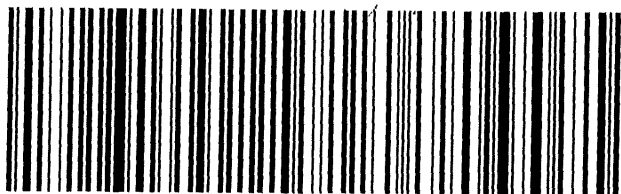
FedEx
Express



WED - 31 JUL 10:30A
PRIORITY OVERNIGHT

NX BTVA

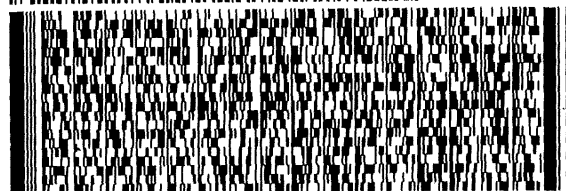
05403
VT-US BTV



BILL SENDER

(802) 660-1990

REF: SOUTH BURLINGTON



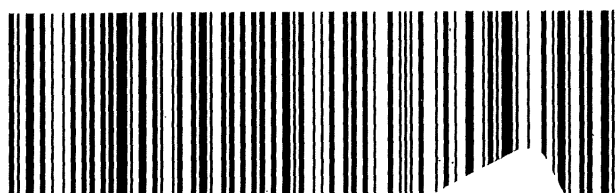
FedEx
Express



WED - 31 JUL 10:30/
PRIORITY OVERNIGHT

NX BTVA

05403
VT-US BTV



RT **916**
EZ **915**
1 10:30
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9574
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Chain of Custody Record



Environment Testing

[illegible]

Do not lift using this tag.

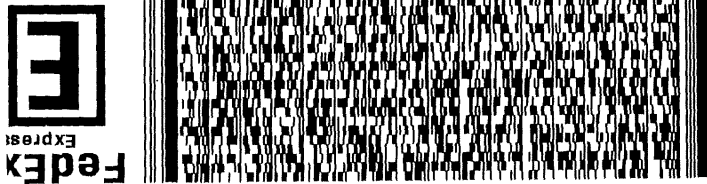
SAMPLE CONTROL
EUROFINS ENVIRONMENT TESTING
10 HAZELWOOD DRIVE
BUFFALO, NY 142282223
UNITED STATES US

BILL SENDER

ACTWGT: 39.85 LB
CAD: 0759273/CAFE3808
DIMS: 26X15X14 IN

SAMPLE RECEIPT
EUROFINS BURLINGTON
530 COMMUNITY DR
STE 11
SOUTH BURLINGTON VT 054036650

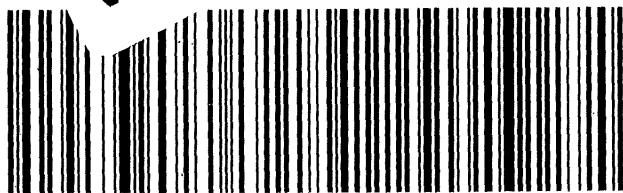
REF: SOUTH BURLINGTON



WED - 31 JUL 10:30A
PRIORITY OVERNIGHT

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RT 916
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9574
A
07:31

RT 916
FZ 915
10:30
A
07:31
9585

Do not lift using this tag.

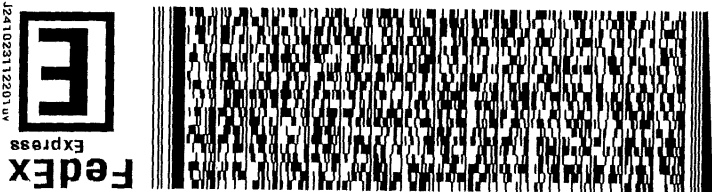
SAMPLE CONTROL
EUROFINS ENVIRONMENT TESTING
10 HAZELWOOD DRIVE
BUFFALO, NY 142282223
UNITED STATES US

BILL SENDER

Part # 159469-434 MTW EXP 04/25
585C5/A12B/C5C4

SAMPLE RECEIPT
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530 COMMUNITY DR
STE 11
SOUTH BURLINGTON VT 054036650

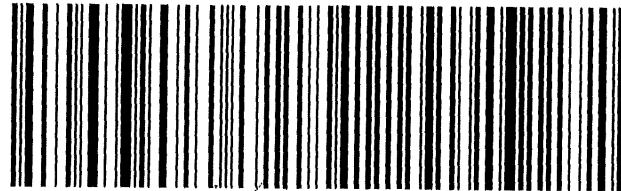
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(802) 660-1990



WED - 31 JUL 10:30A
PRIORITY OVERNIGHT

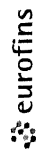
NX BTVA

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BT
VT-US



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Chain of Custody Record



Environment Testing

[illegible]

Part # 159469-434 MTW EXP 04/25

SAMPLE CONTROL
EUROFINS ENVIRONMENT TESTING
10 HAZELWOOD DRIVE
BUFFALO, NY 142282223
UNITED STATES US
BILL SENDER

ACTING: 17.50 LB
CAD: 0759223/CAFE3808
DIMS: 15x12x11 IN

TO SAMPLE RECEIPT

EUROFINS BURLINGTON

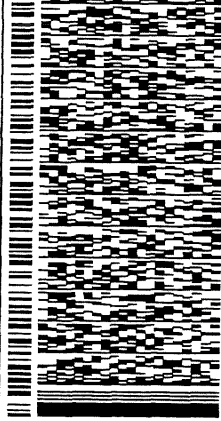
530 COMMUNITY DR

STE 11

SOUTH BURLINGTON VT 054036650

(802) 860-1890

REF: SOUTH BURLINGTON



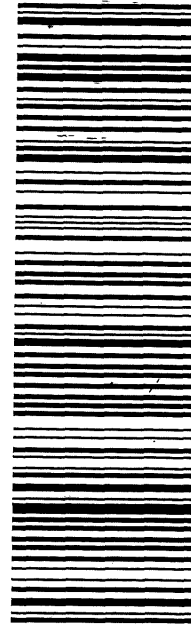
THU - 01 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 7463 0657 0214

NX BTVA

05403

VT-US BTV



RT 916 1 A

Part # 159469-434 MTW EXP 04/25

SAMPLE CONTROL
EUROFINS ENVIRONMENT TESTING
10 HAZELWOOD DRIVE
BUFFALO, NY 142282223
UNITED STATES US
BILL SENDER

ACTING: 56.90 LB
CAD: 0759223/CAFE3808
DIMS: 28x15x14 IN

TO SAMPLE RECEIPT

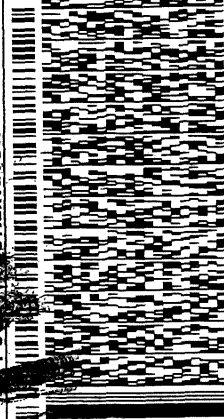
EUROFINS BURLINGTON

530 COMMUNITY DR

SOUTH BURLINGTON VT 054036650

(802) 860-1890

REF: SOUTH BURLINGTON



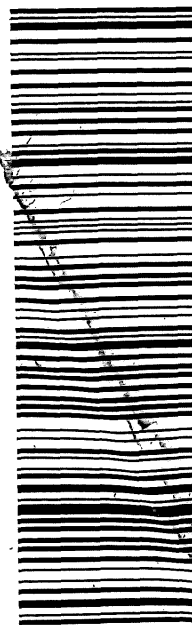
THU - 01 AUG 10:30A
PRIORITY OVERNIGHT

TRK# 7463 0657 0203

NX BTVA

0540

VT-US BT



Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-222107-1

SDG Number: Delphi Harrison

Login Number: 222107

List Number: 1

Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	EMPTY VIALS
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GZA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-222107-1

SDG Number: Delphi Harrison

Login Number: 222107

List Number: 2

Creator: Devarney, Hilary

List Source: Eurofins Burlington

List Creation: 07/31/24 04:17 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2533705, 2533703
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	5.9°C, 4.5°C
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	Received project as a subcontract.
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-222107-1

SDG Number: Delphi Harrison

Login Number: 222120

List Number: 1

Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GZA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-222107-1

SDG Number: Delphi Harrison

Login Number: 222120

List Number: 2

Creator: Devarney, Hilary

List Source: Eurofins Burlington

List Creation: 07/31/24 04:17 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2533705, 2533703
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	5.9°C, 4.5°C
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	Received project as a subcontract.
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-222107-1

SDG Number: Delphi Harrison

Login Number: 222145

List Number: 1

Creator: Stapleton, Kaitlyn

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	8.6 #1 ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GZA GeoEnvironmental
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-222107-1

SDG Number: Delphi Harrison

Login Number: 222145

List Number: 2

Creator: Dawicki, Don C

List Source: Eurofins Burlington

List Creation: 08/02/24 10:52 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	2533608
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.6c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



GZA GeoEnvironmental, Inc.