

Former Griffin Technology Site (#C835008)
6132 Victor-Manchester Road
Town of Farmington
Ontario County, New York

Periodic Review Report

Prepared for:



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May 2022

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Executive Summary

The Former Griffin Technology Site #C835008 (hereinafter referred to as the "Site"), is a 3.6-acre parcel located at 6132 Victor Manchester Road in the Town of Farmington, Ontario County, New York (Figure 1). The Site was the location of Griffin Technology from 1975 to the mid-1990s and was used for photo coating operations involving the use of trichloroethene (TCE). The Site was admitted to the Brownfield Cleanup Program (BCP) on August 24, 2007 and is currently listed as a Class C New York State Department of Environmental Conservation (NYSDEC) Inactive Hazardous Waste Disposal Site (IHWDS). Remedial activities were completed by S&W Redevelopment of North American, LLC (SWRNA) on behalf of Victor Manchester, LLC in 2008.

Initial remedial methods included injecting an aqueous solution of potassium permanganate into fifteen injection wells at the Site between July and September 2008. Observation and findings indicated the potassium permanganate solution had dispersed across majority of the Site. However, the permanganate injections failed to adequately reduce levels of contaminants of concern (COCs), including several chlorinated volatile organic compounds (cVOCs). To address residual cVOC concentrations, Lu Engineers performed a round of emulsified vegetable oil (EVO) injections in December 2015, with NYSDEC oversight.

The effectiveness of the remedial actions outlined in the Site Management Plan (SMP; dated December 2008), and subsequent injections have been monitored through periodic groundwater sampling. Groundwater analytical data has fluctuated throughout the reporting periods; however, an overall reduction in cVOC concentrations has occurred on Site (with respect to baseline sampling results). During the most recent sampling event (March 2022), analytical data indicated a general decrease in TCE and several degradation products, including cis-1,2-dichloroethane (cis-1,2-DCE) and vinyl chloride.

The implemented remedies to manage residual contamination are effective, protective and are progressing towards the remedial action objectives (RAOs). The Institutional Controls (ICs) and Engineering Controls (ECs) outlined in the Monitoring and Sampling Plan, including, land and groundwater use restrictions, and adherence to an approved SMP, were fully in place and effective during this reporting period. No structures have been constructed on the Site and no change of use has occurred on the Site during this reporting period. No deficiencies were present and therefore, no corrective measures are recommended during this reporting period.

The required IC/EC certification has been completed as a component of this PRR report and a copy is included as Attachment A.

Some of the wells present on Site have been damaged and require future repair and/or decommissioning. Lu Engineers recommends repairing the wells to be sampled as part of the groundwater monitoring program outlined in the SMP, and decommissioning remaining non-essential wells. Refer to Section 5.0 for more information.



1.0 Introduction

This Periodic Review Report (PRR) was prepared by Lu Engineers, on behalf of Auto Outlets USA, in accordance with the requirements set forth in NYSDEC 'DER-10 Technical Guidance for Site Investigation and Remediation', dated May 2010, and the guidelines provided by the NYSDEC.

The following items are included in this PRR:

- Identification, assessment, and certification of all ICs required by the remedy for the Site;
- Results of the Site sampling events including applicable records generated for the Site during the reporting period;
- A summary of any discharge monitoring data and/or information generated during the reporting period with comments and conclusions;
- Data summary tables of groundwater contaminants of concern by media;
- Laboratory analysis results, and the required laboratory data deliverables for each sample collected during the reporting period have been and will continue to be submitted electronically in a NYSDEC-approved EQulS format;
- A Site evaluation, which includes the following:
 - I. The compliance of the remedy with the requirements of the SMP;
 - II. The operation and the effectiveness of each treatment unit, including identification of any needed repairs or modifications;
 - III. Any new conclusions or observations regarding Site contamination based on inspection or lab data generated during the monitoring events;
 - IV. Recommendations regarding any necessary changes to the remedy and/or SMP; and the overall performance and effectiveness of the remedy to date.

2.0 Site Overview

The Site is located at 6132 Victor-Manchester Road, Ontario County, Farmington, New York as indicated by the Site Location Map (Figure 1). The Brownfield Cleanup Agreement (BCA) describes the Site as consisting of Tax Parcel 29.00-1-12 and the southern quarter of parcel 29.00-1-76-1. The Site is bounded by a wooded area to the north, Victor-Manchester Road to the south, a wooded area to the east, and a commercial property to the west. The attached figures provide detail on the Site layout as well as the location of wells and other relevant features.

The Site is the location of the former Griffin Technology Site, which is a listed NYSDEC IHWDS (#835008). A Certificate of Completion, dated May 12, 2009, has been issued regarding remediation soil and groundwater contamination; the parcel is considered to be a controlled recognized environmental condition (CREC) at this time.

Griffin Technology previously operated the Site from 1975 until the mid-1990s performing photo coating (laminating) operations. TCE was believed to be present in liquid waste that was released onto the ground surface outside the western door of the Site building from approximately 1975 until 1986. It is estimated that a total of approximately 490-gallons of waste was released in 5-gallon increments over that time frame (BB&L, July 1991).



Previous environmental work includes, but is not limited to, the following:

- Interim Remedial Measures (IRM) Work Plan 1996 by Woodward-Clyde;
- Three (3) recovery wells screened in bedrock across the overburden/bedrock interface began operation in 1997;
- Fourth recovery well went into operation in 1999;
- Admittance to BCP in 2007;
- ISCO applied w/ NYSDEC-approved Remedial Design Document by SWRNA in 2008;
- SMP 2008;
- SMP PRR, S&W Redevelopment of North America, LLC in 2011;
- Corrective Measure Plan (CMP) by Labella in 2012;
- Final well sampling report (Test America, November 2013).

Surface and subsurface soil samples have not previously indicated contaminant concentrations in exceedance of applicable 6NYCRR Part 375-6.8(b) standards. CVOCs have been detected in groundwater above 6 NYCRR Part 703.5 Class GA Ambient Groundwater Quality standards. Primary contaminants of concern (COC) identified include TCE and its degradation products, cis-1,2-DCE, and vinyl chloride.

In July and September 2008, SWRNA oversaw the injection of an aqueous solution containing approximately 13,530 pounds of potassium permanganate into fifteen on-site injection wells. Post injection monitoring indicated the potassium permanganate solution had evenly dispersed across the majority of the Site. Quarterly groundwater monitoring was implemented at the Site in accordance with the NYSDEC-approved SMP. Results from groundwater sampling events indicated that levels of TCE and other COCs returned to levels observed prior to the permanganate injection program.

In December 2015, Lu Engineers oversaw the injection of 640-gallons of emulsified vegetable oil (EVO) into 14 Site injection wells with NYSDEC oversight. Work was performed in accordance with the NYSDEC-approved IRM Work Plan, dated September 2014. EVO was used to capture and immobilize cVOCs in groundwater and stimulate contaminant attenuation by natural microbes. The March and June 2016 groundwater sampling events were performed in predetermined intervals to evaluate the effectiveness of the IRM. Long term management of the remaining contamination, as required by the SMP involves monitoring and reporting through controls implemented at the Site, including periodic sampling of nine (9) observation wells (OW-1 through OW-9) for VOCs.

3.0 Remedy Performance, Effectiveness, and Protectiveness Evaluation

Post-remedial groundwater sampling indicates that low-level groundwater impacts persist at the Site since completion of IRMs. The following eight (8) groundwater sampling events have been conducted in accordance with the SMP:

- June 2011
- November 2013
- March 2016
- June 2016
- November 2016
- October 2017
- July 2018
- March 2022



Table 1 presents a complete summary of groundwater analytical results from this reporting period. Table Group 2 illustrates cVOC concentration trends since June 2008. Groundwater sample analytical results were compared to applicable NYSDEC 6NYCRR Part 703.5 Class GA groundwater standards.

cVOC concentrations have fluctuated throughout sampling events. However, overall reductions (with respect to baseline sampling) have generally occurred on Site. From July 2018 to March 2022, analytical data indicated decreases in several constituents, including TCE, cis-1,2-DCE, and vinyl chloride. The decrease in overall cVOC concentrations is presumably a result of natural attenuation. It is inferred that fluctuating contaminant levels are somewhat related to fluctuations in groundwater elevations over time.

The ICs established for the Site continue to be in general compliance with the SMP. Though residual contamination exists in groundwater, the established controls effectively reduce the potential for human exposure.

4.0 Institutional Control/Engineering Control Compliance

Since remaining contaminated soil and groundwater exists beneath the Site, ICs/ECs are required to protect public health and the environment. ICs include an Environmental Easement which outlines Site use restrictions and groundwater use prohibition. The SMP did not require implementation of ECs, however, ECs may be implemented to mitigate soil vapor intrusion (SVI) in newly constructed buildings on-Site, or if the existing building is re-occupied (Refer to Section 6 of the SMP).

Institutional Controls (ICs)

A series of ICs is required by the Environmental Easement to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to commercial uses only. Adherence to these Institutional Controls on the Site is required by the Environmental Easement and will be implemented under the SMP. These ICs include:

- The property may only be used for commercial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted or residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- The use of groundwater underlying the property is prohibited without treatment rendering it safe for intended use, and approval from NYSDEC and NYSDOH;
- The potential for vapor intrusion must be evaluated for any buildings developed on the Site, and any potential impacts that are identified must be monitored or mitigated;
- The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and,



(2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls.

This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable (see Section 6.0); and

- Annual groundwater monitoring will be conducted to assess the performance and effectiveness of the remedy, in accordance with the SMP.

ICs identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement; adherence to these ICs is required.

Engineering Controls (ECs)

ECs include:

- **SVI** – Prior to constructing any new buildings at the Site, and/or re-occupying existing structures, the owner must conduct a soil vapor investigation to evaluate potential for SVI, or install an active sub-slab depressurization system. Designs for engineering controls to mitigate SVI must be submitted to NYSDEC/NYSDOH for approval prior to occupancy. SVI mitigation is outlined in Section 6 of the SMP.

The required IC/EC certification has been completed as a component of this report and a copy is included as Attachment A.

5.0 Monitoring Plan Compliance

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the Site and all affected Site media identified in the table below.

Monitoring Program	Frequency*	Matrix	Analysis
Groundwater Monitoring	Annual	Groundwater	EPA Method 8260 VOCs;

*The frequency of events will be conducted as specified until otherwise approved by NYSDEC (see Section 6.0).

Monitoring activities completed during this reporting period (2010-2022) included the following:

- Annual groundwater sampling of Site wells (OW-1 through OW-9)

Groundwater Sampling

The following table summarizes the details of the groundwater sampling program to be completed during each annual sampling event.

Media Sampling and Analysis Summary

Sample Type	Sample Location	Analytical Parameters	Frequency
Groundwater	OW-1 through OW-9	TCL VOC list compounds by EPA Method 8260B	Annual



Site wells were sampled using low flow sampling methods as outlined in the SMP. Groundwater quality measurements including temperature, turbidity, pH, conductivity and oxidation reduction potential (ORP) were collected during the purging process at each well. Purge water from each well was released to the ground surface near the well. At each well, samples were collected for TCL VOC list compounds by EPA Method 8260B. Groundwater sampling logs are included as Attachment B of this report.

The following sections summarize the analytical results for each year within this reporting period as well as previous periods for reference.

June 2011

TCE was detected in exceedance of 6 NYCRR Part 703 Class GA groundwater quality standards in all wells except for OW-1. OW-6 and OW-7 also indicated exceedances in vinyl chloride. OW-3 and OW-4 indicated exceedances of both cis-1,2-DCE and vinyl chloride. It is noted TCE concentrations decreased with respect to the June 2008 sampling event.

November 2013

TCE concentrations significantly increased at all well locations. Cis-1,2-DCE and vinyl chloride also generally increased at all well locations with respect to the June 2011 sampling round. 1,1,1-trichloroethane (1,1,1-TCA) was also detected in exceedance of 6 NYCRR Part 703 Class GA groundwater quality standards at OW-1 and OW-3.

March 2016

TCE concentrations decreased at all well locations; cis-1,2-DCE and vinyl chloride also decreased at all locations with respect to the November 2013 sampling round. Previous detections of 1,1,1-TCA were not observed this round of sampling. It is also noted OW-6 was dry and not included in sampling. Groundwater levels were the highest observed throughout the reporting period.

June 2016

TCE, cis-1,2-DCE, and vinyl chloride concentrations generally increased at all locations with respect to the March 2016 sampling round. 1,1,1-TCA was detected again in exceedance of 6 NYCRR Part 703 Class GA groundwater quality standards at OW-1. It is noted OW-6 was dry and not included in sampling.

November 2016

TCE, cis-1,2-DCE, and vinyl chloride concentrations decreased at OW-1,2,3,7, and 8 with respect to the June 2016 sampling event. OW-4, 5 and 9 exhibited increased TCE concentrations, with general reductions in cis-1,2-DCE, and vinyl chloride. It is noted OW-6 was dry and not included in the sampling event. Groundwater levels increased significantly with respect to the June 2016 sampling round.

October 2017

TCE concentrations decreased at OW-1,4,5, & 9, and increased at OW-3, 7, and 8 with respect to the November 2016 sampling event. Reductions in cis-1,2-DCE, and vinyl chloride occurred in all wells with exception to OW-3 and 7. It is noted OW-6 was dry and not included in sampling. Groundwater levels did not significantly change with respect to the November 2016 sampling round.



July 2018

TCE concentrations increased at OW-1, 5, 7, & 9, and decreased at OW-2, 3, 4, and 8 with respect to the October 2017 sampling event. TCE is still found in exceedance of NYSDEC 6NYCRR Part 703.5 Class GA groundwater standards at: OW-1 (370 ppb), OW-3 (19 ppb), OW-4 (25 ppb), OW-5 (26 ppb), OW-7 (14 ppb), OW-8/MW-4 (25 ppb), and OW-9/MW-3 (24 ppb).

cis-1,2-DCE, and vinyl chloride concentrations increased at OW-1, 3, 7, 8, and 9, and decreased at OW-2, 4, and 5 with respect to the October 2017 sampling round. Cis-1,2-DCE still exceeds applicable regulatory criteria at: OW-1 (53 ppb), OW-3 (37 ppb), OW-4 (10 ppb), OW-5 (19 ppb), OW-7 (10 ppb), and OW-8/MW-4 (11 ppb), and vinyl chloride continues to exceed at: OW-1 (17 ppb), OW-3 (25 ppb), OW-4 (4.4 ppb), OW-5 (8.4 ppb), OW-7 (8.6 ppb), OW-8/MW-4 (20 ppb), and OW-9/MW-3 (3.7 ppb).

A 1,1,1-TCA exceedance was detected at OW-1 (7.4 ppb). Groundwater levels increased significantly with respect to the October 2017 sampling round.

March 2022

TCE concentrations decreased at OW-1, 3, 4, 5, 7, 8, and 9 with respect to the July 2018 sampling event. TCE concentrations remain in exceedance of NYSDEC 6NYCRR Part 703.5 Class GA groundwater standards at: OW-4 (14.9 ppb), OW-5 (11.6 ppb), OW-8 (5.21 ppb) and OW-9 (17.7 ppb).

Cis-1,2-DCE concentrations increased at OW-4 and OW-9/MW-3 and decreased at OW-1, 2, 3, 5, 7, and 8 with respect to the July 2018 sampling event. cis-1,2-DCE concentrations remain in exceedance of NYSDEC 6NYCRR Part 703.5 Class GA groundwater standards at: OW-3 (11 ppb), OW-4 (10.2 ppb), OW-5 (9.67 ppb) and OW-7 (6.55 ppb).

Vinyl chloride concentrations increased at OW-3 and decreased at OW-1, 2, 3, 5, 7, 8, and 9 with respect to the July 2018 sampling event. Vinyl concentrations remain in exceedance of NYSDEC 6NYCRR Part 703.5 Class GA groundwater standards at: OW-3 (29.6 ppb), OW-4 (2.94 ppb), OW-5 (3.05 ppb) and OW-7 (2.19 ppb). A copy of the laboratory analytical report is included as Attachment C; a summary of analytical results and contaminant concentration trends are included in the attached tables.

Samples were analyzed by Paradigm Environmental Services, Inc., a New York State Environmental Laboratory Approval Program (ELAP) certified laboratory. All sampling methods and QA/QC measures were adhered to as outlined in the approved SMP.

Monitoring Well Network

Some of the wells present on Site have been damaged and require future repair and/or decommissioning; refer to Attachment D Photographs. The following table describes well conditions observed during the March 2022 sampling event:



Well ID	Notes	Recommendation
OW-1	Protective casing damaged; limited access for sampling.	Repair protective casing and replace lock.
OW-2	Generally in good condition; missing lock.	Replace lock.
OW-3	Generally in good condition; missing lock.	Replace lock.
OW-4	Well casing upheaved; lock and cover missing.	Repair protective casing and replace lock.
OW-5	Missing lock and cover.	Replace lock and cover.
OW-7	Good condition.	--
OW-8/MW-4	Generally in good condition; missing lock.	Replace lock.
OW-9/MW-3	Generally in good condition; missing lock.	Replace lock.
IW-1	Good condition.	--
IW-2	Protective casing uplifted; lock and cover broken off.	Repair protective casing.
IW-3	Good condition.	--
IW-4	Lock and cover broken off.	Repair protective casing.
IW-5	Good condition.	--
IW-6	Good condition.	--
IW-7	Good condition.	--
IW-8	Good condition.	--
IW-9	Surface completion destroyed.	Decommission to extent practicable.
IW-10	Good condition.	--
IW-11	Lock and cover broken off.	Repair protective casing.
IW-12	Good condition.	--
IW-13	Protective casing damaged; limited access for sampling.	Repair protective casing and replace lock.
IW-14	Lock and cover broken off.	Repair protective casing.

After decommissioning and repairs are made, remaining well heads should be surveyed in order to accurately attain groundwater elevations during future sampling events.

6.0 Conclusions and Recommendations

IC/EC Compliance

The requirements and regulations set forth in the SMP for ICs were complied with during this reporting period. This includes the following:

Land Use Restriction – The on-site building is currently unoccupied and has met the requirements of this restriction in this reporting period.

Groundwater Use Restriction – The Site is currently vacant and does not use the Site groundwater in any capacity, therefore meeting the requirements of this restriction in this reporting period.

SMP – The Site is currently in compliance with all components of the Site-specific SMP and all requirements have been met during this reporting period.

The requirements set forth in the SMP for all ECs were met during this reporting period. No structures have been constructed on the Site and no change of use has occurred on the Site during this reporting period.

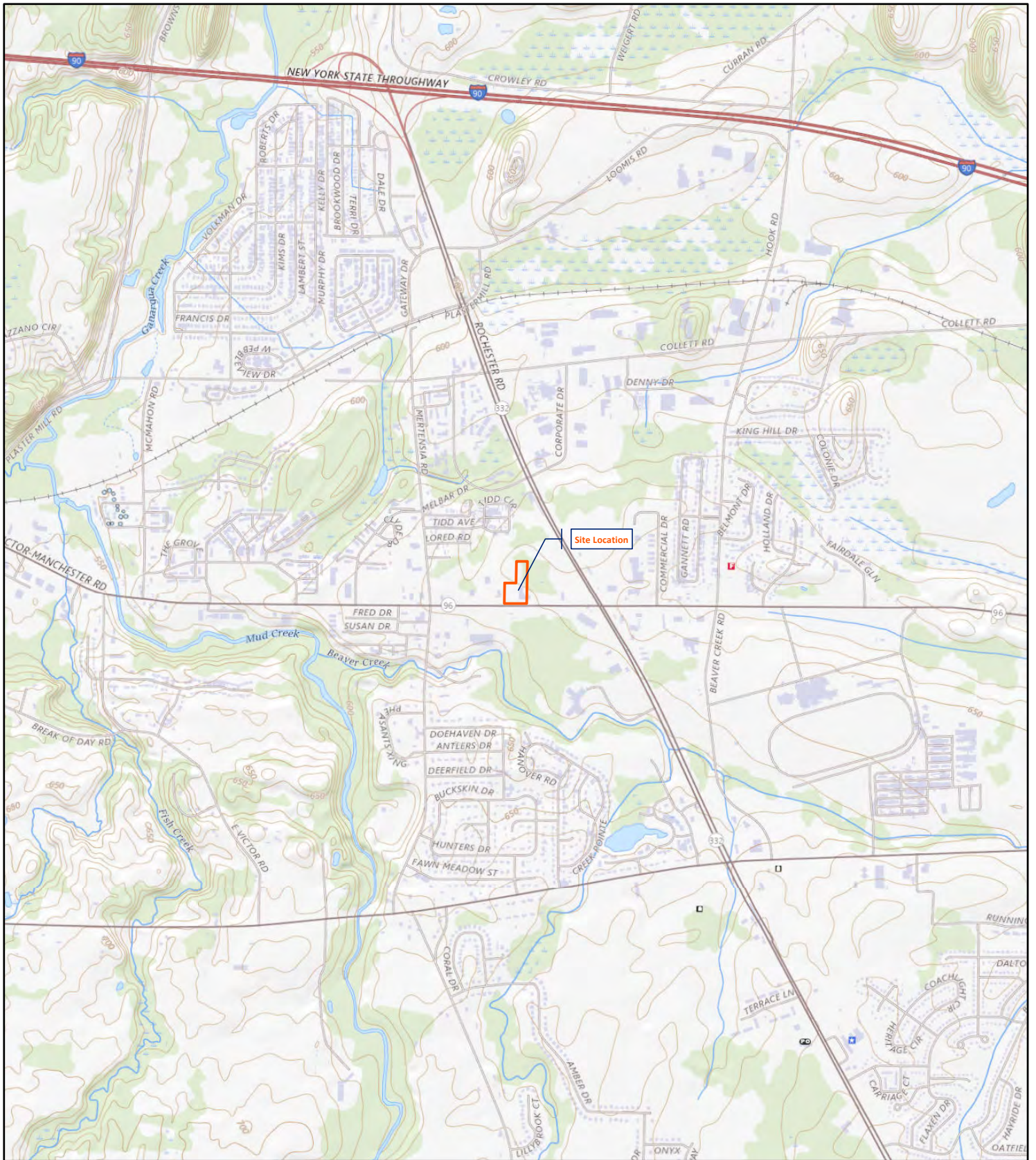


Based on post-remedial groundwater monitoring and sampling conducted to date, TCE and its degradation constituents cis-1,2-DCE, and vinyl chloride continue to exist in groundwater at the Site. Although fluctuations due to changing groundwater elevations are likely, contaminant concentrations in groundwater have continued to decrease over time.

The previously discussed Site-specific ICs and ECs for the Site continue to meet the remedial objectives while establishing protection of public health and the environment. The continued effectiveness of the ICs/ECs has allowed the remedial objectives at the Site to be met for this reporting period.

Based on the evidence of continued reductions in contaminant concentrations in groundwater, Lu Engineers recommends reducing the number of wells to be sampled for future reporting periods to a total of four (4) wells. Lu Engineers also recommends that periodic monitoring and reporting frequency be reduced to one (1) event every three (3) years. Therefore, if approved, the next sampling event and PRR submission would take place in 2025.





Scale 1:24,000

Contour Interval: 10 Feet

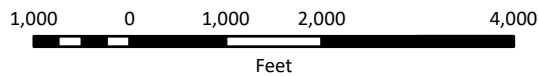


Figure 1. Site Location Map
 Former Griffin Technology Site (#C835008)
 6132 NYS Route 96

DATE: March 2022
PROJECT #: 50503
DRAWN/CHECKED: BGS/GLA
DATA SOURCE: ESRI online basemap

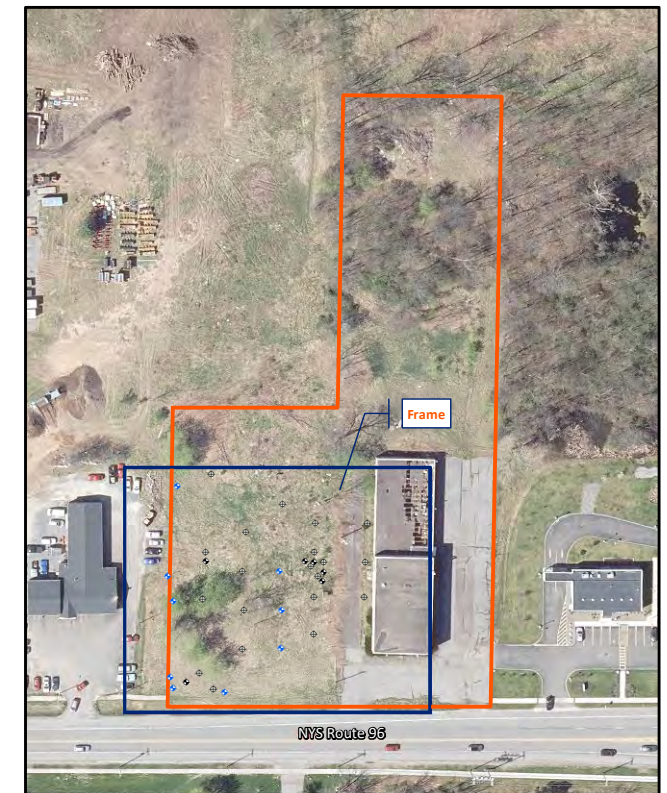


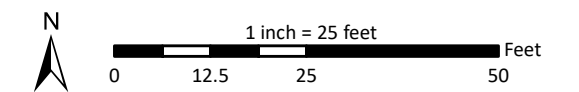
Figure 2:
 Site Plan

Project:
 Former Griffin Technology Site (#C835008)
 Periodic Review Report 2022

Location:
 6132 NYS Route 96
 Town of Farmington, Ontario County, NY

Legend

- Site Boundary
- + Observation/Monitoring Well
- ⊕ Injection Well
- ⊗ Unknown Well (Not Sampled)



Drawn/Checked By: BGS/GLA
 Lu Project Number: 50503-01
 Date: April 2022

- Notes:**
1. Coordinate System: NAD 1983 State Plane NY Central FIPS 3102 Feet
 2. Orthoimagery downloaded from Pictometry
 3. Scale: 1:300 (original document size 11"x17")

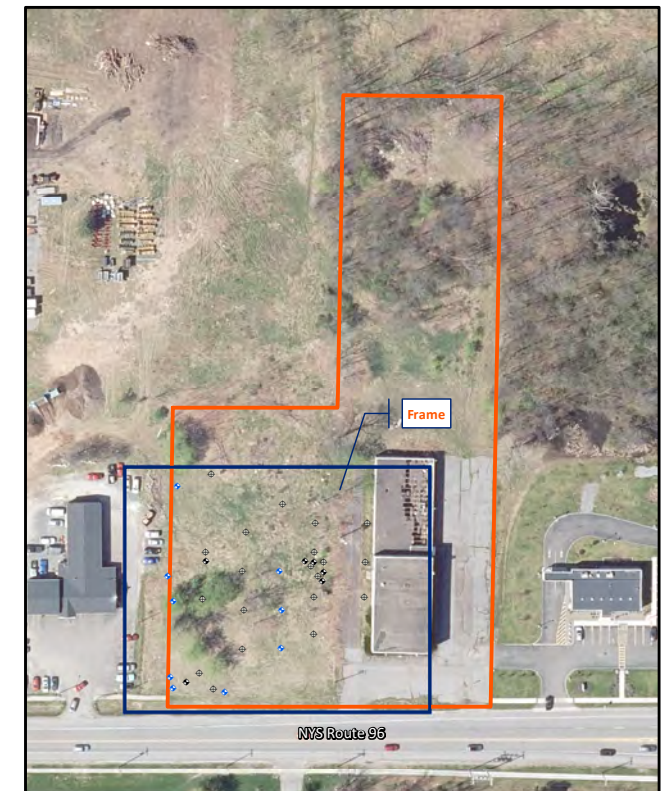
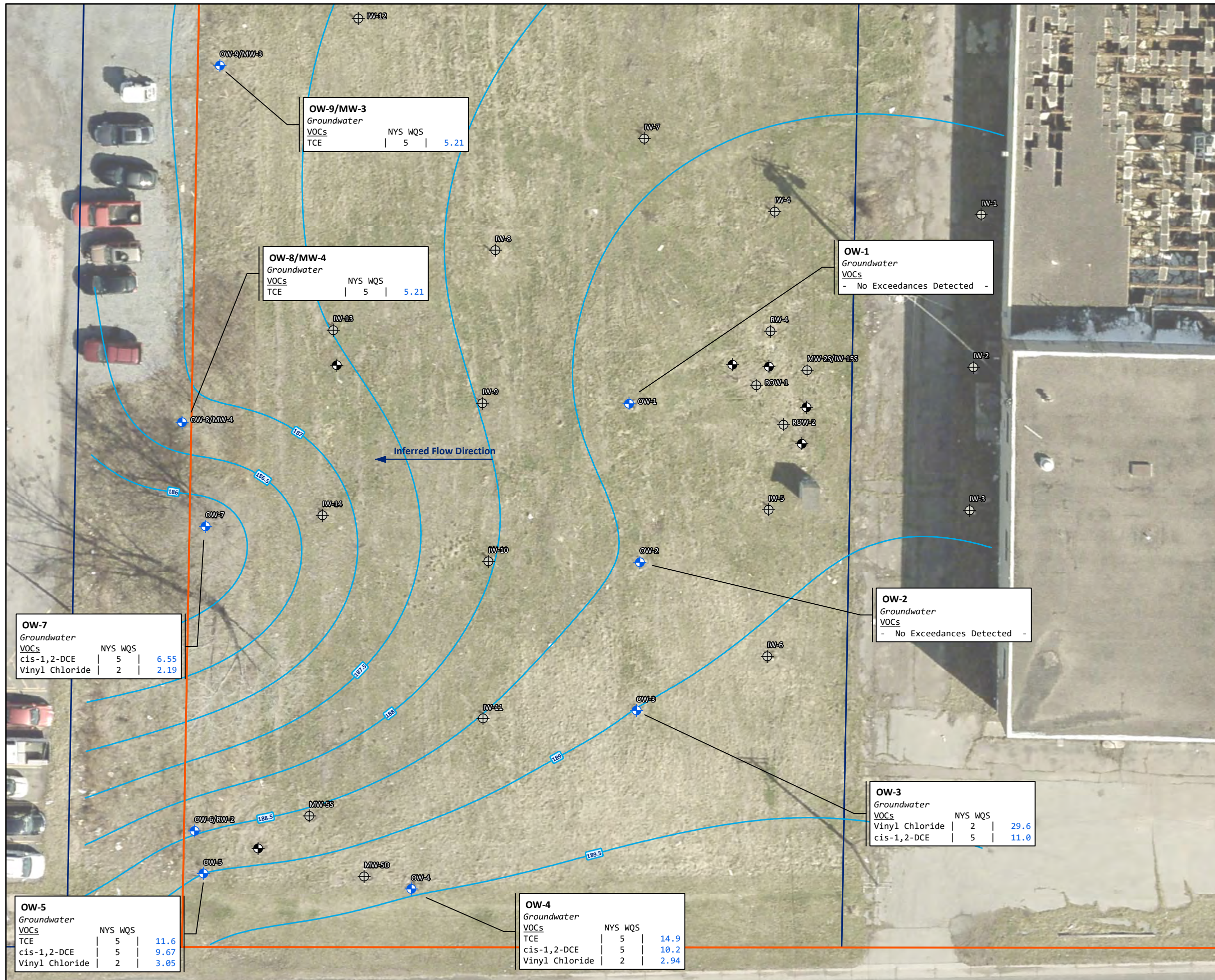


Figure 3:
 Groundwater Analytical Results

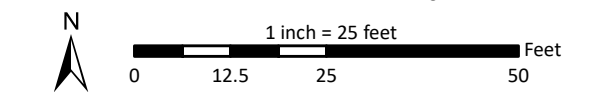
Project:
 Former Griffin Technology Site (#C835008)
 Periodic Review Report 2022

Location:
 6132 NYS Route 96
 Town of Farmington, Ontario County, NY

Legend

- Site Boundary
- + Observation/Monitoring Well
- ⊕ Injection Well
- ⊗ Unknown Well (Not Sampled)

NOTES:
 - BLUE TEXT indicates NYSDEC Part 703 Exceedance
 - Values presented in ppb.
 - Groundwater contour from 2018 due to well damage observed in 2022



Drawn/Checked By: BGS/GLA
 Lu Project Number: 50503-01
 Date: April 2022

Notes:
 1. Coordinate System: NAD 1983 State Plane NY Central FIPS 3102 Feet
 2. Orthoimagery downloaded from Pictometry
 3. Scale: 1:300 (original document size 11"x17")

Former Griffin Technology Site (#835008)
Groundwater Sample Analytical Results
Periodic Review Report 2022

Table 1. March 2022 Groundwater Sample Analytical Results

Detected Parameters:	Sample ID:	OW-1 (03/11/22)	OW-2 (03/11/22)	OW-3 (03/11/22)	OW-4 (03/11/22)	OW-5 (03/11/22)	OW-7 (03/11/22)	OW-8/MW-4 (03/11/22)	OW-9/MW-3 (03/11/22)
	Well Number:	OW-1	OW-2	OW-3	OW-4	OW-5	OW-7	OW-8/MW-4	OW-9/MW-3
	PID Wellhead Reading:	0.0 ppm	0.0 ppm	0.0 ppm	0.0 ppm	0.0 ppm	0.0 ppm	0.0 ppm	0.0 ppm
Volatile Organic Compounds (VOCs)	NYS Water Quality Standard	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q
1,1,1-Trichloroethane (TCA)	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1,2,2-Tetrachloroethane	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1,2-Trichloroethane	1.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethane (1,1 -DCA)	5.0	< 2.00	< 2.00	1.99 J	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,1-Dichloroethene (1,1 -DCE)	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,2,3-Trichlorobenzene	--	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
1,2,4-Trichlorobenzene	--	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
1,2-Dibromo-3-Chloropropane (DBCP)	0.04	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
1,2-Dibromoethane	--	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,2-Dichlorobenzene	3.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,2-Dichloroethane	0.6	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,2-Dichloropropane	1.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,3-Dichlorobenzene	3.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,4-Dichlorobenzene	3.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
1,4-Dioxane	5.0*	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Butanone (MEK)	50	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
2-Hexanone	50	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
4-Methyl-2-pentanone	--	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Acetone	50.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Benzene	1.0	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
Bromochloromethane	5.0	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromodichloromethane	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Bromoform	50.0	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bromomethane	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon disulfide	--	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Carbon Tetrachloride	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Chlorobenzene	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Chloroethane	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Chloroform	7.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Chloromethane	--	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
cis-1,2-Dichloroethene	5.0	< 2.00	1.47 J	11.0	10.2	9.67	6.55	2.24	3.22
cis-1,3-Dichloropropene	--	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Cyclohexane	--	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Dibromochloromethane	50.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Dichlorodifluoromethane (CFC 12)	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Ethylbenzene	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Freon 113	--	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Isopropylbenzene (Cumene)	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
m,p-Xylene	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Methyl acetate	--	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Methyl tert-butyl Ether	--	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Methylcyclohexane	--	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Methylene chloride	5.0	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
o-Xylene	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Styrene	5.0	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Tetrachloroethene (PCE)	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Toluene	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,2-Dichloroethene	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
trans-1,3-Dichloropropene	--	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Trichloroethene (TCE)	5.0	3.83	4.06	2.71	14.9	11.6	3.29	5.21	17.7
Trichlorofluoromethane (CFC 11)	5.0	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Vinyl chloride	2.0	< 2.00	< 2.00	29.6	2.94	3.05	2.19	1.40 J	1.95 J

Notes:
- All values presented in parts per billion (ppb)
< : Substance not identified above the minimum laboratory quantitation limit
Exceeds applicable groundwater quality standards

**Former Griffin Technology Site (#835008)
Groundwater Sample Analytical Results
Periodic Review Report 2022**

Table 2-1 Groundwater Results Trend - VOCs

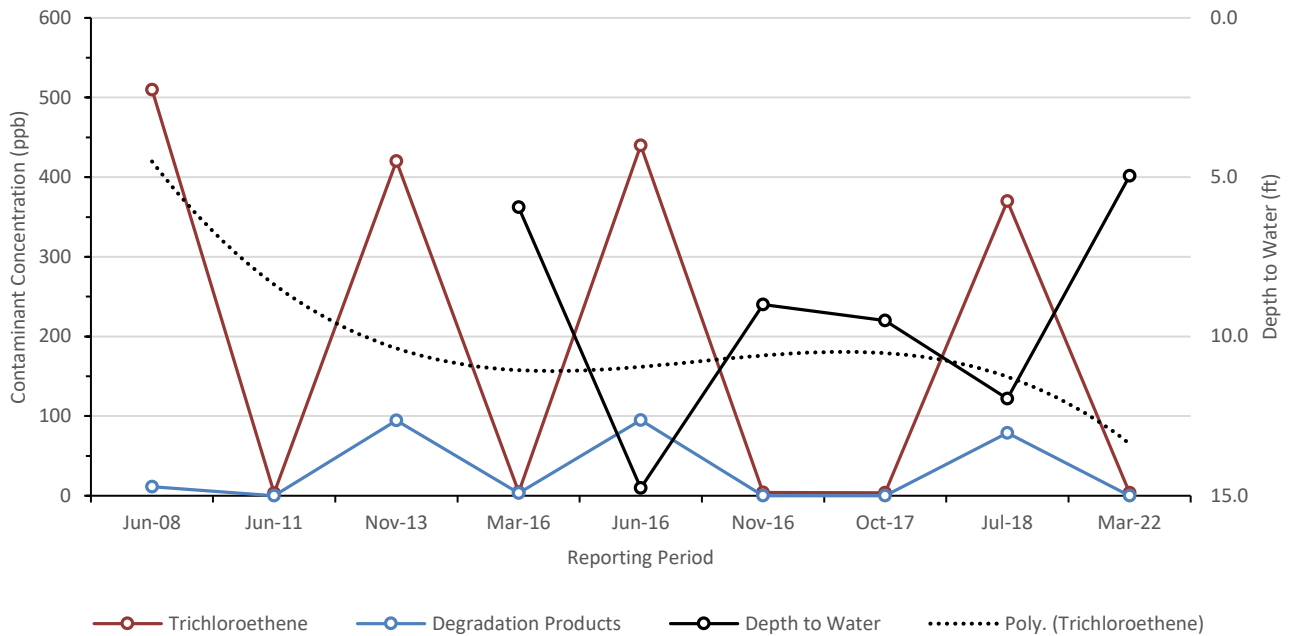
Detected Parameters ¹	NYS Groundwater Standard	OW-1								
		Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Mar-22
1,1,1-Trichloroethane	5.0	ND	ND	11.0	ND	10.0	ND	ND	7.4	ND
1,1-Dichloroethane	5.0	ND	ND	2.0	ND	1.5	ND	ND	1.5	ND
1,1-Dichloroethene	5.0	ND	ND	0.49 J	ND	0.50 J	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	6.3	ND	62	3.3	65	ND	ND	53	ND
Methylene Chloride	5.0	5.2	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	510	3.5	420	4.6	440	4.1	3.7	370	3.83
Vinyl Chloride	2.0	ND	ND	19.0	ND	18.0	ND	ND	17.0	ND

Result Exceeds NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

1 - Results presentend in ug/L or parts per billion (ppb)

*NYSDEC guidance value

J- Result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value



**Former Griffin Technology Site (#835008)
Groundwater Sample Analytical Results
Periodic Review Report 2022**

Table 2-2 Groundwater Results Trend- VOCs

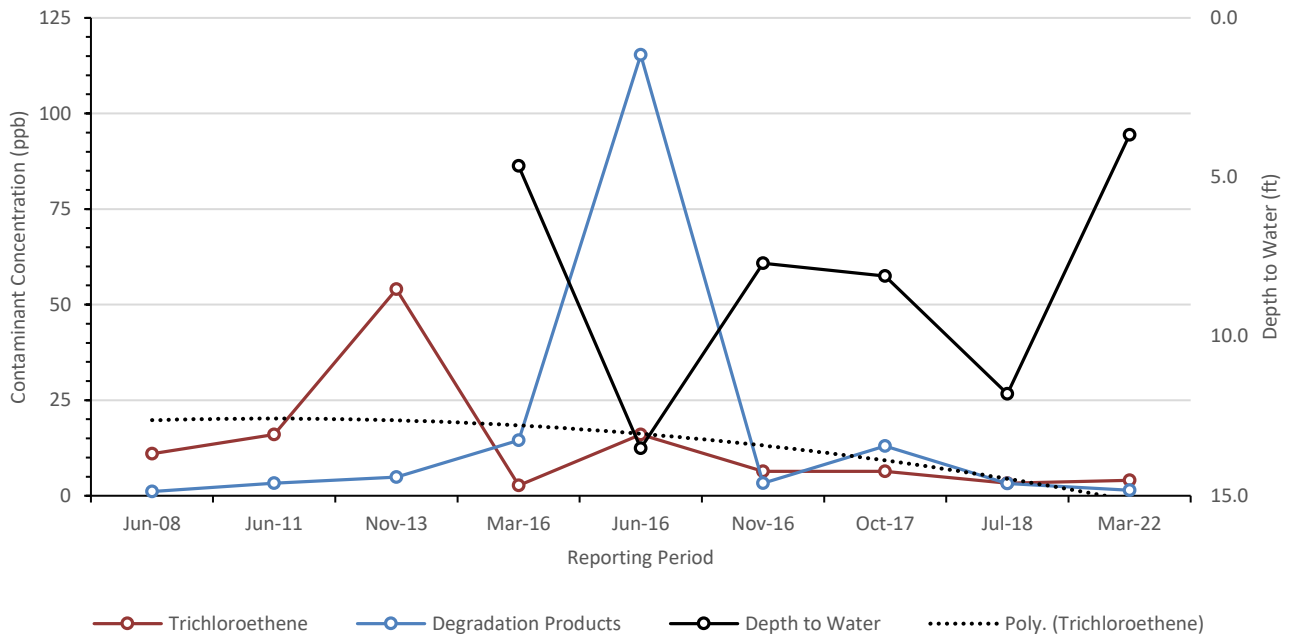
Detected Parameters ¹	NYS Groundwater Standard ²	OW-2								
		Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Mar-22
1,1,1-Trichloroethane	5.0	ND	ND	1.4	ND	3.6	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	2.7	ND	0.60 J	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	1.1 J	2.8	3.5	8.8	54	2.1	7.7	3.2	1.47 J
Methylene Chloride	5.0	ND	0.1	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	11	16	54	2.7	16	6.4	6.4	3.3	4.06
Vinyl Chloride	2.0	ND	0.35 J	ND	5.7	55	1.2	5.3	ND	ND

Result Exceeds NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

1 - Results presentend in ug/L or parts per billion (ppb)

*NYSDEC guidance value

J- Result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value



**Former Griffin Technology Site (#835008)
Groundwater Sample Analytical Results
Periodic Review Report 2022**

Table 2-3 Groundwater Results Trend - VOCs

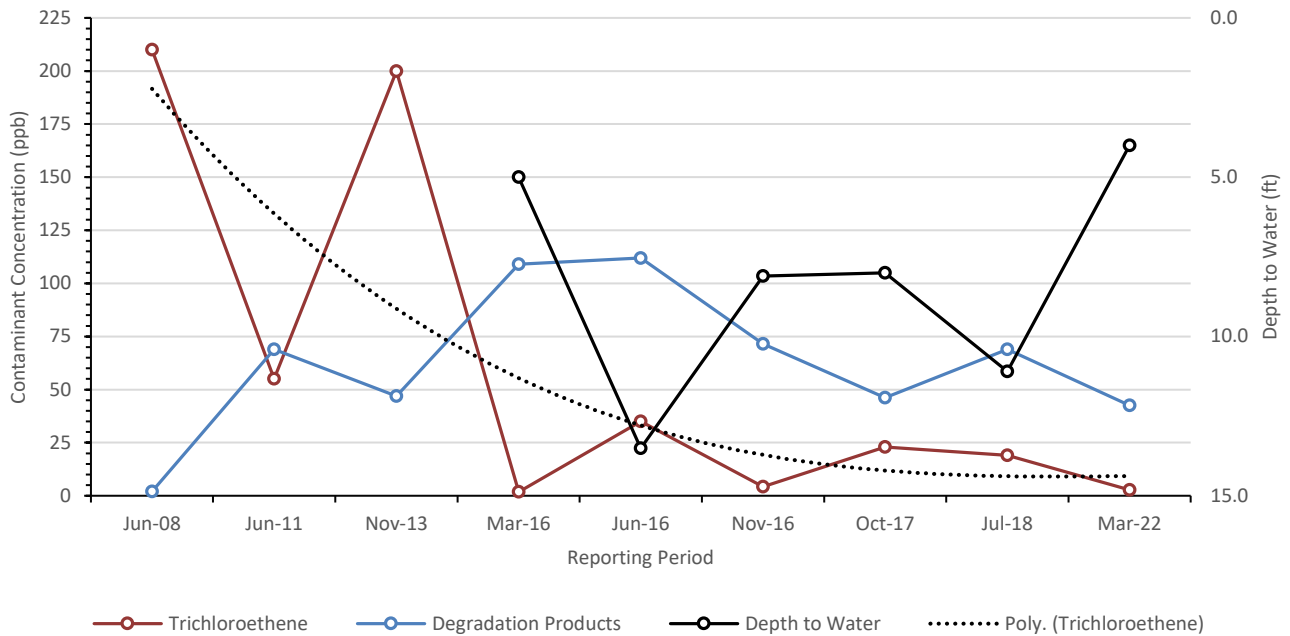
Detected Parameters ¹	NYS Groundwater Standard ²	OW-3								
		Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Mar-22
1,1,1-Trichloroethane	5.0	ND	3.3	5.2	0.93 J	3.2	1.1	1.2	1.4	ND
1,1-Dichloroethane	5.0	ND	1.4	0.9 J	3.1	2.4	3.4	2.6	2.2	1.99 J
1,1-Dichloroethene	5.0	ND	0.26 J	ND	ND	0.36 J	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	ND	47	31	22	69	19	24	37	11
Methylene Chloride	5.0	2.0 JB	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	210	55	200	1.8	35	4.2	23	19	2.71
Vinyl Chloride	2.0	ND	17	9.8	83	37	48	14	25	29.6

Result Exceeds NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

1 - Results presentend in ug/L or parts per billion (ppb)

*NYSDEC guidance value

J- Result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value



**Former Griffin Technology Site (#835008)
Groundwater Sample Analytical Results
Periodic Review Report 2022**

Table 2-4 Groundwater Results Trend- VOCs

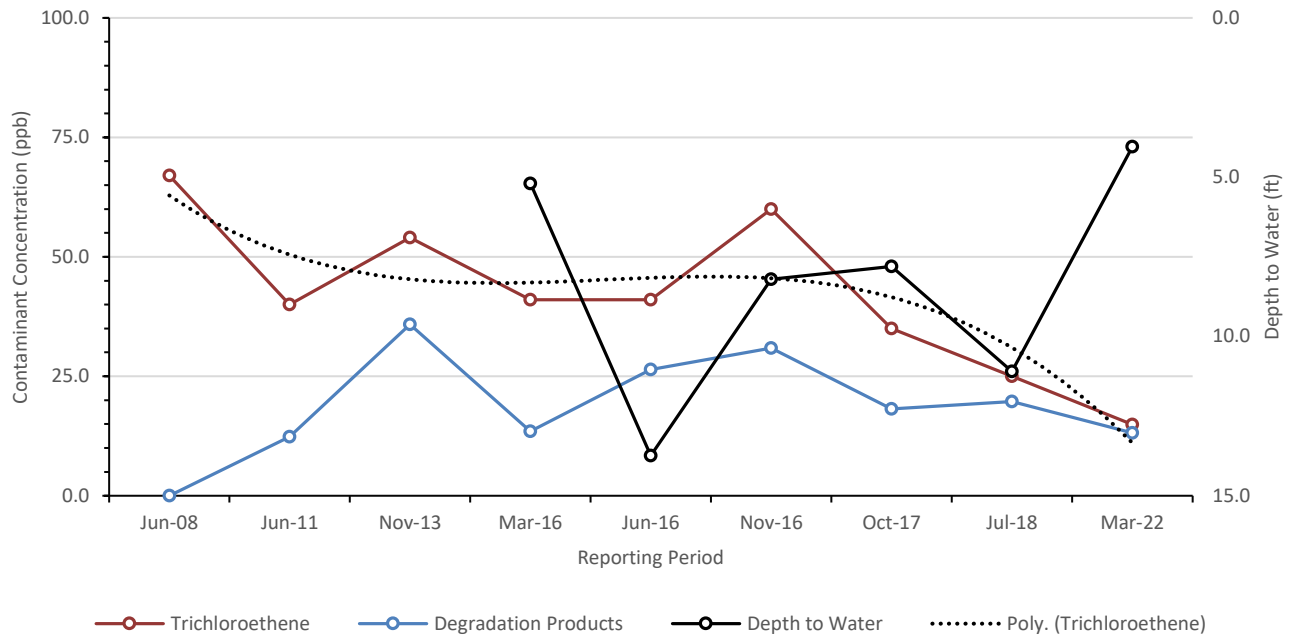
Detected Parameters ¹	NYS Groundwater Standard ²	OW-4								
		Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Mar-22
1,1,1-Trichloroethane	5.0	ND	1.6	2.0	1.1	1.3	1.8	1.2	ND	ND
1,1-Dichloroethane	5.0	ND	ND	0.95 J	ND	0.61 J	0.70 J	0.87 J	0.83	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	ND	8.3	23.0	11.0	16.0	19.0	11.0	10.0	10.2
Methylene Chloride	5.0	ND	0.11 JB	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	67.0	40.0	54.0	41.0	41.0	60.0	35.0	25.0	14.9
Vinyl Chloride	2.0	ND	2.3	9.9	1.4	8.5	9.4	5.1	4.4	2.9

Result Exceeds NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

1 - Results presentend in ug/L or parts per billion (ppb)

*NYSDEC guidance value

J- Result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value



**Former Griffin Technology Site (#835008)
Groundwater Sample Analytical Results
Periodic Review Report 2022**

Table 2-5 Groundwater Results Trend- VOCs

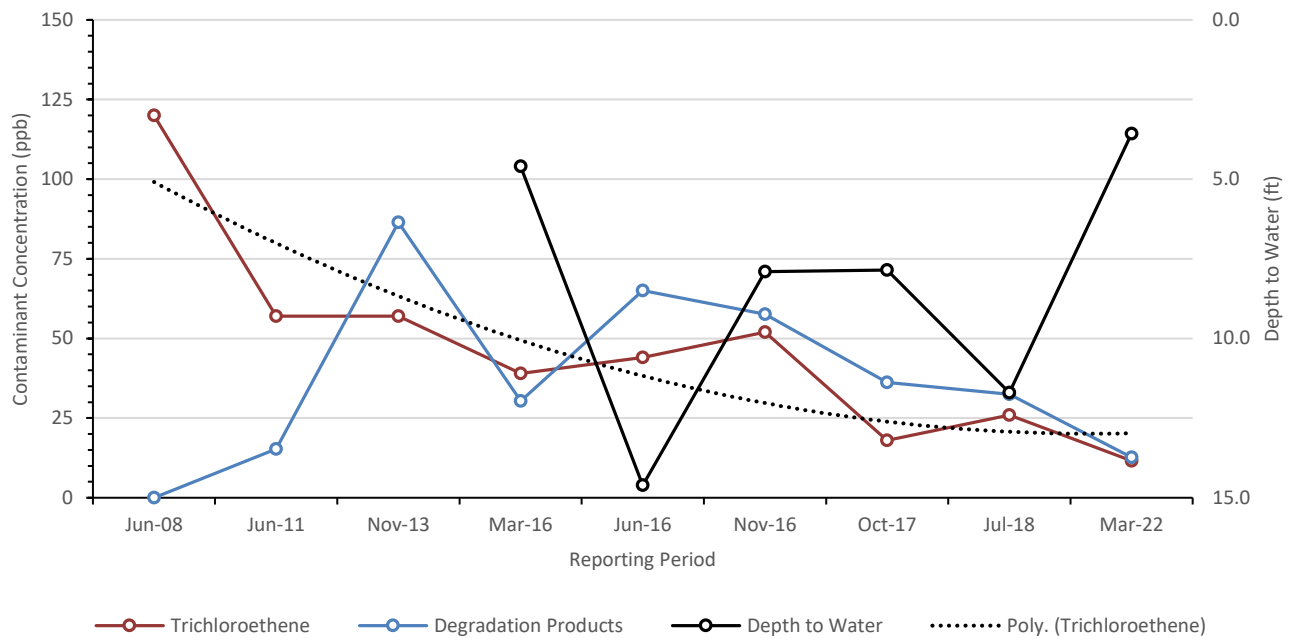
Detected Parameters ¹	NYS Groundwater Standard ²	OW-5								
		Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Mar-22
1,1,1-Trichloroethane	5.0	ND	1.7	1.6	1.3	1.3	1.5	ND	ND	ND
1,1-Dichloroethane	5.0	ND	0.65	2.5	0.86 J	1.7	2.1	1.3	1.4	ND
1,1-Dichloroethene	5.0	ND	ND	0.33 J	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	ND	11.0	52.0	19.0	39.0	33.0	19.0	19.0	9.67
Methylene Chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	120	57.0	57.0	39.0	44.0	52.0	18.0	26.0	11.6
Vinyl Chloride	2.0	ND	1.9	30.0	9.2	23.0	21.0	12.0	8.4	3.05

Result Exceeds NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

1 - Results present in ug/L or parts per billion (ppb)

*NYSDEC guidance value

J- Result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value



Former Griffin Technology Site (#835008)
Groundwater Sample Analytical Results
Periodic Review Report 2022

Table 2-6 Groundwater Results Trend- VOCs

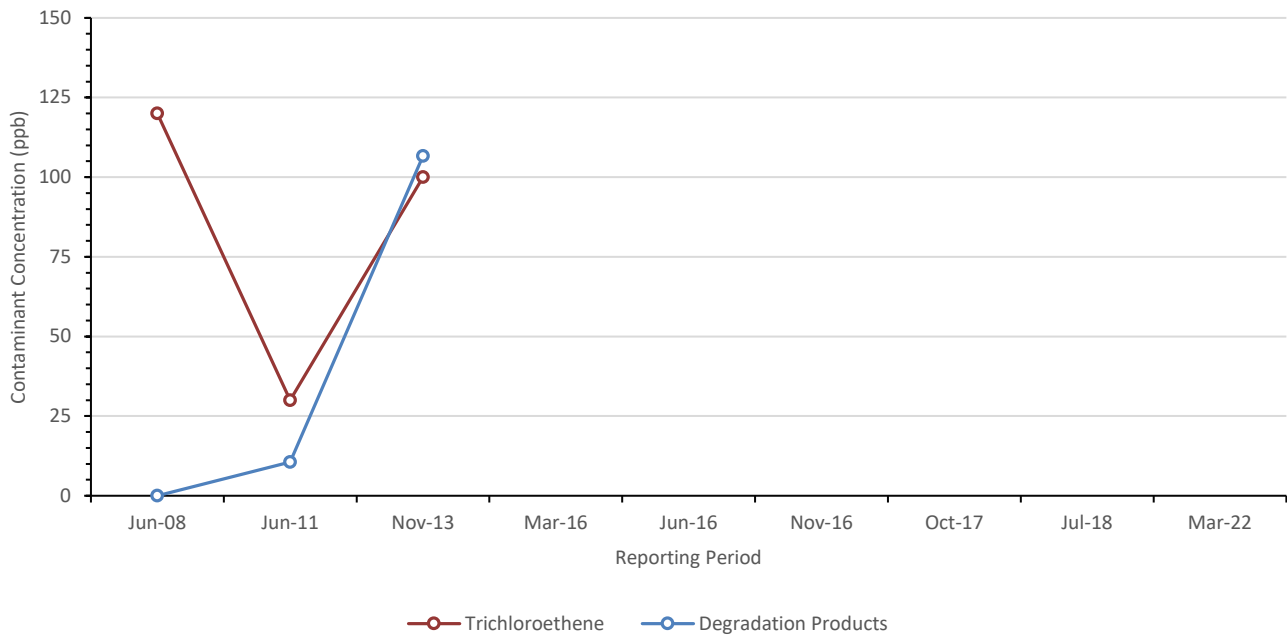
Detected Parameters ¹	NYS Groundwater Standard ²	OW-6/RW-2								
		Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Mar-22
1,1,1-Trichloroethane	5.0	ND	1.2	3.4	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	5.0	ND	ND	2.7	NS	NS	NS	NS	NS	NS
1,1-Dichloroethene	5.0	ND	ND	0.56 J	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	5.0	ND	7.7	67.0	NS	NS	NS	NS	NS	NS
Methylene Chloride	5.0	ND	0.13	ND	NS	NS	NS	NS	NS	NS
Trichloroethene	5.0	120	30.0	100	NS	NS	NS	NS	NS	NS
Vinyl Chloride	2.0	ND	1.5	33.0	NS	NS	NS	NS	NS	NS

Result Exceeds NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

1 - Results presentend in ug/L or parts per billion (ppb)

*NYSDEC guidance value

J- Result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value



**Former Griffin Technology Site (#835008)
Groundwater Sample Analytical Results
Periodic Review Report 2022**

Table 2-7 Groundwater Results Trend- VOCs

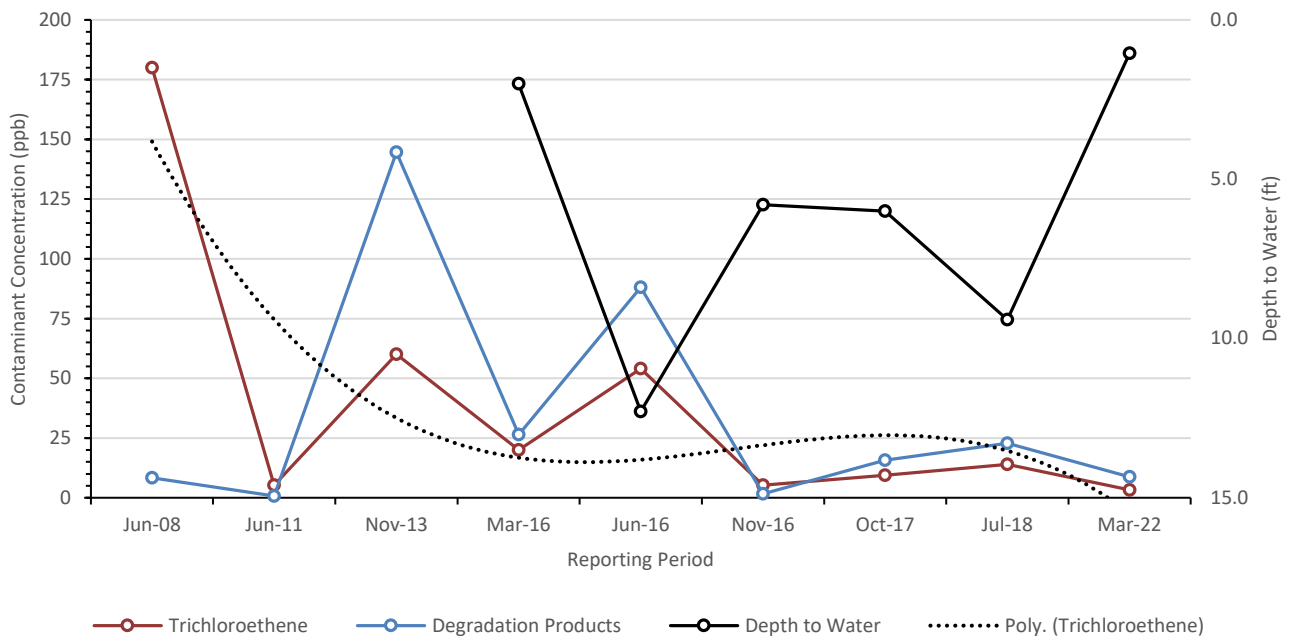
Detected Parameters ¹	NYS Groundwater Standard ²	OW-7								
		Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Mar-22
1,1,1-Trichloroethane	5.0	ND	ND	2.6	1.1	1.7	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	3.0	1.3	2.3	ND	0.55 J	0.17	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	5.7	0.75	65.0	24.0	43.0	1.7	7.7	10.0	6.55
Methylene Chloride	5.0	2.7 JB	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	180	5.2	60.0	20.0	54.0	5.3	9.4	14.0	3.29
Vinyl Chloride	2.0	ND	ND	74.0	ND	41.0	ND	3.5	8.6	2.19

Result Exceeds NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

1 - Results presentend in ug/L or parts per billion (ppb)

*NYSDEC guidance value

J- Result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value



**Former Griffin Technology Site (#835008)
Groundwater Sample Analytical Results
Periodic Review Report 2022**

Table 2-8 Groundwater Results Trend - VOCs

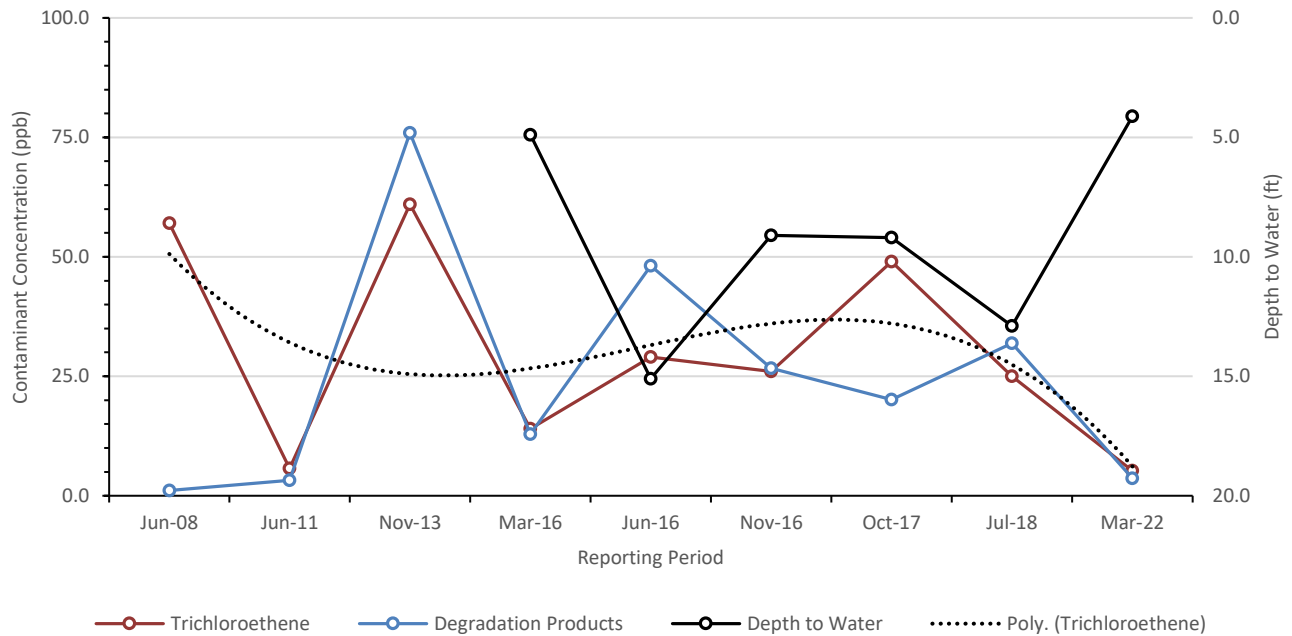
Detected Parameters ¹	NYS Groundwater Standard ²	OW-8/MW-4								
		Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Mar-22
1,1,1-Trichloroethane	5.0	ND	ND	1.0	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	0.95 J	ND	1.1	0.68 J	ND	0.91J	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	1.1 J	1.8	24.0	5.7	16.0	10.0	7.8	11.0	2.24
Methylene Chloride	5.0	ND	0.11 JB	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	57.0	5.7	61.0	14.0	29.0	26.0	49.0	25.0	5.21
Vinyl Chloride	2.0	ND	1.3	50.0	7.2	31.0	16.0	8.1	20.0	1.40 J

Result Exceeds NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

1 - Results presentend in ug/L or parts per billion (ppb)

*NYSDEC guidance value

J- Result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value



**Former Griffin Technology Site (#835008)
Groundwater Sample Analytical Results
Periodic Review Report 2022**

Table 2-9 Groundwater Results Trend- VOCs

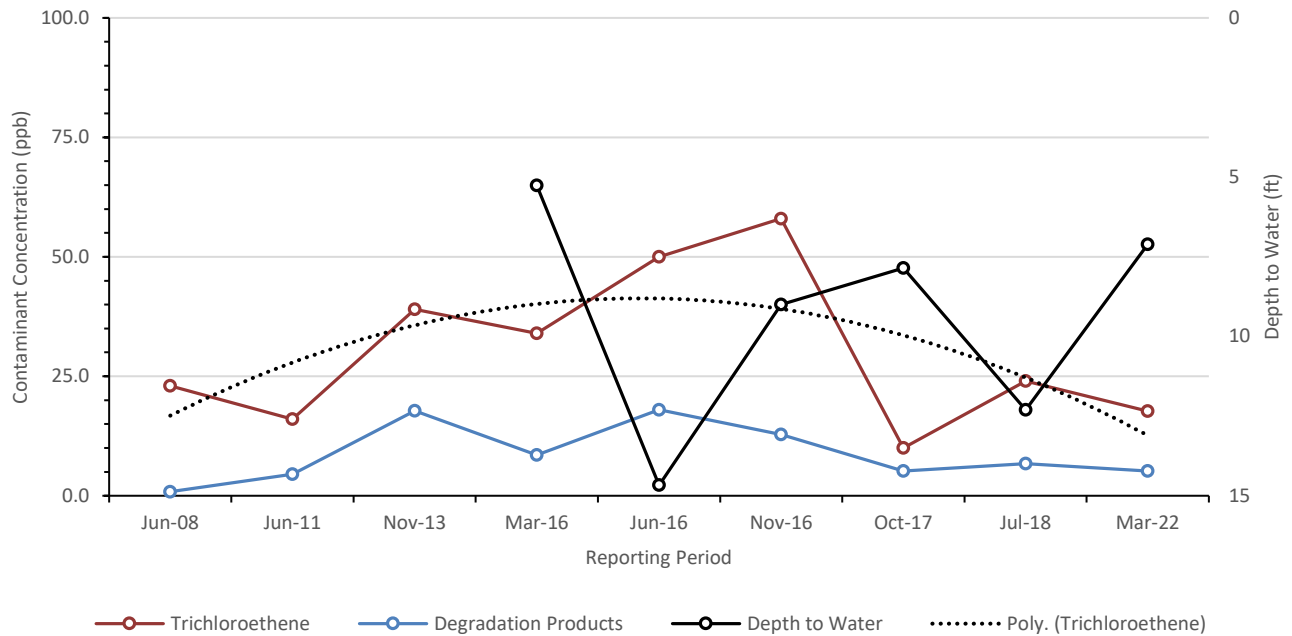
Detected Parameters ¹	NYS Groundwater Standard ²	OW-9/MW-3								
		Jun-08	Jun-11	Nov-13	Mar-16	Jun-16	Nov-16	Oct-17	Jul-18	Mar-22
1,1,1-Trichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5.0	0.85 J	3.0	12.0	3.9	8.4	7.6	ND	3.0	3.22
Methylene Chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5.0	23.0	16.0	39.0	34.0	50.0	58.0	10.0	24.0	17.7
Vinyl Chloride	2.0	ND	1.5	5.8	4.6	9.6	5.2	ND	3.7	1.95 J

Result Exceeds NYS Ambient Groundwater Standard or applicable NYSDEC Guidance Value

1 - Results presentend in ug/L or parts per billion (ppb)

*NYSDEC guidance value

J- Result is less than the RL, but greater than or equal to the MDL and the concentration is an approximate value



Attachment A

IC/EC Form

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the Certification cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7):

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.
- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the 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. C835008		
Site Name Former Griffin Technology Site		
Site Address: 6132 Victor Manchester Road Zip Code: 14425		
City/Town: Farmington		
County: Ontario		
Site Acreage: 3.640		
Reporting Period: September 15, 2010 to April 30, 2019		
		YES NO
1. Is the information above correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Box 2
		YES NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are all ICs/ECs in place and functioning as designed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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

Box 2A

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?

YES NO

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C835008

Box 3

Description of Institutional Controls

Parcel
29.00-1-12.00

Owner
ARFCOM Holdings, LLC

Institutional Control
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction
Site Management Plan

The potential for vapor intrusion for the existing building and/or any building(s) on the site must be evaluated, and mitigation implemented, if necessary, prior to occupancy of the structure(s).

Continued groundwater monitoring.

Public water is supplied to the site.

Site is restricted to commercial use only.

Groundwater use is ~~restricted~~ ^{restricted GWA} without approval from NYSDEC and NYSDOH.

Soils beneath the building footprint require evaluation if the building is demolished or excavation of those soils is initiated. Excavated soils intended to be removed from the site must be managed and characterized, and properly disposed of in accordance with NYSDEC regulations.

29.00-1-76.1 ARFCOM Holdings, LLC

Site Management Plan
Building Use Restriction
Ground Water Use Restriction
Soil Management Plan
Landuse Restriction

The potential for vapor intrusion for the existing building and/or any building(s) on the site must be evaluated, and mitigation implemented, if necessary, prior to occupancy of the structure(s).

Continued groundwater monitoring.

Public water is supplied to the site.

Site is restricted to commercial use only.

Groundwater use is ~~restricted~~ ^{restricted GWA} without approval from NYSDEC and NYSDOH.

Soils beneath the building footprint require evaluation if the building is demolished or excavation of those soils is initiated. Excavated soils intended to be removed from the site must be managed and characterized, and properly disposed of in accordance with NYSDEC regulations.

Box 4

Description of Engineering Controls

Parcel
29.00-1-76.1

Engineering Control

Vapor Mitigation

(if occupied building constructed in future) GWA

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO

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

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

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

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

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

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

YES NO

**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. C835008

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 Gregory L. Andrews, P.E. at 339 East Ave. Suite 200 Rochester, NY 14604
print name print business address

am certifying as Owner Representative (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

5/26/22
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

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

I Gregory L. Andrus, P.E. at 339 East Ave. Suite 200 Rochester, NY 14604
print name print business address

am certifying as a Professional ^{Geologist} Engineer for the Prospective Owner
(Owner or Remedial Party)

[Signature]
Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp
(Required for PE)

5/26/22
Date

Attachment B

Groundwater Sampling Logs

Low Flow Groundwater Sampling Field Record

 Project Name Former Griffin Site
 Location ID OW-1
 Activity Time 12:10

 Field Sample ID ow-1(03/11/22)
 Sample Time _____

 Job # 50503-01
 Sampling Event # __
 Date 03/ /2022

SAMPLING NOTES

 Initial Depth to Water 4.96 feet Measurement Point MWH
 Final Depth to Water 4.98 feet Well Depth 19.35 feet
 Screen Length _____ feet Pump Intake Depth _____
 Total Volume Purged _____ gallons PID Well Head _____
[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]
 Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth
 Purge Estimate: ~7 gallons

 Well Diameter 2"
 Well Integrity:
 Cap
 Casing
 Locked
 Collar

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
	4.96		7.0	7.16	1.97	5.33	0.81	160.4	
	—		7.2	7.07	1.54	4.91	0.78	158.6	
4.98	4.98		7.5	7.12	1.31	2.89	0.78	158.5	

 Purge Observations: _____
 Purge Water Containerized: No

EQUIPMENT DOCUMENTATION

 Type of Pump: PVC Bailer
 Type of Tubing: n/a
 Type of Water Quality Meter: YSI Pro Plus Quatro, LaMotte 2020 Calibrated: Yes

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	

LOCATION NOTES

Low Flow Groundwater Sampling Field Record

 Project Name Former Griffin Site
 Location ID OW-2
 Activity Time 11:30

 Job # 50503-01
 Field Sample ID OW-2 (03/11/22) Sampling Event # __
 Sample Time 12:05 PM Date 03/ /2022
SAMPLING NOTES

 Initial Depth to Water 3.67 feet Measurement Point Mark Well Diameter 2"
 Final Depth to Water 3.72 feet Well Depth 25.57 feet Well Integrity:
 Screen Length _____ feet Pump Intake Depth _____ Cap
 Total Volume Purged 11 gallons PID Well Head _____ Casing
(purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter) Locked
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar
 Purge Estimate: ~ 11 gallons

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
11:30	3.67		7.5	7.26	14.48	11.38	0.79	158.7	
11:50	-		8.1	7.15	12.17	3.88	0.84	159.6	
12:00	3.72		8.5	7.18	14.00	2.84	0.86	155.0	

 Purge Observations: _____
 Purge Water Containerized: No
EQUIPMENT DOCUMENTATION

 Type of Pump: PVC Bailer
 Type of Tubing: n/a
 Type of Water Quality Meter: YSI Pro Plus Quatro, LaMotte 2020 Calibrated: Yes
ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	

LOCATION NOTES

Low Flow Groundwater Sampling Field Record

 Project Name Former Griffin Site
 Location ID OW-3
 Activity Time 12:10

 Job # 50503-01
 Field Sample ID ow-3(03/11/22) Sampling Event # __
 Sample Time 12:35 Date 03/ /2022

SAMPLING NOTES

 Initial Depth to Water 4.00 feet Measurement Point Mark Well Diameter 2"
 Final Depth to Water 4.15 feet Well Depth 29.40 feet Well Integrity: _____
 Screen Length _____ feet Pump Intake Depth _____ Cap
 Total Volume Purged 12.5 gallons PID Well Head _____ Casing
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar
 Purge Estimate: ~12.5 gallons

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
12:15	4.00		9.6	7.08	1.91	21.3	0.96	139.3	
12:20	-		9.7	7.20	2.56	15.8	0.97	104.4	
12:30	4.15		10.0	7.09	1.44	7.33	1.44	79.6	

 Purge Observations: _____
 Purge Water Containerized: No

EQUIPMENT DOCUMENTATION

 Type of Pump: PVC Bailer
 Type of Tubing: n/a
 Type of Water Quality Meter: YSI Pro Plus Quatro, LaMotte 2020 Calibrated: Yes

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	

LOCATION NOTES

Low Flow Groundwater Sampling Field Record

 Project Name Former Griffin Site
 Location ID OW-4
 Activity Time 09:15

 Field Sample ID OW-4(03/11/22)
 Sample Time 09:45

 Job # 50503-01
 Sampling Event # __
 Date 03/ /2022

SAMPLING NOTES

 Initial Depth to Water 4.04 feet Measurement Point N
 Final Depth to Water 4.46 feet Well Depth 27.73 feet
 Screen Length _____ feet Pump Intake Depth N/A
 Total Volume Purged 11.5 gallons PID Well Head 0.0

 Well Diameter 2"
 Well Integrity:
 Cap
 Casing
 Locked
 Collar

[purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter]
 Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth
 Purge Estimate: 11.5 gallons

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
09:15	4.04		7.7	7.04	2.08	12.16	227.8	0.84	
09:30	—		9.4	7.28	2.25	30.5	0.83	214.0	
09:45	4.46		9.6	7.16	1.94	15.7	0.90	207.6	

 Purge Observations: Cloudy
 Purge Water Containerized: No

EQUIPMENT DOCUMENTATION

 Type of Pump: PVC Bailer
 Type of Tubing: n/a
 Type of Water Quality Meter: YSI Pro Plus Quatro, LaMotte 2020 Calibrated: Yes

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	<input checked="" type="checkbox"/>

LOCATION NOTES

Low Flow Groundwater Sampling Field Record

 Project Name Former Griffin Site
 Location ID DW-5
 Activity Time 9:05

 Field Sample ID DW-5
 Sample Time 9:50

 Job # 50503-01
 Sampling Event # __
 Date 03/ /2022

SAMPLING NOTES

 Initial Depth to Water 3.57 feet Measurement Point Mark Well Diameter 2"
 Final Depth to Water _____ feet Well Depth 29.28 feet Well Integrity: _____
 Screen Length _____ feet Pump Intake Depth _____ Cap X
 Total Volume Purged ~1 gallons PID Well Head 0.0 ppm Casing ✓
(purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter)
 Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth
 Purge Estimate: ~13 gallons Collar ✓

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
9:15	3.70		6.4	7.19	7.12	3.80	0.366	233.3	
9:35	3.9		9.3	7.17	3.28	9.69	0.97	214.7	
9:45	4.1		10.9	7.13	1.79	5.02	1.02	211.8	

 Purge Observations: Clear
 Purge Water Containerized: No

EQUIPMENT DOCUMENTATION

 Type of Pump: PVC Bailer
 Type of Tubing: n/a
 Type of Water Quality Meter: YSI Pro Plus Quatro, LaMotte 2020 Calibrated: Yes

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	✓
<u>MS/MSD</u>		

LOCATION NOTES

Low Flow Groundwater Sampling Field Record

 Project Name Former Griffin Site
 Location ID OW-7
 Activity Time 10:15

 Field Sample ID OW-7(03/11/22)
 Sample Time 10:35

 Job # 50503-01
 Sampling Event # __
 Date 03/ /2022

SAMPLING NOTES

 Initial Depth to Water 1.05 feet Measurement Point mark Well Diameter 6"
 Final Depth to Water _____ feet Well Depth 24.9 feet Well Integrity: _____
 Screen Length _____ feet Pump Intake Depth _____ Cap ✓
 Total Volume Purged 5 gallons PID Well Head _____ Casing ✓
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked ✓
 Volume of Water in casing – 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar ✓
 Purge Estimate: _____ gallons

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
10:15	1.25		7.7	7.34	6.26	9.45	0.89	114.6	
10:20	1.60		7.6	7.31	9.07	8.62	0.87	102.7	
10:25	2.00		7.4	7.30	13.21	6.32	0.79	95.0	

 Purge Observations: Faint odor
 Purge Water Containerized: No

EQUIPMENT DOCUMENTATION

 Type of Pump: PVC Bailer
 Type of Tubing: n/a
 Type of Water Quality Meter: YSI Pro Plus Quatro, LaMotte 2020 Calibrated: Yes

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	

LOCATION NOTES

Low Flow Groundwater Sampling Field Record

Project Name Former Griffin Site Job # 50503-01
 Location ID OW-8/MW-4 Field Sample ID OW-8/MW-4 (03/11/22) Sampling Event # __
 Activity Time 10:45 Sample Time _____ Date 03/ /2022

SAMPLING NOTES

Initial Depth to Water 4.12 feet Measurement Point Mark Well Diameter 2"
 Final Depth to Water 4.03 feet Well Depth 19.54 feet Well Integrity: _____
 Screen Length _____ feet Pump Intake Depth _____ Cap
 Total Volume Purged 7.5 gallons PID Well Head _____ Casing
 [purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter] Locked
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar
 Purge Estimate: ~7.5 gallons

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
10:50	4.12		7.7	7.17	1.83	3.87	0.016	127.3	
10:55			7.6	7.15	12.9	6:05	0.710	133.9	
11:00	4.03		7.9	7.25	18.3	3.13	0.167	139.1	

Purge Observations: _____
 Purge Water Containerized: No

EQUIPMENT DOCUMENTATION

Type of Pump: PVC Bailer
 Type of Tubing: n/a
 Type of Water Quality Meter: YSI Pro Plus Quatro, LaMotte 2020 Calibrated: Yes

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	<input checked="" type="checkbox"/>

LOCATION NOTES

Low Flow Groundwater Sampling Field Record

 Project Name Former Griffin Site
 Location ID OW-9/MW-3
 Activity Time 11:00

 Job # 50503-01
 Field Sample ID OW-9/MW-3(03/11/22) Sampling Event # __
 Sample Time 11:30 Date 03/ /2022

SAMPLING NOTES

 Initial Depth to Water 7.11 feet Measurement Point Mark Well Diameter 2"
 Final Depth to Water 7.89 feet Well Depth 19.30 feet Well Integrity: _____
 Screen Length _____ feet Pump Intake Depth _____ Cap
 Total Volume Purged 6 gallons PID Well Head 0.0 Casing
 (purge volume (milliliters per minute) x time duration (minutes) x 0.00026 gal/milliliter) Locked
 Volume of Water in casing - 2" diameter = 0.163 gallons per foot of depth, 4" diameter = 0.653 gallons per foot of depth Collar
 Purge Estimate: ~6 gallons

PURGE DATA

Time	Depth to Water (ft)	Purge Rate (ml/min)	Temp. (deg. C)	pH (units)	Dissolved O2 (mg/L)	Turbidity (NTU)	Cond. (mS/cm)	ORP (mV)	Comments
11:00	7.11		7.2	7.81	1.99	4.73	0.78	146.5	
11:15	—		8.5	7.37	2.17	9.94	0.78	149.4	
11:30	7.89		8.6	7.36	2.07	8.48	0.78	151.4	

 Purge Observations: Cloudy
 Purge Water Containerized: No

EQUIPMENT DOCUMENTATION

 Type of Pump: PVC Bailer
 Type of Tubing: n/a
 Type of Water Quality Meter: YSI Pro Plus Quatro, LaMotte 2020 Calibrated: Yes

ANALYTICAL PARAMETERS

Parameter	Volumes	Sample Collected
VOCs	2 x 40 ml	Yes

LOCATION NOTES

Attachment C

Laboratory Analytical Report



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Lu Engineers, Inc.

For Lab Project ID

221018

Referencing

50503

Prepared

Friday, March 18, 2022

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below:

Enclosed is a summary report; the complete ASP package will follow.

Emily Faumen

Certifies that this report has been approved by the Technical Director or Designee

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 221018

Client: **Lu Engineers, Inc.**

Project Reference: 50503

Sample Identifier: OW-1 (03/11/22)

Lab Sample ID: 221018-01

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		3/14/2022 12:08
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/14/2022 12:08
1,1,2-Trichloroethane	< 2.00	ug/L		3/14/2022 12:08
1,1-Dichloroethane	< 2.00	ug/L		3/14/2022 12:08
1,1-Dichloroethene	< 2.00	ug/L		3/14/2022 12:08
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/14/2022 12:08
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/14/2022 12:08
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/14/2022 12:08
1,2-Dibromoethane	< 2.00	ug/L		3/14/2022 12:08
1,2-Dichlorobenzene	< 2.00	ug/L		3/14/2022 12:08
1,2-Dichloroethane	< 2.00	ug/L		3/14/2022 12:08
1,2-Dichloropropane	< 2.00	ug/L		3/14/2022 12:08
1,3-Dichlorobenzene	< 2.00	ug/L		3/14/2022 12:08
1,4-Dichlorobenzene	< 2.00	ug/L		3/14/2022 12:08
1,4-Dioxane	< 10.0	ug/L		3/14/2022 12:08
2-Butanone	< 10.0	ug/L		3/14/2022 12:08
2-Hexanone	< 5.00	ug/L		3/14/2022 12:08
4-Methyl-2-pentanone	< 5.00	ug/L		3/14/2022 12:08
Acetone	< 10.0	ug/L		3/14/2022 12:08
Benzene	< 1.00	ug/L		3/14/2022 12:08
Bromochloromethane	< 5.00	ug/L		3/14/2022 12:08
Bromodichloromethane	< 2.00	ug/L		3/14/2022 12:08
Bromoform	< 5.00	ug/L		3/14/2022 12:08

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-1 (03/11/22)

Lab Sample ID: 221018-01

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Bromomethane	< 2.00	ug/L	3/14/2022 12:08
Carbon disulfide	< 2.00	ug/L	3/14/2022 12:08
Carbon Tetrachloride	< 2.00	ug/L	3/14/2022 12:08
Chlorobenzene	< 2.00	ug/L	3/14/2022 12:08
Chloroethane	< 2.00	ug/L	3/14/2022 12:08
Chloroform	< 2.00	ug/L	3/14/2022 12:08
Chloromethane	< 2.00	ug/L	3/14/2022 12:08
cis-1,2-Dichloroethene	< 2.00	ug/L	3/14/2022 12:08
cis-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022 12:08
Cyclohexane	< 10.0	ug/L	3/14/2022 12:08
Dibromochloromethane	< 2.00	ug/L	3/14/2022 12:08
Dichlorodifluoromethane	< 2.00	ug/L	3/14/2022 12:08
Ethylbenzene	< 2.00	ug/L	3/14/2022 12:08
Freon 113	< 2.00	ug/L	3/14/2022 12:08
Isopropylbenzene	< 2.00	ug/L	3/14/2022 12:08
m,p-Xylene	< 2.00	ug/L	3/14/2022 12:08
Methyl acetate	< 2.00	ug/L	3/14/2022 12:08
Methyl tert-butyl Ether	< 2.00	ug/L	3/14/2022 12:08
Methylcyclohexane	< 2.00	ug/L	3/14/2022 12:08
Methylene chloride	< 5.00	ug/L	3/14/2022 12:08
o-Xylene	< 2.00	ug/L	3/14/2022 12:08
Styrene	< 5.00	ug/L	3/14/2022 12:08
Tetrachloroethene	< 2.00	ug/L	3/14/2022 12:08
Toluene	< 2.00	ug/L	3/14/2022 12:08
trans-1,2-Dichloroethene	< 2.00	ug/L	3/14/2022 12:08

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-1 (03/11/22)

Lab Sample ID: 221018-01

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

trans-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022	12:08
Trichloroethene	3.83	ug/L	3/14/2022	12:08
Trichlorofluoromethane	< 2.00	ug/L	3/14/2022	12:08
Vinyl chloride	< 2.00	ug/L	3/14/2022	12:08

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	108	81.1 - 136		3/14/2022 12:08
4-Bromofluorobenzene	95.5	75.8 - 132		3/14/2022 12:08
Pentafluorobenzene	97.2	82 - 132		3/14/2022 12:08
Toluene-D8	102	64.6 - 137		3/14/2022 12:08

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z07746.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-2 (03/11/22)

Lab Sample ID: 221018-02

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		3/14/2022 12:28
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/14/2022 12:28
1,1,2-Trichloroethane	< 2.00	ug/L		3/14/2022 12:28
1,1-Dichloroethane	< 2.00	ug/L		3/14/2022 12:28
1,1-Dichloroethene	< 2.00	ug/L		3/14/2022 12:28
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/14/2022 12:28
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/14/2022 12:28
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/14/2022 12:28
1,2-Dibromoethane	< 2.00	ug/L		3/14/2022 12:28
1,2-Dichlorobenzene	< 2.00	ug/L		3/14/2022 12:28
1,2-Dichloroethane	< 2.00	ug/L		3/14/2022 12:28
1,2-Dichloropropane	< 2.00	ug/L		3/14/2022 12:28
1,3-Dichlorobenzene	< 2.00	ug/L		3/14/2022 12:28
1,4-Dichlorobenzene	< 2.00	ug/L		3/14/2022 12:28
1,4-Dioxane	< 10.0	ug/L		3/14/2022 12:28
2-Butanone	< 10.0	ug/L		3/14/2022 12:28
2-Hexanone	< 5.00	ug/L		3/14/2022 12:28
4-Methyl-2-pentanone	< 5.00	ug/L		3/14/2022 12:28
Acetone	< 10.0	ug/L		3/14/2022 12:28
Benzene	< 1.00	ug/L		3/14/2022 12:28
Bromochloromethane	< 5.00	ug/L		3/14/2022 12:28
Bromodichloromethane	< 2.00	ug/L		3/14/2022 12:28
Bromoform	< 5.00	ug/L		3/14/2022 12:28

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier:	OW-2 (03/11/22)			
Lab Sample ID:	221018-02		Date Sampled:	3/11/2022
Matrix:	Groundwater		Date Received:	3/11/2022
Bromomethane	< 2.00	ug/L		3/14/2022 12:28
Carbon disulfide	< 2.00	ug/L		3/14/2022 12:28
Carbon Tetrachloride	< 2.00	ug/L		3/14/2022 12:28
Chlorobenzene	< 2.00	ug/L		3/14/2022 12:28
Chloroethane	< 2.00	ug/L		3/14/2022 12:28
Chloroform	< 2.00	ug/L		3/14/2022 12:28
Chloromethane	< 2.00	ug/L		3/14/2022 12:28
cis-1,2-Dichloroethene	1.47	ug/L	J	3/14/2022 12:28
cis-1,3-Dichloropropene	< 2.00	ug/L		3/14/2022 12:28
Cyclohexane	< 10.0	ug/L		3/14/2022 12:28
Dibromochloromethane	< 2.00	ug/L		3/14/2022 12:28
Dichlorodifluoromethane	< 2.00	ug/L		3/14/2022 12:28
Ethylbenzene	< 2.00	ug/L		3/14/2022 12:28
Freon 113	< 2.00	ug/L		3/14/2022 12:28
Isopropylbenzene	< 2.00	ug/L		3/14/2022 12:28
m,p-Xylene	< 2.00	ug/L		3/14/2022 12:28
Methyl acetate	< 2.00	ug/L		3/14/2022 12:28
Methyl tert-butyl Ether	< 2.00	ug/L		3/14/2022 12:28
Methylcyclohexane	< 2.00	ug/L		3/14/2022 12:28
Methylene chloride	< 5.00	ug/L		3/14/2022 12:28
o-Xylene	< 2.00	ug/L		3/14/2022 12:28
Styrene	< 5.00	ug/L		3/14/2022 12:28
Tetrachloroethene	< 2.00	ug/L		3/14/2022 12:28
Toluene	< 2.00	ug/L		3/14/2022 12:28
trans-1,2-Dichloroethene	< 2.00	ug/L		3/14/2022 12:28

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Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-2 (03/11/22)

Lab Sample ID: 221018-02

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

trans-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022	12:28
Trichloroethene	4.06	ug/L	3/14/2022	12:28
Trichlorofluoromethane	< 2.00	ug/L	3/14/2022	12:28
Vinyl chloride	< 2.00	ug/L	3/14/2022	12:28

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	104	81.1 - 136		3/14/2022 12:28
4-Bromofluorobenzene	90.0	75.8 - 132		3/14/2022 12:28
Pentafluorobenzene	98.0	82 - 132		3/14/2022 12:28
Toluene-D8	103	64.6 - 137		3/14/2022 12:28

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z07747.D

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Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-3 (03/11/22)

Lab Sample ID: 221018-03

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		3/14/2022 12:47
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/14/2022 12:47
1,1,2-Trichloroethane	< 2.00	ug/L		3/14/2022 12:47
1,1-Dichloroethane	1.99	ug/L	J	3/14/2022 12:47
1,1-Dichloroethene	< 2.00	ug/L		3/14/2022 12:47
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/14/2022 12:47
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/14/2022 12:47
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/14/2022 12:47
1,2-Dibromoethane	< 2.00	ug/L		3/14/2022 12:47
1,2-Dichlorobenzene	< 2.00	ug/L		3/14/2022 12:47
1,2-Dichloroethane	< 2.00	ug/L		3/14/2022 12:47
1,2-Dichloropropane	< 2.00	ug/L		3/14/2022 12:47
1,3-Dichlorobenzene	< 2.00	ug/L		3/14/2022 12:47
1,4-Dichlorobenzene	< 2.00	ug/L		3/14/2022 12:47
1,4-Dioxane	< 10.0	ug/L		3/14/2022 12:47
2-Butanone	< 10.0	ug/L		3/14/2022 12:47
2-Hexanone	< 5.00	ug/L		3/14/2022 12:47
4-Methyl-2-pentanone	< 5.00	ug/L		3/14/2022 12:47
Acetone	< 10.0	ug/L		3/14/2022 12:47
Benzene	< 1.00	ug/L		3/14/2022 12:47
Bromochloromethane	< 5.00	ug/L		3/14/2022 12:47
Bromodichloromethane	< 2.00	ug/L		3/14/2022 12:47
Bromoform	< 5.00	ug/L		3/14/2022 12:47

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Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier:	OW-3 (03/11/22)		
Lab Sample ID:	221018-03	Date Sampled:	3/11/2022
Matrix:	Groundwater	Date Received:	3/11/2022
Bromomethane	< 2.00	ug/L	3/14/2022 12:47
Carbon disulfide	< 2.00	ug/L	3/14/2022 12:47
Carbon Tetrachloride	< 2.00	ug/L	3/14/2022 12:47
Chlorobenzene	< 2.00	ug/L	3/14/2022 12:47
Chloroethane	< 2.00	ug/L	3/14/2022 12:47
Chloroform	< 2.00	ug/L	3/14/2022 12:47
Chloromethane	< 2.00	ug/L	3/14/2022 12:47
cis-1,2-Dichloroethene	11.0	ug/L	3/14/2022 12:47
cis-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022 12:47
Cyclohexane	< 10.0	ug/L	3/14/2022 12:47
Dibromochloromethane	< 2.00	ug/L	3/14/2022 12:47
Dichlorodifluoromethane	< 2.00	ug/L	3/14/2022 12:47
Ethylbenzene	< 2.00	ug/L	3/14/2022 12:47
Freon 113	< 2.00	ug/L	3/14/2022 12:47
Isopropylbenzene	< 2.00	ug/L	3/14/2022 12:47
m,p-Xylene	< 2.00	ug/L	3/14/2022 12:47
Methyl acetate	< 2.00	ug/L	3/14/2022 12:47
Methyl tert-butyl Ether	< 2.00	ug/L	3/14/2022 12:47
Methylcyclohexane	< 2.00	ug/L	3/14/2022 12:47
Methylene chloride	< 5.00	ug/L	3/14/2022 12:47
o-Xylene	< 2.00	ug/L	3/14/2022 12:47
Styrene	< 5.00	ug/L	3/14/2022 12:47
Tetrachloroethene	< 2.00	ug/L	3/14/2022 12:47
Toluene	< 2.00	ug/L	3/14/2022 12:47
trans-1,2-Dichloroethene	< 2.00	ug/L	3/14/2022 12:47

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Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-3 (03/11/22)

Lab Sample ID: 221018-03

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

trans-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022	12:47
Trichloroethene	2.71	ug/L	3/14/2022	12:47
Trichlorofluoromethane	< 2.00	ug/L	3/14/2022	12:47
Vinyl chloride	29.6	ug/L	3/14/2022	12:47

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	106	81.1 - 136		3/14/2022 12:47
4-Bromofluorobenzene	89.9	75.8 - 132		3/14/2022 12:47
Pentafluorobenzene	97.3	82 - 132		3/14/2022 12:47
Toluene-D8	105	64.6 - 137		3/14/2022 12:47

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z07748.D

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Lab Project ID: 221018

Client: **Lu Engineers, Inc.**

Project Reference: 50503

Sample Identifier: OW-4 (03/11/22)

Lab Sample ID: 221018-04

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		3/14/2022 13:06
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/14/2022 13:06
1,1,2-Trichloroethane	< 2.00	ug/L		3/14/2022 13:06
1,1-Dichloroethane	< 2.00	ug/L		3/14/2022 13:06
1,1-Dichloroethene	< 2.00	ug/L		3/14/2022 13:06
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/14/2022 13:06
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/14/2022 13:06
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/14/2022 13:06
1,2-Dibromoethane	< 2.00	ug/L		3/14/2022 13:06
1,2-Dichlorobenzene	< 2.00	ug/L		3/14/2022 13:06
1,2-Dichloroethane	< 2.00	ug/L		3/14/2022 13:06
1,2-Dichloropropane	< 2.00	ug/L		3/14/2022 13:06
1,3-Dichlorobenzene	< 2.00	ug/L		3/14/2022 13:06
1,4-Dichlorobenzene	< 2.00	ug/L		3/14/2022 13:06
1,4-Dioxane	< 10.0	ug/L		3/14/2022 13:06
2-Butanone	< 10.0	ug/L		3/14/2022 13:06
2-Hexanone	< 5.00	ug/L		3/14/2022 13:06
4-Methyl-2-pentanone	< 5.00	ug/L		3/14/2022 13:06
Acetone	< 10.0	ug/L		3/14/2022 13:06
Benzene	< 1.00	ug/L		3/14/2022 13:06
Bromochloromethane	< 5.00	ug/L		3/14/2022 13:06
Bromodichloromethane	< 2.00	ug/L		3/14/2022 13:06
Bromoform	< 5.00	ug/L		3/14/2022 13:06

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Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-4 (03/11/22)

Lab Sample ID: 221018-04

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Bromomethane	< 2.00	ug/L	3/14/2022 13:06
Carbon disulfide	< 2.00	ug/L	3/14/2022 13:06
Carbon Tetrachloride	< 2.00	ug/L	3/14/2022 13:06
Chlorobenzene	< 2.00	ug/L	3/14/2022 13:06
Chloroethane	< 2.00	ug/L	3/14/2022 13:06
Chloroform	< 2.00	ug/L	3/14/2022 13:06
Chloromethane	< 2.00	ug/L	3/14/2022 13:06
cis-1,2-Dichloroethene	10.2	ug/L	3/14/2022 13:06
cis-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022 13:06
Cyclohexane	< 10.0	ug/L	3/14/2022 13:06
Dibromochloromethane	< 2.00	ug/L	3/14/2022 13:06
Dichlorodifluoromethane	< 2.00	ug/L	3/14/2022 13:06
Ethylbenzene	< 2.00	ug/L	3/14/2022 13:06
Freon 113	< 2.00	ug/L	3/14/2022 13:06
Isopropylbenzene	< 2.00	ug/L	3/14/2022 13:06
m,p-Xylene	< 2.00	ug/L	3/14/2022 13:06
Methyl acetate	< 2.00	ug/L	3/14/2022 13:06
Methyl tert-butyl Ether	< 2.00	ug/L	3/14/2022 13:06
Methylcyclohexane	< 2.00	ug/L	3/14/2022 13:06
Methylene chloride	< 5.00	ug/L	3/14/2022 13:06
o-Xylene	< 2.00	ug/L	3/14/2022 13:06
Styrene	< 5.00	ug/L	3/14/2022 13:06
Tetrachloroethene	< 2.00	ug/L	3/14/2022 13:06
Toluene	< 2.00	ug/L	3/14/2022 13:06
trans-1,2-Dichloroethene	< 2.00	ug/L	3/14/2022 13:06

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Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-4 (03/11/22)

Lab Sample ID: 221018-04

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

trans-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022	13:06
Trichloroethene	14.9	ug/L	3/14/2022	13:06
Trichlorofluoromethane	< 2.00	ug/L	3/14/2022	13:06
Vinyl chloride	2.94	ug/L	3/14/2022	13:06

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	102	81.1 - 136		3/14/2022 13:06
4-Bromofluorobenzene	94.3	75.8 - 132		3/14/2022 13:06
Pentafluorobenzene	95.4	82 - 132		3/14/2022 13:06
Toluene-D8	103	64.6 - 137		3/14/2022 13:06

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z07749.D

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Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-5 (03/11/22)

Lab Sample ID: 221018-05

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		3/14/2022 13:26
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/14/2022 13:26
1,1,2-Trichloroethane	< 2.00	ug/L		3/14/2022 13:26
1,1-Dichloroethane	< 2.00	ug/L		3/14/2022 13:26
1,1-Dichloroethene	< 2.00	ug/L		3/14/2022 13:26
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/14/2022 13:26
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/14/2022 13:26
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/14/2022 13:26
1,2-Dibromoethane	< 2.00	ug/L		3/14/2022 13:26
1,2-Dichlorobenzene	< 2.00	ug/L		3/14/2022 13:26
1,2-Dichloroethane	< 2.00	ug/L		3/14/2022 13:26
1,2-Dichloropropane	< 2.00	ug/L		3/14/2022 13:26
1,3-Dichlorobenzene	< 2.00	ug/L		3/14/2022 13:26
1,4-Dichlorobenzene	< 2.00	ug/L		3/14/2022 13:26
1,4-Dioxane	< 10.0	ug/L		3/14/2022 13:26
2-Butanone	< 10.0	ug/L		3/14/2022 13:26
2-Hexanone	< 5.00	ug/L		3/14/2022 13:26
4-Methyl-2-pentanone	< 5.00	ug/L		3/14/2022 13:26
Acetone	< 10.0	ug/L		3/14/2022 13:26
Benzene	< 1.00	ug/L		3/14/2022 13:26
Bromochloromethane	< 5.00	ug/L		3/14/2022 13:26
Bromodichloromethane	< 2.00	ug/L		3/14/2022 13:26
Bromoform	< 5.00	ug/L		3/14/2022 13:26

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Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier:	OW-5 (03/11/22)		
Lab Sample ID:	221018-05	Date Sampled:	3/11/2022
Matrix:	Groundwater	Date Received:	3/11/2022

Bromomethane	< 2.00	ug/L	3/14/2022 13:26
Carbon disulfide	< 2.00	ug/L	3/14/2022 13:26
Carbon Tetrachloride	< 2.00	ug/L	3/14/2022 13:26
Chlorobenzene	< 2.00	ug/L	3/14/2022 13:26
Chloroethane	< 2.00	ug/L	3/14/2022 13:26
Chloroform	< 2.00	ug/L	3/14/2022 13:26
Chloromethane	< 2.00	ug/L	3/14/2022 13:26
cis-1,2-Dichloroethene	9.67	ug/L	3/14/2022 13:26
cis-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022 13:26
Cyclohexane	< 10.0	ug/L	3/14/2022 13:26
Dibromochloromethane	< 2.00	ug/L	3/14/2022 13:26
Dichlorodifluoromethane	< 2.00	ug/L	3/14/2022 13:26
Ethylbenzene	< 2.00	ug/L	3/14/2022 13:26
Freon 113	< 2.00	ug/L	3/14/2022 13:26
Isopropylbenzene	< 2.00	ug/L	3/14/2022 13:26
m,p-Xylene	< 2.00	ug/L	3/14/2022 13:26
Methyl acetate	< 2.00	ug/L	3/14/2022 13:26
Methyl tert-butyl Ether	< 2.00	ug/L	3/14/2022 13:26
Methylcyclohexane	< 2.00	ug/L	3/14/2022 13:26
Methylene chloride	< 5.00	ug/L	3/14/2022 13:26
o-Xylene	< 2.00	ug/L	3/14/2022 13:26
Styrene	< 5.00	ug/L	3/14/2022 13:26
Tetrachloroethene	< 2.00	ug/L	3/14/2022 13:26
Toluene	< 2.00	ug/L	3/14/2022 13:26
trans-1,2-Dichloroethene	< 2.00	ug/L	3/14/2022 13:26

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Lab Project ID: 221018

Client: **Lu Engineers, Inc.**

Project Reference: 50503

Sample Identifier: OW-5 (03/11/22)

Lab Sample ID: 221018-05

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

trans-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022	13:26
Trichloroethene	11.6	ug/L	3/14/2022	13:26
Trichlorofluoromethane	< 2.00	ug/L	3/14/2022	13:26
Vinyl chloride	3.05	ug/L	3/14/2022	13:26

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	102	81.1 - 136		3/14/2022 13:26
4-Bromofluorobenzene	94.1	75.8 - 132		3/14/2022 13:26
Pentafluorobenzene	95.0	82 - 132		3/14/2022 13:26
Toluene-D8	102	64.6 - 137		3/14/2022 13:26

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z07750.D

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Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-7 (03/11/22)

Lab Sample ID: 221018-06

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		3/14/2022 13:45
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/14/2022 13:45
1,1,2-Trichloroethane	< 2.00	ug/L		3/14/2022 13:45
1,1-Dichloroethane	< 2.00	ug/L		3/14/2022 13:45
1,1-Dichloroethene	< 2.00	ug/L		3/14/2022 13:45
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/14/2022 13:45
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/14/2022 13:45
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/14/2022 13:45
1,2-Dibromoethane	< 2.00	ug/L		3/14/2022 13:45
1,2-Dichlorobenzene	< 2.00	ug/L		3/14/2022 13:45
1,2-Dichloroethane	< 2.00	ug/L		3/14/2022 13:45
1,2-Dichloropropane	< 2.00	ug/L		3/14/2022 13:45
1,3-Dichlorobenzene	< 2.00	ug/L		3/14/2022 13:45
1,4-Dichlorobenzene	< 2.00	ug/L		3/14/2022 13:45
1,4-Dioxane	< 10.0	ug/L		3/14/2022 13:45
2-Butanone	< 10.0	ug/L		3/14/2022 13:45
2-Hexanone	< 5.00	ug/L		3/14/2022 13:45
4-Methyl-2-pentanone	< 5.00	ug/L		3/14/2022 13:45
Acetone	< 10.0	ug/L		3/14/2022 13:45
Benzene	< 1.00	ug/L		3/14/2022 13:45
Bromochloromethane	< 5.00	ug/L		3/14/2022 13:45
Bromodichloromethane	< 2.00	ug/L		3/14/2022 13:45
Bromoform	< 5.00	ug/L		3/14/2022 13:45

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Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-7 (03/11/22)

Lab Sample ID: 221018-06

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Bromomethane	< 2.00	ug/L	3/14/2022 13:45
Carbon disulfide	< 2.00	ug/L	3/14/2022 13:45
Carbon Tetrachloride	< 2.00	ug/L	3/14/2022 13:45
Chlorobenzene	< 2.00	ug/L	3/14/2022 13:45
Chloroethane	< 2.00	ug/L	3/14/2022 13:45
Chloroform	< 2.00	ug/L	3/14/2022 13:45
Chloromethane	< 2.00	ug/L	3/14/2022 13:45
cis-1,2-Dichloroethene	6.55	ug/L	3/14/2022 13:45
cis-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022 13:45
Cyclohexane	< 10.0	ug/L	3/14/2022 13:45
Dibromochloromethane	< 2.00	ug/L	3/14/2022 13:45
Dichlorodifluoromethane	< 2.00	ug/L	3/14/2022 13:45
Ethylbenzene	< 2.00	ug/L	3/14/2022 13:45
Freon 113	< 2.00	ug/L	3/14/2022 13:45
Isopropylbenzene	< 2.00	ug/L	3/14/2022 13:45
m,p-Xylene	< 2.00	ug/L	3/14/2022 13:45
Methyl acetate	< 2.00	ug/L	3/14/2022 13:45
Methyl tert-butyl Ether	< 2.00	ug/L	3/14/2022 13:45
Methylcyclohexane	< 2.00	ug/L	3/14/2022 13:45
Methylene chloride	< 5.00	ug/L	3/14/2022 13:45
o-Xylene	< 2.00	ug/L	3/14/2022 13:45
Styrene	< 5.00	ug/L	3/14/2022 13:45
Tetrachloroethene	< 2.00	ug/L	3/14/2022 13:45
Toluene	< 2.00	ug/L	3/14/2022 13:45
trans-1,2-Dichloroethene	< 2.00	ug/L	3/14/2022 13:45

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-7 (03/11/22)

Lab Sample ID: 221018-06

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

trans-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022	13:45
Trichloroethene	3.29	ug/L	3/14/2022	13:45
Trichlorofluoromethane	< 2.00	ug/L	3/14/2022	13:45
Vinyl chloride	2.19	ug/L	3/14/2022	13:45

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	105	81.1 - 136		3/14/2022 13:45
4-Bromofluorobenzene	94.8	75.8 - 132		3/14/2022 13:45
Pentafluorobenzene	96.6	82 - 132		3/14/2022 13:45
Toluene-D8	101	64.6 - 137		3/14/2022 13:45

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z07751.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 221018

Client: **Lu Engineers, Inc.**

Project Reference: 50503

Sample Identifier: OW-8/MW-4 (03/11/22)

Lab Sample ID: 221018-07

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		3/14/2022 14:04
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/14/2022 14:04
1,1,2-Trichloroethane	< 2.00	ug/L		3/14/2022 14:04
1,1-Dichloroethane	< 2.00	ug/L		3/14/2022 14:04
1,1-Dichloroethene	< 2.00	ug/L		3/14/2022 14:04
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/14/2022 14:04
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/14/2022 14:04
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/14/2022 14:04
1,2-Dibromoethane	< 2.00	ug/L		3/14/2022 14:04
1,2-Dichlorobenzene	< 2.00	ug/L		3/14/2022 14:04
1,2-Dichloroethane	< 2.00	ug/L		3/14/2022 14:04
1,2-Dichloropropane	< 2.00	ug/L		3/14/2022 14:04
1,3-Dichlorobenzene	< 2.00	ug/L		3/14/2022 14:04
1,4-Dichlorobenzene	< 2.00	ug/L		3/14/2022 14:04
1,4-Dioxane	< 10.0	ug/L		3/14/2022 14:04
2-Butanone	< 10.0	ug/L		3/14/2022 14:04
2-Hexanone	< 5.00	ug/L		3/14/2022 14:04
4-Methyl-2-pentanone	< 5.00	ug/L		3/14/2022 14:04
Acetone	< 10.0	ug/L		3/14/2022 14:04
Benzene	< 1.00	ug/L		3/14/2022 14:04
Bromochloromethane	< 5.00	ug/L		3/14/2022 14:04
Bromodichloromethane	< 2.00	ug/L		3/14/2022 14:04
Bromoform	< 5.00	ug/L		3/14/2022 14:04

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Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-8/MW-4 (03/11/22)

Lab Sample ID: 221018-07

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Bromomethane	< 2.00	ug/L	3/14/2022 14:04
Carbon disulfide	< 2.00	ug/L	3/14/2022 14:04
Carbon Tetrachloride	< 2.00	ug/L	3/14/2022 14:04
Chlorobenzene	< 2.00	ug/L	3/14/2022 14:04
Chloroethane	< 2.00	ug/L	3/14/2022 14:04
Chloroform	< 2.00	ug/L	3/14/2022 14:04
Chloromethane	< 2.00	ug/L	3/14/2022 14:04
cis-1,2-Dichloroethene	2.24	ug/L	3/14/2022 14:04
cis-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022 14:04
Cyclohexane	< 10.0	ug/L	3/14/2022 14:04
Dibromochloromethane	< 2.00	ug/L	3/14/2022 14:04
Dichlorodifluoromethane	< 2.00	ug/L	3/14/2022 14:04
Ethylbenzene	< 2.00	ug/L	3/14/2022 14:04
Freon 113	< 2.00	ug/L	3/14/2022 14:04
Isopropylbenzene	< 2.00	ug/L	3/14/2022 14:04
m,p-Xylene	< 2.00	ug/L	3/14/2022 14:04
Methyl acetate	< 2.00	ug/L	3/14/2022 14:04
Methyl tert-butyl Ether	< 2.00	ug/L	3/14/2022 14:04
Methylcyclohexane	< 2.00	ug/L	3/14/2022 14:04
Methylene chloride	< 5.00	ug/L	3/14/2022 14:04
o-Xylene	< 2.00	ug/L	3/14/2022 14:04
Styrene	< 5.00	ug/L	3/14/2022 14:04
Tetrachloroethene	< 2.00	ug/L	3/14/2022 14:04
Toluene	< 2.00	ug/L	3/14/2022 14:04
trans-1,2-Dichloroethene	< 2.00	ug/L	3/14/2022 14:04

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-8/MW-4 (03/11/22)

Lab Sample ID: 221018-07

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

trans-1,3-Dichloropropene	< 2.00	ug/L		3/14/2022 14:04
Trichloroethene	5.21	ug/L		3/14/2022 14:04
Trichlorofluoromethane	< 2.00	ug/L		3/14/2022 14:04
Vinyl chloride	1.40	ug/L	J	3/14/2022 14:04

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	106	81.1 - 136		3/14/2022 14:04
4-Bromofluorobenzene	93.1	75.8 - 132		3/14/2022 14:04
Pentafluorobenzene	94.9	82 - 132		3/14/2022 14:04
Toluene-D8	105	64.6 - 137		3/14/2022 14:04

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z07752.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 221018

Client: **Lu Engineers, Inc.**

Project Reference: 50503

Sample Identifier: OW-9/MW-3 (03/11/22)

Lab Sample ID: 221018-08

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		3/14/2022 14:24
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/14/2022 14:24
1,1,2-Trichloroethane	< 2.00	ug/L		3/14/2022 14:24
1,1-Dichloroethane	< 2.00	ug/L		3/14/2022 14:24
1,1-Dichloroethene	< 2.00	ug/L		3/14/2022 14:24
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/14/2022 14:24
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/14/2022 14:24
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/14/2022 14:24
1,2-Dibromoethane	< 2.00	ug/L		3/14/2022 14:24
1,2-Dichlorobenzene	< 2.00	ug/L		3/14/2022 14:24
1,2-Dichloroethane	< 2.00	ug/L		3/14/2022 14:24
1,2-Dichloropropane	< 2.00	ug/L		3/14/2022 14:24
1,3-Dichlorobenzene	< 2.00	ug/L		3/14/2022 14:24
1,4-Dichlorobenzene	< 2.00	ug/L		3/14/2022 14:24
1,4-Dioxane	< 10.0	ug/L		3/14/2022 14:24
2-Butanone	< 10.0	ug/L		3/14/2022 14:24
2-Hexanone	< 5.00	ug/L		3/14/2022 14:24
4-Methyl-2-pentanone	< 5.00	ug/L		3/14/2022 14:24
Acetone	< 10.0	ug/L		3/14/2022 14:24
Benzene	< 1.00	ug/L		3/14/2022 14:24
Bromochloromethane	< 5.00	ug/L		3/14/2022 14:24
Bromodichloromethane	< 2.00	ug/L		3/14/2022 14:24
Bromoform	< 5.00	ug/L		3/14/2022 14:24

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-9/MW-3 (03/11/22)

Lab Sample ID: 221018-08

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Bromomethane	< 2.00	ug/L	3/14/2022 14:24
Carbon disulfide	< 2.00	ug/L	3/14/2022 14:24
Carbon Tetrachloride	< 2.00	ug/L	3/14/2022 14:24
Chlorobenzene	< 2.00	ug/L	3/14/2022 14:24
Chloroethane	< 2.00	ug/L	3/14/2022 14:24
Chloroform	< 2.00	ug/L	3/14/2022 14:24
Chloromethane	< 2.00	ug/L	3/14/2022 14:24
cis-1,2-Dichloroethene	3.22	ug/L	3/14/2022 14:24
cis-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022 14:24
Cyclohexane	< 10.0	ug/L	3/14/2022 14:24
Dibromochloromethane	< 2.00	ug/L	3/14/2022 14:24
Dichlorodifluoromethane	< 2.00	ug/L	3/14/2022 14:24
Ethylbenzene	< 2.00	ug/L	3/14/2022 14:24
Freon 113	< 2.00	ug/L	3/14/2022 14:24
Isopropylbenzene	< 2.00	ug/L	3/14/2022 14:24
m,p-Xylene	< 2.00	ug/L	3/14/2022 14:24
Methyl acetate	< 2.00	ug/L	3/14/2022 14:24
Methyl tert-butyl Ether	< 2.00	ug/L	3/14/2022 14:24
Methylcyclohexane	< 2.00	ug/L	3/14/2022 14:24
Methylene chloride	< 5.00	ug/L	3/14/2022 14:24
o-Xylene	< 2.00	ug/L	3/14/2022 14:24
Styrene	< 5.00	ug/L	3/14/2022 14:24
Tetrachloroethene	< 2.00	ug/L	3/14/2022 14:24
Toluene	< 2.00	ug/L	3/14/2022 14:24
trans-1,2-Dichloroethene	< 2.00	ug/L	3/14/2022 14:24

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Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: OW-9/MW-3 (03/11/22)

Lab Sample ID: 221018-08

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

trans-1,3-Dichloropropene	< 2.00	ug/L		3/14/2022 14:24
Trichloroethene	17.7	ug/L		3/14/2022 14:24
Trichlorofluoromethane	< 2.00	ug/L		3/14/2022 14:24
Vinyl chloride	1.95	ug/L	J	3/14/2022 14:24

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	103	81.1 - 136		3/14/2022 14:24
4-Bromofluorobenzene	90.9	75.8 - 132		3/14/2022 14:24
Pentafluorobenzene	97.2	82 - 132		3/14/2022 14:24
Toluene-D8	104	64.6 - 137		3/14/2022 14:24

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z07753.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier: Field Duplicate

Lab Sample ID: 221018-09

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		3/14/2022 14:43
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		3/14/2022 14:43
1,1,2-Trichloroethane	< 2.00	ug/L		3/14/2022 14:43
1,1-Dichloroethane	< 2.00	ug/L		3/14/2022 14:43
1,1-Dichloroethene	< 2.00	ug/L		3/14/2022 14:43
1,2,3-Trichlorobenzene	< 5.00	ug/L		3/14/2022 14:43
1,2,4-Trichlorobenzene	< 5.00	ug/L		3/14/2022 14:43
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		3/14/2022 14:43
1,2-Dibromoethane	< 2.00	ug/L		3/14/2022 14:43
1,2-Dichlorobenzene	< 2.00	ug/L		3/14/2022 14:43
1,2-Dichloroethane	< 2.00	ug/L		3/14/2022 14:43
1,2-Dichloropropane	< 2.00	ug/L		3/14/2022 14:43
1,3-Dichlorobenzene	< 2.00	ug/L		3/14/2022 14:43
1,4-Dichlorobenzene	< 2.00	ug/L		3/14/2022 14:43
1,4-Dioxane	< 10.0	ug/L		3/14/2022 14:43
2-Butanone	< 10.0	ug/L		3/14/2022 14:43
2-Hexanone	< 5.00	ug/L		3/14/2022 14:43
4-Methyl-2-pentanone	< 5.00	ug/L		3/14/2022 14:43
Acetone	< 10.0	ug/L		3/14/2022 14:43
Benzene	< 1.00	ug/L		3/14/2022 14:43
Bromochloromethane	< 5.00	ug/L		3/14/2022 14:43
Bromodichloromethane	< 2.00	ug/L		3/14/2022 14:43
Bromoform	< 5.00	ug/L		3/14/2022 14:43

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Lab Project ID: 221018

Client: Lu Engineers, Inc.

Project Reference: 50503

Sample Identifier:	Field Duplicate	Date Sampled:	3/11/2022
Lab Sample ID:	221018-09	Date Received:	3/11/2022
Matrix:	Groundwater		

Bromomethane	< 2.00	ug/L	3/14/2022 14:43
Carbon disulfide	< 2.00	ug/L	3/14/2022 14:43
Carbon Tetrachloride	< 2.00	ug/L	3/14/2022 14:43
Chlorobenzene	< 2.00	ug/L	3/14/2022 14:43
Chloroethane	< 2.00	ug/L	3/14/2022 14:43
Chloroform	< 2.00	ug/L	3/14/2022 14:43
Chloromethane	< 2.00	ug/L	3/14/2022 14:43
cis-1,2-Dichloroethene	< 2.00	ug/L	3/14/2022 14:43
cis-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022 14:43
Cyclohexane	< 10.0	ug/L	3/14/2022 14:43
Dibromochloromethane	< 2.00	ug/L	3/14/2022 14:43
Dichlorodifluoromethane	< 2.00	ug/L	3/14/2022 14:43
Ethylbenzene	< 2.00	ug/L	3/14/2022 14:43
Freon 113	< 2.00	ug/L	3/14/2022 14:43
Isopropylbenzene	< 2.00	ug/L	3/14/2022 14:43
m,p-Xylene	< 2.00	ug/L	3/14/2022 14:43
Methyl acetate	< 2.00	ug/L	3/14/2022 14:43
Methyl tert-butyl Ether	< 2.00	ug/L	3/14/2022 14:43
Methylcyclohexane	< 2.00	ug/L	3/14/2022 14:43
Methylene chloride	< 5.00	ug/L	3/14/2022 14:43
o-Xylene	< 2.00	ug/L	3/14/2022 14:43
Styrene	< 5.00	ug/L	3/14/2022 14:43
Tetrachloroethene	< 2.00	ug/L	3/14/2022 14:43
Toluene	< 2.00	ug/L	3/14/2022 14:43
trans-1,2-Dichloroethene	< 2.00	ug/L	3/14/2022 14:43

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Lab Project ID: 221018

Client: **Lu Engineers, Inc.**

Project Reference: 50503

Sample Identifier: Field Duplicate

Lab Sample ID: 221018-09

Date Sampled: 3/11/2022

Matrix: Groundwater

Date Received: 3/11/2022

trans-1,3-Dichloropropene	< 2.00	ug/L	3/14/2022	14:43
Trichloroethene	3.49	ug/L	3/14/2022	14:43
Trichlorofluoromethane	< 2.00	ug/L	3/14/2022	14:43
Vinyl chloride	< 2.00	ug/L	3/14/2022	14:43

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>
1,2-Dichloroethane-d4	104	81.1 - 136		3/14/2022 14:43
4-Bromofluorobenzene	87.8	75.8 - 132		3/14/2022 14:43
Pentafluorobenzene	98.1	82 - 132		3/14/2022 14:43
Toluene-D8	104	64.6 - 137		3/14/2022 14:43

Method Reference(s): EPA 8260C
EPA 5030C
Data File: z07754.D

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"H" = Sample analyzed outside of holding time.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

CHAIN OF CUSTODY

PARADIGM



PROJECT REFERENCE
50503

REPORT TO:	CLIENT:	LAB PROJECT ID
ADDRESS: Lv Engineers	ADDRESS: 339 East Avenue Suite 200	221618
CITY: Rochester	STATE: NY ZIP: 14604	Quotation #: MS 220307A
PHONE: 585-385-7417	PHONE: _____	Email: bseibert@lveng.net
ATTN: Ben Seifert	ATTN: Greg Andrews	
Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid	WA - Water WG - Groundwater	DW - Drinking Water WW - Wastewater
	SO - Soil SL - Sludge	SD - Solid PT - Paint
	WP - Wipe CK - Caulk	OL - Oil AR - Air

DATE COLLECTED	TIME COLLECTED	C O M P O S I T E	G R A B	SAMPLE IDENTIFIER	M C A O T R I S	N O N M E T A L I C S	REMARKS	PARADIGM LAB SAMPLE NUMBER
03/11/22	12:00		✓	OW-1 (03/11/22)	WG	2		01
	12:05		✓	OW-2 (03/11/22)		1		02
	12:35		✓	OW-3 (03/11/22)		1		03
	09:45		✓	OW-4 (03/11/22)		1		04
	09:50		✓	OW-5 (03/11/22)		1		05
	10:35		✓	OW-7 (03/11/22)		1		06
	11:15		✓	OW-8 / MW-4 (03/11/22)		1		07
	11:30		✓	OW-9 / MW-3 (03/11/22)		1		08
	09:50		✓	OW-5 (03/11/22) MS		4		09
			✓	Field Duplicate		2		10

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply.	
Standard 5 day <input checked="" type="checkbox"/>	None Required <input type="checkbox"/>
10 day <input type="checkbox"/>	Batch QC <input type="checkbox"/>
Rush 3 day <input type="checkbox"/>	Category A <input type="checkbox"/>
Rush 2 day <input type="checkbox"/>	Category B <input checked="" type="checkbox"/>
Rush 1 day <input type="checkbox"/>	Other <input type="checkbox"/>
Date Needed _____	Other EDD <input type="checkbox"/>
please indicate date needed: _____	please indicate EDD needed: _____

Sampled By: *[Signature]* Date/Time: 03/11/22 13:20
 Relinquished By: *[Signature]* Date/Time: 03/11/22 13:51
 Received By: *[Signature]* Date/Time: 3/11/22 13:51
 Received @ Lab By: *[Signature]* Date/Time: 3/11/22 13:57

Total Cost: 1352
 P.L.F.

6°C cool 3/11/22 1352
currently available in client lab
10/11/22

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

2012



Chain of Custody Supplement

Client: Lu Eng
Lab Project ID: 221018

Completed by: Molly Paul
Date: 3/11/12

Sample Condition Requirements Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Preservation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>6°C</u>		
Compliant Sample Quantity/Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		

Attachment D

Photo Pages

Site Photographs

Former Griffin Technology Site (#835008)



Photo No. 1 View of Site facing south



Photo No. 2 View of Site facing northwest



Photo No. 3 OW-5 missing cover & lock



Photo No. 4 IW-14 cover broken off



Photo No. 5 Unknown Well (north of IW-14) casing damaged



Photo No. 6 OW-9/MW-3 missing lock

Site Photographs
Former Griffin Technology Site (#835008)



Photo No. 7 IW-12 in good condition



Photo No. 8 IW-8 in good condition



Photo No. 9 IW-9 destroyed



Photo No. 10 IW-10 in good condition



Photo No. 11 IW-11 cover broken off



Photo No. 12 OW-3 missing lock

Site Photographs
Former Griffin Technology Site (#835008)



Photo No. 13 OW-2 missing lock



Photo No. 14 OW-1 casing damaged



Photo No. 15 IW-4 cover broken off



Photo No. 16 Unknown well destroyed



Photo No. 17 Unknown well destroyed



Photo No. 18 Unknown well destroyed

Site Photographs
Former Griffin Technology Site (#835008)



Photo No. 19 IW-5 in good condition



Photo No. 20 IW-6 in good condition



Photo No. 21 IW-3 in good condition



Photo No. 22 IW-2 uplifted and cover broken off



Photo No. 23 IW-1 in good condition



Photo No. 24 Damaged well cluster north of shed