

TRANSMITTAL LETTER



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Copies:

Date:

April 30, 2021

Subject:

Arcadis Project No.:

Livonia Transmission Plant
1Q 2021 Progress Report

30080642

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Ford Motor Company

QUARTERLY PROGRESS REPORT - 1Q 2021

Livonia Transmission Plant

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April 30, 2021

A large, solid orange triangle is positioned in the bottom right corner of the page, pointing towards the top right. A thin white diagonal line runs from the bottom left corner of the triangle towards the top right corner, dividing it into two sections.



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QUARTERLY PROGRESS REPORT - 1Q 2021

Livonia Transmission Plant

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April 30, 2021

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1Q 2021: Activities

On-Site

1. Groundwater Sampling
2. Hydraulic Control System
 - ✓ Operating as Designed Since March 15, 2017
 - ✓ Discharge Compliance
3. Sub-Slab Depressurization System
 - ✓ Operating as Designed Since August 13, 2018
 - ✓ Discharge Compliance
4. Response Activities
 - Vapor Intrusion Assessment/Sampling
 - Groundwater Delineation
 - Utility Corridor Assessment

Total On-Site Samples

Period	Groundwater / Water	Soil / Sediment	Sub-Slab / Soil Gas
1Q 2021	97	0	0
Total since Oct. 2015	1,582	328	593

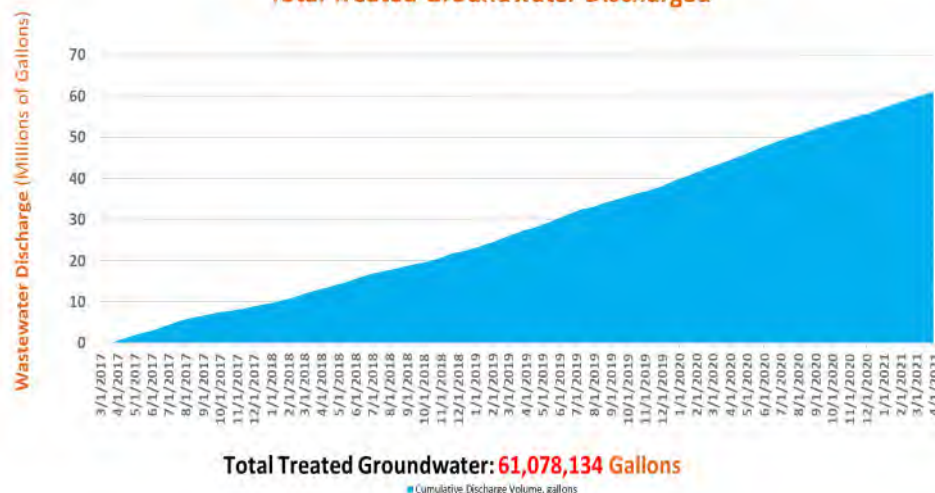
Off-Site

1. Groundwater Sampling
2. Response Activities
 - Vapor Intrusion Assessment
 - Vapor Intrusion Mitigation
 - Groundwater Delineation
 - Utility Corridor Assessment

Total Off-Site Samples

Period	Groundwater	Soil Gas
1Q 2021	142	0
Total since Oct. 2015	1,579	255

Hydraulic Control System – Through March 2021 Total Treated Groundwater Discharged



Key Dates



2018-2021 Document Submittal

Document	Date Submitted	Status
4Q 2017 Progress Report	1/30/18	Received
RespAP Response to Comments Letter	4/13/18	Received
VI RespAP 6.6(b)(i) Revised	4/13/18	Approved with Modifications
RI RespAP 6.7 Revised	4/13/18	Approved with Modifications
1Q 2018 Progress Report	4/30/18	Received
Response to EGLE Request for CSM	7/20/18	Received
2Q 2018 Progress Report	7/31/18	Received
Public Outreach Plan	8/7/2018	Received
3Q 2018 Progress Report	10/31/18	Received
4Q 2018 Progress Report	2/1/2019	Received
Response to EGLE	2/8/2019	Responded
Response to EGLE	3/11/19	Responded
Response to EGLE	3/14/19	Responded
Extension Request to EGLE	3/14/19	Responded
Laboratory Memo	4/16/19	Received
Extension Request to EGLE	4/17/19	Responded
1Q 2019 Progress Report	5/2/19	Received
Response to EGLE	5/15/19	Responded
Response to EGLE	5/17/19	Responded
Response to EGLE	5/24/19	Responded
Response to EGLE	5/30/19	Responded

Document	Date Submitted	Status
EGLE Update Letter	6/7/19	Received
Updated Public Outreach Plan	6/28/19	Received
EGLE Update Letter	7/12/19	Received
Response to EGLE	7/25/19	Responded
EGLE Update Letter	7/31/19	Received
Q2 2019 Progress Report	7/31/19	Received
Residential Concern Memo	7/31/19	Received
Utility Corridor Response Activity Plan	8/8/19	Responded
EGLE Update Letter	8/30/19	Received
Residential Concern Memo	8/30/19	Received
EGLE Update Letter	9/30/19	Received
Residential Concern Memo	9/30/19	Received
Residential Concern Memo	10/31/19	Received
EGLE Update Letter	10/31/19	Received
Q3 2019 Progress Report	11/8/19	Received
EGLE Update Letter	11/27/19	Received
Residential Concern Memo	11/27/19	Received
EGLE Update Letter	12/31/19	Received
Residential Concern Memo	12/31/19	Received
Response Activity Plan – Revised Utility Corridor Evaluation	1/7/2020	Received
EGLE Letter	1/23/2020	Received
Residential Concern Memo	1/31/2020	Received
Q4 2019 Progress Report	1/31/2020	Received

Key Dates



2018-2021 Document Submittal

Document	Date Submitted	Status
EGLE Update Letter	1/31/2020	Received
EGLE Update Letter	2/14/2020	Received
Residential Concern Memo	2/29/2020	Received
EGLE Update Letter	2/29/2020	Received
EGLE Update Letter	3/5/2020	Received
EGLE Update Letter	3/31/2020	Received
Residential Concern Memo	3/31/2020	Received
EGLE Update Letter	4/30/2020	Received
Residential Concern Memo	4/30/2020	Received
1Q 2020 Progress Report	4/30/2020	Received
EGLE Update Letter	5/31/2020	Received
Residential Concern Memo	5/31/2020	Received
EGLE Update Letter	6/30/2020	Received
Residential Concern Memo	6/30/2020	Received
2Q 2020 Progress Report	7/31/2020	Received
EGLE Update Letter	7/31/2020	Received
Residential Concern Memo	7/31/2020	Received
EGLE Update Letter	8/31/2020	Received
Residential Concern Memo	8/31/2020	Received
EGLE Update Letter	9/30/2020	Received
Residential Concern Memo	9/30/2020	Received
3Q 2020 Progress Report	10/31/2020	Received
EGLE Update Letter	10/31/2020	Received
Residential Concern Memo	10/31/2020	Received
Utility Corridor Response Activity Plan Addendum	12/4/2020	Received

Document	Date Submitted	Status
Revised Interim Groundwater Monitoring Plan	1/26/2021	Approved with modifications
Response Activity Plan for the Utility Corridor Addendum #2	1/27/2021	Received
4Q 2020 Progress Report	1/31/2021	Received
EGLE Update Letter	1/31/2021	Received
Residential Concern Memo	1/31/2021	Received
CSM and Requested Property Specific Monitoring Program for Five Offsite Mitigation Properties	2/22/2021	Responded
LTP Summary of Individual Off-Site Vapor Intrusion Evaluations and Request for No Additional Investigation	3/19/2021	Received

Upcoming Dates 2021

May Off-Site 2Q 2021 Groundwater Sampling

May On-Site 2Q 2021 Groundwater Sampling

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Figure 6: On-Site Monitoring Wells Trichloroethene in Groundwater
Figure 7: On-Site Monitoring Wells Vinyl Chloride in Groundwater
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QUARTERLY PROGRESS REPORT – 1Q 2021

Figure 9: Off-Site Monitoring Wells 1,4-Dioxane in Groundwater

Figure 10: Off-Site Monitoring Wells Trichloroethene in Groundwater

Figure 11: Off-Site Monitoring Wells Vinyl Chloride in Groundwater

Figure 12: Hydraulic Gradient Map March 2021

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Appendix B: Off-Site Residential Monitoring Wells

Appendix C: Off-Site Groundwater Field Sampling Logs

Appendix D: Transducer Data

Appendix E: Stability Analysis

ACRONYMS AND ABBREVIATIONS

1Q 2021	first quarter of 2021
µg/L	microgram per liter
AOC	area of concern
Arcadis	Arcadis of Michigan LLC
DCE	dichloroethane
EGLE	Michigan Department of Environment, Great Lakes, and Energy
Ford	Ford Motor Company
GLWA	Great Lakes Water Authority
HCS	hydraulic control system
IGMP	Interim Groundwater Monitoring Plan
LEL	lower explosive limit
LTP	Livonia Transmission Plant
mg/L	milligram per liter
PCE	tetrachloroethene
report	Progress Report
ROW	right-of-way
SSDS	sub-slab depressurization system
TCE	trichloroethene
TestAmerica	Eurofins TestAmerica Laboratories
the site	Livonia Transmission Plant, 36200 Plymouth Road, Livonia, Michigan
USEPA	United States Environmental Protection Agency
VC	vinyl chloride
VI	vapor intrusion
VOC	volatile organic compound

1 INTRODUCTION

1.1 Purpose of This Report

Arcadis of Michigan LLC (Arcadis), on behalf of Ford Motor Company (Ford), has prepared this Progress Report (report) for the Livonia Transmission Plant (LTP) property (the site) located at 36200 Plymouth Road in Livonia, Michigan. This report was produced in compliance with a Consent Decree filed by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), on July 27, 2017 (No: 2:1712372-GAD-RSW). The purpose of this report is to summarize the routine groundwater and any vapor sampling conducted at the site and the area east of the site, as well as the performance monitoring and maintenance associated with the hydraulic control system (HCS) and sub-slab depressurization system (SSDS) completed voluntarily by Ford. This report includes activities completed during the first quarter of 2021 (1Q 2021), from January 1 through March 31, 2021. Activities described in this 1Q 2021 report include:

- On-site and off-site groundwater sampling.
- HCS operation, evaluation, and performance monitoring.
- SSDS operation, evaluation, and performance monitoring.

This report primarily focuses on the seven constituents of concern for the site: 1,1-dichloroethene (DCE), cis-1,2-DCE, trans-1,2-DCE, tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride (VC), and 1,4-dioxane.

1.2 Additional Response Activities

Additional response activities completed in 1Q 2021 include off-site vapor intrusion (VI) investigation, groundwater sampling, and activities related to the utility corridor investigation, as outlined in the following Response Activity Plans:

- Response Activity Plan - Vapor Intrusion Evaluation (Arcadis 2018a) dated April 13, 2018,
- Response Activity Plan - Remedial Investigation (Arcadis 2018b), dated April 13, 2018,
- Response Activity Plan – Utility Corridor Evaluation Revised (Arcadis 2020a), dated February 11, 2020,
- Response Activity Plan – Utility Corridor Evaluation Addendum (Arcadis 2020b), dated December 4, 2020, and
- Response Activity Plan – Utility Corridor Evaluation Addendum 2 (Arcadis 2021b), dated January 27, 2021.

In addition to the activities completed under these approved Response Activity Plans, this report includes information regarding the interim pre-emptive mitigation system activities completed in 1Q 2021. Details regarding the additional response activities completed in 1Q 2021 are provided below.

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Date	Activity	Activities Completed in 1Q 2021	Additional Activities Required (yes or no)
January and March 2021	Additional Off-Site VI Assessment	A total of 42 air samples collected (includes duplicate samples); includes sub-slab, indoor air, and ambient.	Yes
March 2021	On-Site and Off-Site Utility Corridor Evaluation	A total of 45 samples collected (includes duplicate samples); includes liquid, sediment, and vapor.	Yes
January to March 2021	Off-Site Mitigation System Operation, Monitoring and Maintenance	Operations, monitoring & maintenance (OM&M) events were performed. Rainwater inspections were conducted, and water removed.	Yes

The LTP has been active in manufacturing in some capacity since the 1950s. The site is located at 36200 Plymouth Road, Livonia, Michigan (**Figure 1**) and occupies 178 acres of land. The LTP has been active in manufacturing in some capacity since the 1950s. The LTP building occupies approximately 3 million square feet. The area surrounding the site includes light industrial, commercial, and residential properties. For the purpose of this report, data are presented based on their locations as either on-site or off-site (**Figure 2**). On-site areas of concern (AOCs) comprise all areas within the site boundary, including the LTP, Test Track, Wastewater Pre-Treatment Plant, Automatic Transmission Plant New Product Center, associated outbuildings, and the Plymouth Road right-of-way (ROW). Off-site AOCs include commercial and residential properties located east of the site, from Belden Court west to Stark Road, and from Plymouth Road north to the railroad ROW (**Figure 2**).

2 SUMMARY OF ROUTINE ACTIVITIES

The following table summarizes all routine monitoring completed at the AOC during 1Q 2021. Refer to the subsequent sections for further detail on each respective event and associated tables and figures.

Date	Activity	Tables	Figures
January to March 2021	On-Site Groundwater Sampling	1, 2	3, 4, 5, 6, 7, 8
January to March 2021	Off-Site Groundwater Sampling	3, 4	3, 9, 10, 11
January to March 2021	HCS Performance Monitoring	5	2, 3, 12
January to March 2021	SSDS Performance Monitoring	-	2

2.1 On-Site Groundwater Sampling

Arcadis completed on-site gauging on February 8, 2021. Monitoring wells and piezometers were gauged from the top of casing using an electronic water level meter to within 0.01 foot. A summary of the on-site 1Q 2021 groundwater elevations is included in the on-site quarterly groundwater elevation summary table

(**Table 1**). On-site groundwater elevation contours and apparent groundwater flow for the 1Q 2021 are provided on **Figure 3**.

On-site groundwater sampling was conducted from February 9 through March 2, 2021 at all wells, excluding 28 on-site light non-aqueous phase liquid wells (LMW-15-01 through LMW-15-10 and LMW-20-11 through LMW-20-28) and monitoring wells MW-26, MW-27, MW-28, and MW-114, consistent with the Interim Groundwater Monitoring Plan (Arcadis 2021a) approved by EGLE on February 18, 2021. Monitoring well MW-114 could not be sampled due to a potential sinkhole that had formed near the monitoring well. At all other monitoring wells, groundwater was purged at a flow rate of 100 to 300 milliliters per minute until field parameters (i.e., conductivity, pH, turbidity, temperature, dissolved oxygen, and oxidation-reduction potential) stabilized. Groundwater samples were collected from 97 on-site monitoring wells into laboratory-supplied bottles and were submitted on ice to Eurofins TestAmerica Laboratories (TestAmerica) in Canton, Ohio and Edison, New Jersey.

Additionally, duplicates and trip blanks collected during the sampling event were analyzed in accordance with the methodology specified in the on-site Quality Assurance Project Plan (Arcadis 2017a) and submitted to TestAmerica. All groundwater samples were submitted for analysis of the seven constituents of concern via United States Environmental Protection Agency (USEPA) Method 8260B and 1,4-dioxane via USEPA Method 8260B-SIM based on a standard turnaround time of 10 business days. The groundwater analytical results are discussed in Section 3. A summary of the 1Q 2021 groundwater analytical results is presented in the on-site quarterly groundwater analytical data summary table (**Table 2**). On-site groundwater field sampling logs are provided for reference in **Appendix A**.

2.2 Off-Site Groundwater Sampling

Arcadis completed off-site gauging on February 8, 2021. Monitoring wells were gauged from the top of casing using an electronic water level meter accurate to within 0.01 foot. A summary of the 1Q 2021 groundwater elevations (ROW monitoring wells only) are included in the off-site quarterly groundwater elevation summary table (**Table 3**). Groundwater elevation contours and apparent groundwater flow are illustrated on **Figure 3**. Only monitoring wells within the ROWs were gauged during the site-wide gauging event and used to produce the elevation contour figure.

Off-site groundwater sampling was conducted from February 9 through March 1, 2021. Monitoring wells MW-202, MW-202S, MW-203, MW-203S, MW-204, MW-204S, MW-205, MW-205S, MW-206, and MW-206S were not sampled during 1Q 2021 based on the IGMP approved by EGLE on February 18, 2021. Samples could not be collected from MW-161S and MW-174S because they were dry; and a sample was not collected from MW-175S due to access restrictions. At all other locations, groundwater was purged from the monitoring wells at a flow rate of 100 to 300 milliliters per minute until field parameters (i.e., depth to water, specific conductance, conductivity, pH, turbidity, temperature, dissolved oxygen, and redox/oxidation-reduction potential) stabilized. Groundwater samples were collected from 142 off-site monitoring wells into laboratory-supplied bottles and submitted to TestAmerica.

Additionally, duplicates, matrix spike/matrix spike duplicates, and trip blanks collected during the sampling event were analyzed in accordance with the methodology specified in the off-site Quality Assurance Project Plan (Arcadis 2017b) and submitted to TestAmerica. All groundwater samples were submitted for analysis of the seven constituents of concern via USEPA Method 8260B and 1,4-dioxane via USEPA

Method 8260B-SIM based on a standard turnaround time of 10 business days. The groundwater analytical results are discussed in Section 3. The 1Q 2021 groundwater analytical results are summarized in the off-site quarterly groundwater analytical data summary tables (**Table 4** and **Appendix B**). Off-site groundwater field sampling logs are provided for reference in **Appendix C**.

2.3 Hydraulic Control System

2.3.1 System Overview

The HCS was installed to intercept groundwater and mitigate the potential for impacted groundwater to continue to migrate east of the HCS. Ford began operation of the HCS on March 15, 2017.

The system is designed to extract groundwater via four horizontal wells (ESD-1, ESD-2, ESD-3, and ESD-4; **Figure 2**), each equipped with a groundwater extraction pump. Each extraction well screen is 400 to 600 feet long. The combined length of the four wells extends across approximately 2,000 linear feet on a line approximately perpendicular to groundwater flow. Extracted groundwater is pumped to an above-grade treatment system where it is treated by bag filters, an air stripper, and granular activated carbon filters before it is discharged to the sanitary sewer under the approved wastewater discharge permit (permit number 006-27510-IU) with the Great Lakes Water Authority (GLWA).

HCS equipment is operated by a programmable logic controller unit that allows the system to function without constant operator supervision. The HCS operates each horizontal well by extracting groundwater to achieve the set level within each pumping well. Pumping in each well ceases when target drawdown is achieved and resumes when the water level begins to rebound. Details regarding design and operation of the system are provided in the Remedial System Operation and Maintenance Manual dated June 29, 2017 and in the Conceptual Site Model (Arcadis 2017c) dated August 25, 2017.

2.4 Interim Sub-Slab Depressurization System

2.4.1 System Overview

In response to the presence of volatile organic compounds (VOCs) beneath the LTP building, Ford has designed, installed, and is operating an interim SSDS. The SSDS was specifically designed to target select locations in the plant where the highest concentrations of VOCs were present underneath the concrete slab. The goal of the interim SSDS is to reduce the potential for sub-slab soil vapor to potentially migrate through the concrete slab into indoor air. Construction of the SSDS began in September 2017, and the system started extracting and treating soil vapor on August 14, 2018.

The system is designed to extract soil vapor via nine suction pits located in the LTP building (**Figure 2**). The suction pits are installed just beneath the building slab to induce a sub-slab vacuum and reduce the potential for sub-slab soil vapor to migrate into the indoor air. Each suction pit is connected to the conveyance piping network to transmit extracted soil vapor to the system building, where it is treated via a catalytic oxidizer before being discharged to the atmosphere pursuant to the Rule 290 air permitting exemption of the Michigan Air Pollution Control Rules.

During the fourth quarter of 2020, three new suction pits were installed within the LTP building. The equipment in the system building was upgraded to accommodate the additional flow. The installation of the conveyance network connecting the three new suction pits to the existing system building is currently in progress.

3 SUMMARY OF RESPONSE ACTIVITY RESULTS

3.1 On-Site Groundwater Sampling

The on-site monitoring well groundwater results are compared to Michigan Part 201 Non-residential Generic Cleanup Criteria (EGLE 2018). Comprehensive analytical results are summarized in **Table 2**. Concentrations of constituents of concern exceeding Part 201 Non-residential Generic Cleanup Criteria for 1Q 2021 include cis-1,2-DCE, trans-1,2-DCE, TCE, VC, and 1,4-dioxane. Exceedances of cis-1,2-DCE, trans-1,2-DCE, TCE, VC, and 1,4-dioxane from the four most recent quarters of data (May/June 2020, July/August 2020, October/November 2020, and February/March 2021) are summarized on **Figures 4 through 8**, respectively. All other site-specific compounds (i.e., 1,1-DCE and PCE) either were not detected at concentrations above the reporting limits or were detected at concentrations below Part 201 Non-residential Generic Cleanup Criteria for 1Q 2021.

3.2 Off-Site Groundwater Sampling

The off-site monitoring well groundwater results are compared to the Part 201 Residential Generic Cleanup Criteria (EGLE 2018) and the site-specific groundwater VI screening levels included as part of the Consent Decree; however, the site-specific screening levels provided for TCE and VC where groundwater may be in contact with a structure are below typical target detection limits for these compounds. In December 2017, Ford requested and received EGLE approval to use the EGLE Remediation and Redevelopment Division target detection limits for TCE and VC of 1.0 microgram per liter (µg/L) as the groundwater screening level protective of VI at residential structures where there is potential for groundwater to be in contact.

Comprehensive off-site groundwater analytical results are summarized in **Table 4** and **Appendix B**. Only VC was detected during the 1Q 2021 event in off-site monitoring wells to the east of the site property at concentrations above the applicable criteria (1.0 µg/L). The results for 1,4-dioxane, TCE, and VC from the four most recent quarters of data (May 2020, August 2020, November 2020, and February/March 2021) for the off-site monitoring wells to the east of the site property boundary are provided on **Figures 9, 10, and 11**, respectively. Other site-specific compounds (i.e., cis-1,2-DCE, 1,1-DCE, trans-1,2-DCE, and PCE) either were not detected at concentrations above the reporting limits or were detected at concentrations below respective Part 201 Residential Generic Cleanup Criterion for 1Q 2021.

As outlined in the IGMP, the off-site upgradient monitoring wells located on the commercial property and city ROW will be sampled annually; cycling between the second and fourth quarters to capture seasonal variability. As such, the off-site upgradient wells were not sampled in 1Q 2021.

3.3 Off-Site Vapor Intrusion

3.3.1 Ongoing Off-Site Vapor Intrusion Response Activities

Since September 2018, multiple media have been sampled to assess VI. To date, approximately 3,405 indoor air, ambient air, and sub-slab soil vapor samples (including duplicate samples) have been collected at residential and commercial properties. Additionally, 60 water samples have been collected from residential properties where a sump is present.

Based on groundwater results, a total of 33 residential properties are currently included in the mitigation response activities. Mitigation design has been completed for all 33 residential properties, and 31 of the 33 mitigation systems have been installed. The two remaining residential properties have not been mitigated due to a lack of access (one home) and a property owner's request to not complete mitigation (one home).

3.4 Hydraulic Control System Operation and Performance Monitoring

The HCS performance is continuously evaluated and monitored. Treated water discharge volumes are documented daily and tabulated monthly (**Table 5**). System shutdowns are documented as detailed below. Samples are collected monthly and annually, as required, to document permit compliance for sanitary discharge and air emissions.

3.4.1 Hydraulic Control System Operation

The HCS operated with minimal unscheduled downtime. **Exhibit 1** describes the system shutdowns, approximate durations, and dates. Most of the downtime was to facilitate routine maintenance. The system operated with an uptime of 99.8 percent during 1Q 2021.

Exhibit 1: HCS Shutdown Summary

Date of Shutdown	Duration of Shutdowns	Summary of Shutdown
January 8, 2021	0.5 hours	The system was shut down to perform backwashing on the lead carbon vessel. Field staff completed backwashing and the HCS resumed normal operation the same day.
January 11, 2021	0.6 hours	Well pumps were turned off to pump down the on-site water storage tank. Field staff completed pumping and the HCS resumed normal operation the same day.
January 15, 2021	0.2 hours	The system was shut down remotely to perform programming updates. Arcadis field staff were on-site to start the system back up afterwards.
February 18, 2021	0.2 hours	The system was shut down to facilitate installation of a new modem. After install, the system was restarted and resumed normal operation the same day.

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Date of Shutdown	Duration of Shutdowns	Summary of Shutdown
February 19, 2021	0.3 hours	Well pumps were turned off to pump down the on-site water storage tank. Field staff completed pumping and the HCS resumed normal operation the same day.
March 5, 2021	0.8 hours	Well pumps were turned off to pump down the on-site water storage tank. Field staff completed pumping and the HCS resumed normal operation the same day.
March 8, 2021	0.8 hours	The system was shut down to perform backwashing on the lead carbon vessel. Field staff completed backwashing and the HCS resumed normal operation the same day.
March 12, 2021	0.6 hours	Field staff shut down the system to repair a hose leak. Upon completion of the repair, the system was restarted and HCS resumed normal operation the same day.

During the reporting period, groundwater was extracted from the horizontal wells to maintain continuous and consistent drawdown in each horizontal well. Discharge volumes and flow rates tabulated monthly during the reporting period are summarized in **Exhibit 2**. Daily HCS discharge volumes and monthly discharge totals are provided in **Table 5** for the 1Q 2021 reporting period. The total volume of water collected and treated from system startup on March 15, 2017 through 1Q 2021 is 61,078,134 gallons.

Exhibit 2: HCS Treated Discharge Water Volume and Flow Rate Summary – 1Q 2021

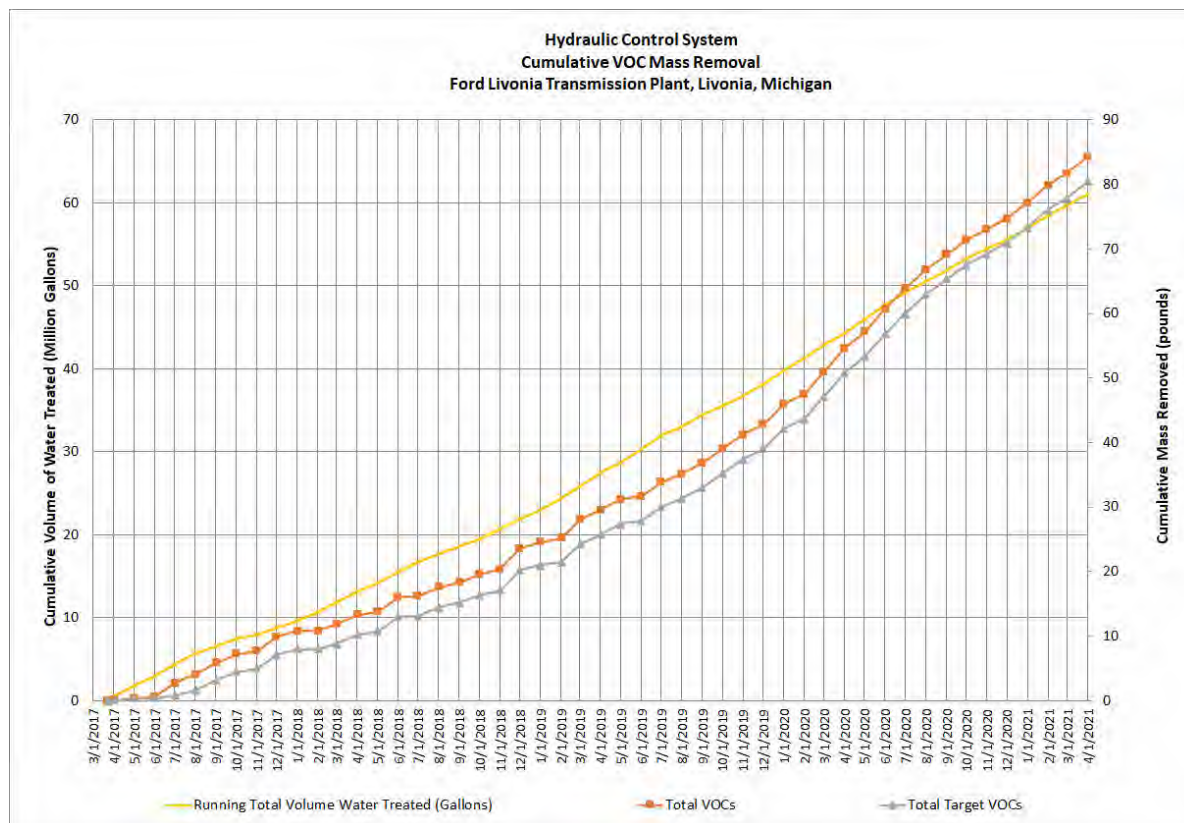
Month	Volume Treated (gallons)	Average Operational Flow Rate* (gallons per minute)
January	1,483,395	33
February	1,180,918	29
March	1,394,767	31

Note:

*Treated volume divided by operating time.

Exhibit 3 depicts the cumulative constituent-specific mass removal of VOCs through the 1Q 2021 reporting period. Groundwater mass removal calculations are based on air stripper effluent vapor sampled from June 2017 through October 2020, then from combined influent liquid samples since November 2020.

Exhibit 3: HCS Mass Removal – 1Q 2021



3.4.2 Maintenance Activities

Routine maintenance is required for effective operation of the HCS equipment and groundwater extraction.

In 1Q 2021, maintenance activities included routine bag filter changes, system cleanings, programming updates, and carbon back washing.

3.4.3 Hydraulic Control System Performance Monitoring

The performance of the HCS is evaluated in general accordance with USEPA guidance – A Systematic Approach for Evaluation of Capture Zone at Pump and Treat Systems (USEPA 2008) to demonstrate that the system is capturing groundwater as designed and mitigating additional migration of impacted groundwater to the east of the HCS. Three lines of evidence are used to evaluate system performance:

1. Groundwater elevation and horizontal gradient
2. Hydraulic response to pumping
3. Downgradient groundwater analytical trends

Aquifer response and well efficiency during 1Q 2021 remained consistent with previous quarters.

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3.4.3.1 Groundwater Elevation

A groundwater elevation contour map, including the area around the HCS system, is provided as **Figure 3**. The HCS wells are a horizontal groundwater sink oriented perpendicular to groundwater flow that captures groundwater flux across the approximately 2,000-foot-long cross-sectional area. The elevation of groundwater and the corresponding HCS total flow rate vary seasonally. The HCS extraction wells are equipped with variable speed pumps and can vary flow rate based on wet and dry seasons. The average monthly pumping rates (ranging from approximately 13 to 42 gallons per minute over the course of system operation) are consistent with the range of ambient groundwater flux rate calculated for the site. The hydraulic gradient west of the HCS is relatively consistent as groundwater approaches the HCS system, and then exhibits a gap and is flat to the east of the system, extending to the LTP property boundary, before resuming and groundwater flow continues to the east. The groundwater contours suggest a deflection and removal of groundwater flux for the northern half of the HCS (ESD-1 and ESD-2) and a more pronounced inward gradient around wells ESD-3 and ESD-4 (**Figure 3**). This result is consistent with groundwater removal and capture at the site.

Consistent with USEPA guidance, hydraulic gradient direction was calculated for a series of well triplets located downgradient of the HCS system. Groundwater gauging was completed for select wells on March 23, 2021. The well triplets and calculated flow vectors are shown on **Figure 12**. The March 2021 gradient map shows that flow was easterly near the northern portion of ESD-1 but turns more southerly near the southern portion of ESD-1 and inward toward the northern portion of ESD-2. Flow is south-southwesterly near ESD-3, bending inward at ESD-4. Overall, the deflection of groundwater gradient is consistent with continued removal of groundwater flux.

Hydraulic capture is difficult to evaluate for this system for several reasons:

- Aquifer response can be subtle (as outlined below), and low seasonal water levels during drier portions of the year confound observed drawdown within portions of the system area of influence.
- The coverage provided by the existing piezometers and monitoring wells is relatively sparse, and the well spacing relative to the HCS extraction wells is not optimum, particularly around ESD-1. Dense utilities in the area limit safe drilling locations and monitoring well spacing near the ESD wells is maintained to avoid striking the HCS system during drilling (i.e., ESD well horizontal placement is plus or minus 5 feet).
- HCS well efficiency also tends to decrease with time, and regular maintenance (e.g., flushing) is required to maintain optimum performance. The ESD wells were most recently flushed in December 2020.

3.4.3.2 Hydraulic Response

Pressure transducers have been installed to monitor the system performance and influence on the aquifer system surrounding the HCS. Transducers are installed in 20 monitoring wells surrounding the HCS, at the southern end of the HCS wells above the pump, and within the northern access vaults for each well. Below is a list of the monitoring wells that are currently equipped with transducers:

- ESD-1: MW-50, MW-62, PZ-01, PZ-08, PZ-14, and PZ-15 record water levels near the northernmost section of the system adjacent to ESD-1.
- ESD-2: MW-48, PZ-06, PZ-07, and PZ-09 record water levels near the center section of the system adjacent to well ESD-2.
- ESD-3: MW-46, MW-68, PZ-03, PZ-10, and PZ-13 record water levels near the center section of the system adjacent to well ESD-3.
- ESD-4: MW-45, MW-71, PZ-05, PZ-11, and PZ-12 record water levels near the southern section of the system adjacent to well ESD-4.
- The transducers located above the pumps on the southern end of each well are used to monitor pumping drawdown and modulate pumping rates for each well.
- The transducers located at the northern end of each HCS well are used to evaluate head loss along the length of the HCS well screen and evaluate pumping efficiency.
- The transducer located at MW-18 provides upgradient background water level data to help evaluate regional and seasonal groundwater elevation trends.

The transducer data for 1Q 2021 show piezometer and monitoring well groundwater elevation response in phase with pumping response, indicating hydraulic communication between the HCS wells and the surrounding aquifer. Hydrographs for each ESD well are provided in **Appendix D**.

3.4.3.3 Groundwater Analytical Trends

To date, up to 17 quarters of groundwater samples have been collected from monitoring wells beginning in 2016 (May 2016, April 2017, July 2017, November 2017, February 2018, May 2018, August 2018, October/November/December 2018, February/March 2019, May/June 2019, September 2019, November 2019, February/March 2020, May/June 2020, July/August 2020, October/November 2020, and February/March 2021). Analytical results from the four most recent quarters of data are included on **Figures 4 through 11**. A key result of the performance monitoring is from monitoring well MW-71, which is located west of the HCS, opposite the primary zone of VOC impact migrating east from the LTP building. Since the installation of this well (April 2017), concentrations have been stable with only estimated detections of total DCE and VC at concentrations less than 1.0 µg/L.

Concentration trends for TCE, total DCE, and VC were reviewed at representative wells located along the axis of impacted areas (on-site and off-site) and at wells downgradient from the HCS system between May 2016 and March 2021. Trend analysis from wells upgradient from the HCS system can provide insights regarding source maturity. Stable concentrations (i.e., no trend with low variability in concentrations over time) and decreasing trends indicate that the source is mature or depleted. Increasing trends at individual source area wells can indicate an expanding plume, but also can reflect the wide range of concentrations and temporal variability common at source areas.

Trend analysis downgradient from the HCS provides the best measure of hydraulic capture performance; decreasing trends and no trends verify that the HCS is working, whereas increasing trends indicate a lack of capture.

Mann-Kendall trend tests were conducted at selected wells for constituents present at concentrations greater than applicable screening criteria, and coefficient of variation values were calculated. The methodology, preliminary results summary, figures, and trend graphs are included in **Appendix E**. Key findings of the Mann-Kendall trend test include the following:

- Upgradient from HCS (south): At monitoring wells in the southern impacted area, concentrations of TCE, total DCE, and VC (where present above applicable screening levels) show a statistically significant decreasing trend or no trend. The exceptions are MW-02, where total DCE shows a statistically significant increasing trend, and MW-10, where VC shows a statistically significant increasing trend. These two wells are located upgradient from the HCS system along the core of the southern impacted area. Groundwater impacts associated with these two monitoring wells are captured by the HCS system.
- Upgradient from HCS (north): VC concentration trends at monitoring wells upgradient from the HCS in the northern impacted area show a statistically significant decreasing trend. The exception is MW-50 immediately adjacent (upgradient) to ESD-1, which shows a statistically significant increasing trend. Analytical results from the last two quarters at MW-50 are within the historical range for this well.
- Downgradient from the HCS (on-site): Concentrations of VC at each monitoring well located downgradient from the HCS system exhibit no statistically significant trend. The exceptions are MW-41 and MW-52, which show statistically significant decreasing trends, and MW-69, which shows a statistically significant increasing trend.
 - o Monitoring well MW-69 has fluctuated between <1 and 5.0 µg/L since April 2017. Since February 2019, the concentration of vinyl chloride has been stable with concentrations ranging from 3.2 to 5.0 µg/L. The result during the 1Q 2021 event was 3.3 µg/L. A trend graph for MW-69 is included in **Appendix E**.
- Downgradient from the HCS (off-site): Concentrations of VC at monitoring wells MW-75D, MW-79D, and MW-85 show statistically significant decreasing trends. MW-72, MW-74, and MW-80SR show no significant trend, and MW-73SR and MW-73D did not meet the criteria for trend analysis.
 - o VC concentrations at MW-75D decreased from 6.4 µg/L in May 2017 to 1.1 µg/L in February 2021.
 - o VC concentrations at MW-79D decreased from 4.1 µg/L in July 2017 to 1.4 µg/L in February 2021.
 - o VC concentrations at MW-85 decreased from 8.6 µg/L in May 2017 to 5.8 µg/L in February 2021.
 - o VC concentrations of MW-80SR have fluctuated from 1.4 µg/L in December 2018 to a maximum concentration of 4.3 µg/L in August and November 2020. The concentration of VC at this location decreased to 1.6 µg/L in February 2021, consistent with first and second quarter of 2020 (1.5 µg/L and 2.0 µg/L, respectively).

Except for a limited number of on-site upgradient monitoring wells and constituent combinations that show statistically significant increasing trends (total DCE at MW-02; VC at MW-10, and VC at MW-50) and one downgradient monitoring well with increasing concentrations of VC (MW-69), the observations

and measurements to date indicate that the groundwater impacts are stable and/or show statistically significant decreasing trends. Results of this evaluation provide a key line of evidence to indicate that the HCS system prevents further migration of groundwater impacts to the east of the HCS.

3.5 Summary of Hydraulic Control System Compliance Actions

Compliance sampling for the HCS GLWA discharge permit was completed each month. Samples were collected after treatment and before groundwater discharge. Samples were analyzed within appropriate hold times for constituents required by the discharge permit. **Exhibit 4** depicts the sampling parameters, methods, and discharge limits monitored for compliance with the GLWA discharge permit. Results of compliance samples have been within discharge limits since system startup. Self-monitoring reports are submitted to the GLWA every six months to document discharge compliance.

Exhibit 4: GLWA Discharge Limitations for HCS

Parameter	Analytical Method	Discharge Limit
Cadmium (Cd)	USEPA 200.7 – Metals	1.0 milligrams per liter (mg/L)
Chromium (Cr)	USEPA 200.7 – Metals	25 mg/L
Copper (Cu)	USEPA 200.7 – Metals	2.5 mg/L
Lead (Pb)	USEPA 200.7 – Metals	1.0 mg/L
Nickel (Ni)	USEPA 200.7 – Metals	5.0 mg/L
Mercury (Hg)	USEPA 245.1 – Mercury	Non-Detect
Silver (Ag)	USEPA 200.7	1.0 mg/L
Zinc (Zn)	USEPA 200.7	7.3 mg/L
Total Polychlorinated Biphenyls	USEPA 608.3	Non-Detect
Total Toxic Organic Compounds	USEPA 624.1 – VOCs USEPA 625.1 – Semi-Volatile Organic Compounds USEPA 625.1 Dioxin Screen USEPA 1613B – Dioxins and Furans	20 µg/L

During the January 2021 sampling event, mercury was detected at a concentration of 0.00026 mg/L, which was above the GLWA permit limit of “non-detect” in the groundwater remediation discharge sampling point SL#4. On January 22, 2021, LTP became aware of the exceedance of the monthly permitting limit and notified the GLWA via phone call and email, in accordance with the permit. As required by Section G(1) of Wastewater Discharge Permit No. 006-27510-IU, two additional samples for mercury analysis were collected on January 26, 2021 and January 28, 2021, within 30 days of becoming aware of the exceedance. The two additional analyses were both non-detect, meaning the Site returned to compliance with the limits identified in Section B of the permit. On February 5, 2021, LTP submitted a 30-Day Report – Exceedance of Mercury Limit to the GLWA outlining the actions taken by LTP after the initial mercury detection and follow up sampling events in accordance with the permit.

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The GLWA discharge permit limits the discharge volume of the HCS to 100,800 gallons per day. Discharge volumes, documented daily and tabulated monthly, have been within discharge limits since system startup. Tabulated discharge volumes for the 1Q 2021 reporting period are presented in **Table 5**.

Historical monthly vapor sampling has shown that the potential uncontrolled VOCs emissions from the system are below the exemption emission limits specified in both Rule 290 and Rule 291 Michigan Air Pollution Control Rules. The system currently operates under the Rule 291 exemption, with annual vapor sampling and monthly water sampling to evaluate Rule 291 compliance. Annual vapor sampling will be completed in October 2021. Vapor samples will be analyzed for VOCs using the USEPA Method TO-15 and results will be reported during the fourth quarter 2021 Progress Report. To date, all vapor emissions have been within discharge limits since system startup. Rule 290 and Rule 291 emissions calculations are documented and available upon request.

3.6 Interim Sub-Slab Depressurization System Operation and Performance Monitoring

The SSDS performance is continually evaluated and monitored. Vapor analytical samples are collected monthly to monitor mass removal, verify destruction efficiency of the catalytic oxidizer, and document emissions compliance with the Rule 290 air permitting exemption of the Michigan Air Pollution Control Rules.

During the reporting period, monthly vapor samples were collected and analyzed for VOCs using USEPA Method TO-15 except for February 2021 when the system was not operating as described below. The March 2021 sample was utilized to calculate emissions for the operational period at the end of February 2021 in addition to March 2021. All vapor emissions have been within discharge limits since system startup. Rule 290 emissions calculations are documented monthly and available upon request.

Due to an oil leak detected at the blower, the SSDS experienced notable downtime during this reporting period. The system was down for most of February while the blower was replaced with a new unit. **Exhibit 5** describes the approximate duration and date of each shutdown. The system operated with an uptime of 70.7 percent during 1Q 2021.

Exhibit 5: SSDS Shutdown Summary – 1Q 2021

Date of Shutdown	Duration of Shutdowns	Summary of Shutdown
January 15, 2021	1 hour	Field staff shut down the system to perform maintenance on the blower. System was returned to operation the same day after maintenance was completed
January 29, 2021 through February 24, 2021	621.45 hours	System shut down for replacement of blower.
February 25, 2021	9.98 hours	System shut down by high lower explosive limit (LEL) warning alarm, field staff manually measured LEL before restarting system.
February 26, 2021	9.52 hours	System shut down by high LEL warning alarm, field staff manually measured LEL before restarting system.

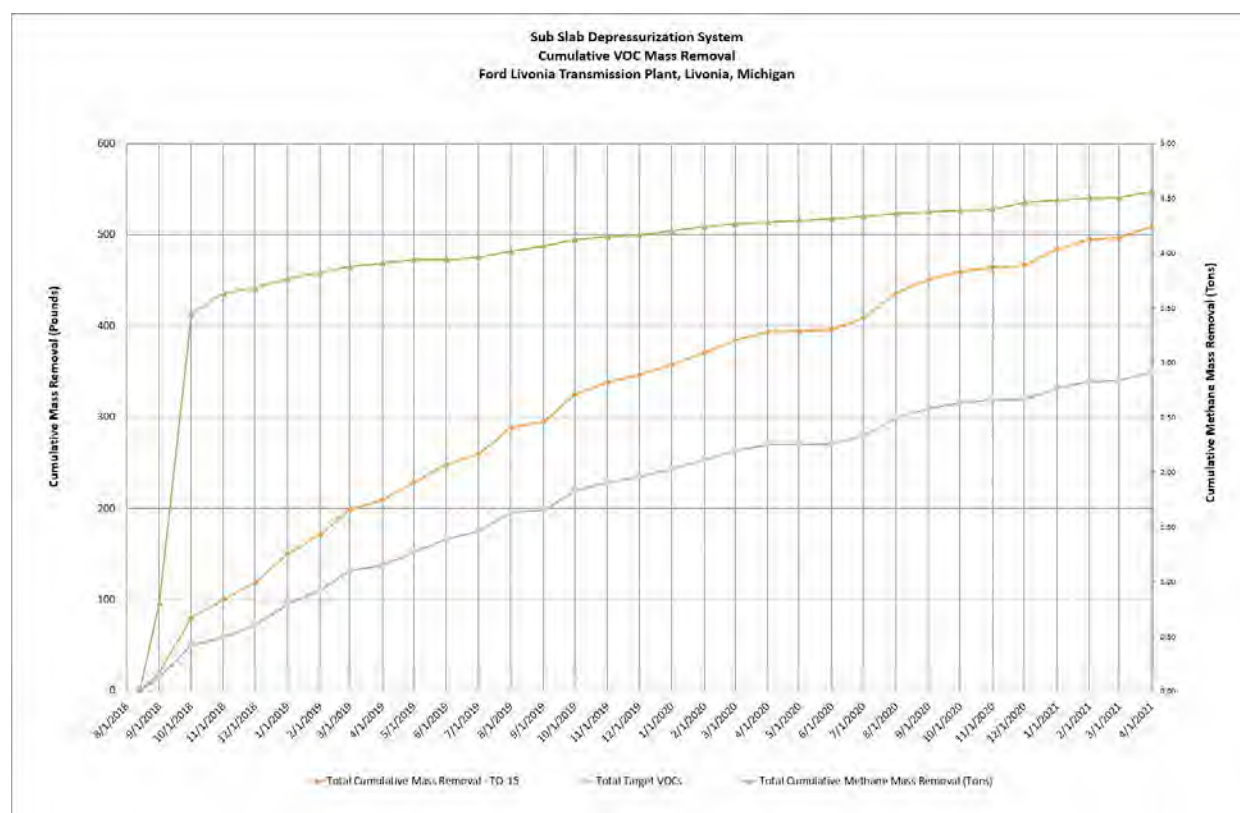
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QUARTERLY PROGRESS REPORT – 1Q 2021

Date of Shutdown	Duration of Shutdowns	Summary of Shutdown
March 8, 2021	0.43 hours	System shut down by high LEL warning alarm, field staff manually measured LEL before restarting system.
March 29, 2021	0.33 hours	Field staff adjusting dilution air flow, system restarted after adjustment.

Exhibit 6 depicts the cumulative constituent-specific mass removal of VOCs from sub-slab soil vapor through the 1Q 2021 reporting period.

Exhibit 6: SSDS Mass Removal – 1Q 2021



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4 ACCESS AGREEMENTS

Access agreements were obtained for two properties where there was a change in ownership during 1Q 2021. Monitoring well MW-175S was not able to be sampled during 1Q 2021 due to access restrictions. Another access agreement will be sent to the property owner for signature prior to the next groundwater sampling event. Ford continues to negotiate in good faith to obtain access to the remaining residential property for completion of response activities.

5 OTHER RELEVANT INFORMATION

5.1 Due Care Obligations

Response activities and plant activities are ongoing and maintain the due care obligation. In addition, to identify potential methane breakthrough, Arcadis performed weekly ambient air monitoring throughout the plant during 1Q 2021. The monitoring is biased toward locations where piping or conduits come through the slab and move above grade.

5.2 Public Outreach

Ford currently has an active website that allows the general public access to project updates: <http://www.fordlivoniabostonbeaconproject.com>. Additionally, during work implementation, Arcadis continues to communicate with EGLE and off-site property owners.

5.3 List of Reporting Documents

A list of all reporting documents submitted during the 1Q 2021 reporting period is included in **Exhibit 7**. During a meeting with EGLE on October 22, 2020, a switch from monthly to quarterly mitigation update letters and residential concern memos was discussed and agreed to. The next EGLE mitigation update letter will be submitted in April 2021.

Exhibit 7: Submitted Reporting Documents – 1Q 2021

Report Title	Submission Date
4Q 2020 Progress Report	January 31, 2021
EGLE Update Letter	January 31, 2021
Residential Concern Memo	January 31, 2021
Revised Interim Groundwater Monitoring Plan	January 26, 2021
Response Activity Plan for the Utility Corridor Addendum #2.	January 27, 2021
CSM and Requested Property Specific Monitoring Program for Five Offsite Mitigation Properties	February 22, 2021
LTP Summary of Individual Off-Site Vapor Intrusion Evaluations and Request for No Additional Investigation	March 19, 2021

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6 WASTE MANAGEMENT

All investigation-derived waste, construction debris, or other waste is properly stored in labeled containers (e.g., 55-gallon drum, roll-off) pending off-site disposal. All waste is managed by Ford and Clean Harbors. Clean Harbors is the Total Waste Manager for the site. All purge water generated during the groundwater sampling event is containerized in buckets and passed through the groundwater treatment system on-site along with storm water collected from off-site mitigation crawl spaces following significant rain events. One drum and one roll off was disposed of during 1Q 2021.

7 PROPOSED SCHEDULE

Future response activities are scheduled as listed in **Exhibit 8**.

Exhibit 8: Response Activity Schedule

Response Activity	Proposed Schedule	Anticipated Completion
2Q 2021 On-site Groundwater Sampling	May 2021	May 2021
2Q 2021 Off-site Groundwater Sampling	May 2021	May 2021
HCS Performance Monitoring	Monthly	Ongoing
SSDS Performance Monitoring	Monthly	Ongoing
Off-Site VI sampling	Second Quarter of 2021	To Be Determined
Off-Site Mitigation Operation, Monitoring, and Maintenance	As needed	Ongoing
2Q 2021 On-Site and Off-Site Utility Corridor VI Assessment	April 2021	April 2021

8 REFERENCES

Arcadis. 2017a. Quality Assurance Project Plan for the Ford Livonia Transmission Plant – On-Site. August.

Arcadis. 2017b. Quality Assurance Project Plan for the Ford Livonia Transmission Plant – Off-Site. August.

Arcadis. 2017c. Conceptual Site Model. August 25.

Arcadis. 2018a. Response Activity Plan - Vapor Intrusion Evaluation. April 13.

Arcadis. 2018b. Response Activity Plan - Remedial Investigation. April 13.

Arcadis. 2020a. Response Activity Plan – Utility Corridor Evaluation. February 11.

Arcadis. 2020b. Response Activity Plan – Utility Corridor Evaluation Addendum. December 4.

Arcadis. 2021a. Interim Groundwater Monitoring Plan. January 26.

Arcadis. 2021b. Response Activity Plan – Utility Corridor Evaluation Addendum 2. January 27.

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QUARTERLY PROGRESS REPORT – 1Q 2021

EGLE. 2018. Part 201 Groundwater: Residential and Nonresidential Part 201 Generic Cleanup Criteria and Screening Levels. Michigan Department of Environment, Great Lakes, and Energy. June.

USEPA. 2008. A Systematic Approach for Evaluation of Capture Zones at Pump and Treat Systems. U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-08/003.

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TABLES



Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
LMW-15-01	673.98	7.0-12.0	11/16/15	8.42	11.36	12.00	665.56	2.94	662.62	664.97
			11/25/15	8.44	11.35	12.00	665.54	2.91	662.63	664.96
			11/30/15	8.38	11.36	12.00	665.60	2.98	662.62	665.01
			12/08/15	8.35	11.35	12.00	665.63	3.00	662.63	665.03
			11/06/17	Could Not Open						
			02/05/18							
			05/07/18	8.34	10.44	NM	665.64	2.10	663.54	665.22
			08/16/18	8.48	10.82	NM	665.50	2.34	663.16	665.03
			11/19/18	8.30	11.30	NM	665.68	3.00	662.68	665.08
			02/22/19	8.36	10.30	11.66	665.62	1.94	663.68	665.23
			06/14/19	8.21	9.42	11.70	665.77	1.21	664.56	665.53
			09/26/19	8.47	10.90	11.66	665.51	2.43	663.08	665.03
			11/04/19	8.43	10.80	NM	665.55	2.37	663.18	665.08
			02/05/20	8.25	9.63	NM	665.73	1.38	664.35	665.46
			05/18/20	8.28	10.12	NM	665.70	1.84	663.86	665.33
			08/17/20	8.36	10.45	NM	665.62	2.09	663.53	665.20
			11/20/20	8.67	11.31	NM ⁽⁵⁾	665.31	2.64	662.67	664.78
			02/08/21	8.75	11.35	NM	665.23	2.60	662.63	664.71
LMW-15-02	673.90	7.0-12.0	11/16/15	7.70	10.10	12.00	666.20	2.40	663.80	665.72
			11/25/15	7.68	9.83	12.00	666.22	2.15	664.07	665.79
			11/30/15	7.66	9.84	12.00	666.24	2.18	664.06	665.80
			12/09/15	7.60	9.76	12.00	666.30	2.16	664.14	665.86
			11/06/17	8.39	11.13	NM	665.51	2.74	662.77	664.96
			02/05/18	8.54	11.02	NM	665.36	2.48	662.88	664.86
			05/07/18	8.31	9.91	NM	665.59	1.60	663.99	665.27
			08/16/18	8.34	9.56	NM	665.56	1.22	664.34	665.31
			11/19/18	8.38	11.32	NM	665.52	2.94	662.58	664.93
			02/22/19	8.35	10.34	11.67	665.55	1.99	663.56	665.15
			06/14/19	8.18	9.01	11.70	665.72	0.83	664.89	665.55
			09/26/19	8.32	10.21	11.67	665.58	1.89	663.69	665.20
			11/04/19	8.33	10.50	NM	665.57	2.17	663.40	665.13
			02/05/20	8.22	9.46	NM	665.68	1.24	664.44	665.43
			05/18/20	8.20	9.29	NM	665.70	1.09	664.61	665.48
			08/17/20	8.20	9.41	NM	665.70	1.21	664.49	665.45
			11/20/20	8.39	10.69	NM ⁽⁵⁾	665.51	2.30	663.21	665.05
			02/08/21	8.38	10.38	NM	665.52	2.00	663.52	665.12
LMW-15-03	670.18	7.0-12.0	11/16/15	6.01	7.46	12.00	664.17	1.45	662.72	663.88
			11/25/15	5.92	7.04	12.00	664.26	1.12	663.14	664.04
			11/30/15	5.81	6.94	12.00	664.37	1.13	663.24	664.14
			12/11/15	5.83	7.26	12.00	664.35	1.43	662.92	664.06
			11/06/17	6.36	7.49	NM	663.82	1.13	662.69	663.59
			02/05/18	6.62	8.41	NM	663.56	1.79	661.77	663.20
			05/07/18	6.03	7.06	NM	664.15	1.03	663.12	663.94
			08/16/18	6.19	6.41	NM	663.99	0.22	663.77	663.95
			11/19/18	NM	NM	NM	NA	NA	NM	NM
			02/22/19	6.38	7.49	11.33	663.80	1.11	662.69	663.58
			06/14/19	5.80	6.85	11.73	664.38	1.05	663.33	664.17
			09/26/19	6.44	7.54	NM	663.74	1.10	662.64	663.52
			11/04/19	6.09	7.30	NM	664.09	1.21	662.88	663.85
			02/05/20	6.16	6.87	NM	664.02	0.71	663.31	663.88
			05/18/20	6.22	7.15	NM	663.96	0.93	663.03	663.77
			08/17/20	6.33	7.33	NM	663.85	1.00	662.85	663.65
			11/20/20	6.72	8.12	NM ⁽⁵⁾	663.46	1.40	662.06	663.18
			02/08/21	6.75	8.40	11.72	663.43	1.65	661.78	663.10
LMW-15-04	673.92	6.0-11.0	11/16/15	7.10	8.79	11.00	666.82	1.69	665.13	666.48
			11/25/15	7.10	8.79	11.00	666.82	1.69	665.13	666.48
			11/30/15	7.06	8.79	11.00	666.86	1.73	665.13	666.52
			12/09/15	7.00	8.86	11.00	666.92	1.86	665.06	666.55
			11/06/17	Could Not Open						
			02/05/18							
			05/07/18	7.68	9.20	NM	666.24	1.52	664.72	665.94
			08/16/18	7.60	9.28	NM	666.32	1.68	664.64	665.99
			11/19/18	7.64	9.20	NM	666.28	1.56	664.72	665.97
			02/22/19	7.69	9.19	10.79	666.23	1.50	664.73	665.93
			06/14/19	7.44	8.97	11.22	666.48	1.53	664.95	666.18
			09/26/19	7.62	9.20	11.20	666.30	1.58	664.72	665.99
			11/04/19	Could Not Open						
			02/05/20							
			05/18/20	7.51	8.98	NM	666.41	1.47	664.94	666.12
			08/17/20	7.52	8.96	NM	666.40	1.44	664.96	666.11
			11/20/20	7.78	9.23	NM ⁽⁵⁾	666.14	1.45	664.69	665.85
			02/08/21	7.84	9.25	NM	666.08	1.41	664.67	665.80
LMW-15-05	673.93	7.0-12.0	11/16/15	8.50	10.20	12.00	665.43	1.70	663.73	665.09
			11/25/15	8.50	9.99	12.00	665.43	1.49	663.94	665.14
			11/30/15	8.47	9.98	12.00	665.46	1.51	663.95	665.16
			12/08/15	8.42	9.92	12.00	665.51	1.50	664.01	665.21
			11/06/17	Could Not Locate						
			02/05/18							
			05/07/18							
			08/16/18	8.98	10.53	NM	664.95	1.55	663.40	664.64
			11/19/18	8.91	10.38	NM	665.02	1.47	663.55	664.73
			02/22/19	8.99	10.49	11.85	664.94	1.50	663.44	664.64
			06/14/19	8.66	10.00	11.83	665.27	1.34	663.93	665.01
			09/26/19	8.96	10.51	NM	664.97	1.55	663.42	664.66
			11/04/19	8.95	10.38	NM	664.98	1.43	663.55	664.70
			02/05/20	Could Not Access Well, covered by storage racks/pallets						
			05/18/20							
			08/17/20	8.85	10.22	NM	665.08	1.37	663.71	664.81
			11/20/20	8.81	10.19	NM	665.12	1.38	663.74	664.85
			11/20/20	9.14	10.70	NM ⁽⁵⁾	664.79	1.56	663.23	664.48
			02/08/21	9.22	10.75	NM	664.71	1.53	663.18	664.41

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Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
LMW-15-06	673.93	7.0-12.0	11/16/15	6.92	8.82	12.00	667.01	1.90	665.11	666.63
			11/25/15	6.89	8.52	12.00	667.04	1.63	665.41	666.72
			11/30/15	6.74	8.39	12.00	667.19	1.65	665.54	666.86
			12/09/15	6.62	8.40	12.00	667.31	1.78	665.53	666.96
			11/06/17	Could Not Open						
			02/05/18							
			05/07/18	6.57	8.16	NM	667.36	1.59	665.77	667.05
			08/16/18	6.93	8.64	NM	667.00	1.71	665.29	666.66
			11/19/18	6.88	8.40	NM	667.05	1.52	665.53	666.75
			02/22/19	6.79	8.42	11.50	667.14	1.63	665.51	666.82
			06/14/19	6.35	8.10	11.53	667.58	1.75	665.83	667.23
			09/26/19	Could Not Open						
			11/04/19	6.70	8.16	NM	667.23	1.46	665.77	666.94
			02/05/20	6.23	7.64	NM	667.70	1.41	666.29	667.42
			05/18/20	6.30	7.83	NM	667.63	1.53	666.10	667.33
			08/17/20	6.58	8.38	NM	667.35	1.80	665.55	666.99
			11/20/20	6.91	8.61	NM ⁽⁵⁾	667.02	1.70	665.32	666.68
			02/08/21	6.96	8.61	NM	666.97	1.65	665.32	666.64
LMW-15-07	673.52	7.0-12.0	11/16/15	NP	7.70	12.00	NA	NA	665.82	665.82
			11/25/15	NP	7.32	12.00	NA	NA	666.20	666.20
			11/30/15	7.14	7.15	12.00	666.38	0.01	666.37	666.38
			12/11/15	7.08	7.09	12.00	666.44	0.01	666.43	666.44
			11/06/17	7.43	7.53	NM	666.09	0.10	665.99	666.07
			02/05/18	Could Not Locate						
			05/07/18							
			08/16/18	7.22	7.34	NM	666.30	0.12	666.18	666.28
			11/19/18	Could Not Locate						
			02/22/19							
			06/14/19	6.31	6.40	11.70	667.21	0.09	667.12	667.19
			09/26/19	7.30	7.35	NM	666.22	0.05	666.17	666.21
			11/04/19	6.52	6.64	NM	667.00	0.12	666.88	666.98
			02/05/20	6.02	6.10	NM	667.50	0.08	667.42	667.48
			05/18/20	5.98	6.02	NM	667.54	0.04	667.50	667.53
			08/17/20	6.79	6.82	NM	666.73	0.03	666.70	666.72
			11/20/20	7.16	7.18	NM ⁽⁵⁾	666.36	0.02	666.34	666.36
			02/08/21	7.19	7.21	NM	666.33	0.02	666.31	666.33
LMW-15-08	673.88	7.5-12.5	11/16/15	NP	6.30	12.50	NA	NA	667.58	667.58
			11/25/15	6.25	6.26	12.50	667.63	0.01	667.62	667.63
			11/30/15	6.12	6.13	12.50	667.76	0.01	667.75	667.76
			12/11/15	6.09	6.10	12.50	667.79	0.01	667.78	667.79
			11/06/17	Could Not Open						
			02/05/18							
			05/07/18	5.72	7.35	NM	668.16	1.63	666.53	667.84
			08/16/18	6.04	7.72	NM	667.84	1.68	666.16	667.51
			11/19/18	5.83	7.59	NM	668.05	1.76	666.29	667.70
			02/22/19	5.92	7.59	12.34	667.96	1.67	666.29	667.63
			06/14/19	Could Not Locate						
			09/26/19	6.10	7.74	NM	667.78	1.64	666.14	667.45
			11/04/19	5.80	7.41	NM	668.08	1.61	666.47	667.76
			02/05/20	5.44	7.03	NM	668.44	1.59	666.85	668.12
			05/18/20	5.47	7.05	NM	668.41	1.58	666.83	668.10
			08/17/20	5.74	7.33	NM	668.14	1.59	666.55	667.82
			11/20/20	6.09	7.71	NM ⁽⁵⁾	667.79	1.62	666.17	667.47
			02/08/21	6.15	7.77	NM	667.73	1.62	666.11	667.41
LMW-15-09	673.93	7.0-12.0	11/16/15	7.82	10.62	12.00	666.11	2.80	663.31	665.55
			11/25/15	7.76	10.51	12.00	666.17	2.75	663.42	665.62
			11/30/15	7.72	10.32	12.00	666.21	2.60	663.61	665.69
			12/10/15	7.73	10.38	12.00	666.20	2.65	663.55	665.67
			11/06/17	8.29	NA	11.75	665.64	3.71	NM	NM**
			02/05/18	8.58	10.50	NM	665.35	1.92	663.43	664.96
			05/07/18	7.95	9.39	NM	665.98	1.44	664.54	665.69
			08/16/18	8.12	10.45	NM	665.81	2.33	663.48	665.34
			11/19/18	8.04	10.01	NM	665.89	1.97	663.92	665.49
			02/22/19	8.09	10.40	11.70	665.84	2.31	663.53	665.38
			06/14/19	Could Not Open						
			09/26/19							
			11/04/19							
			02/05/20	7.98	8.46	NM	665.95	0.48	665.47	665.85
			05/18/20	7.82	9.51	NM	666.11	1.69	664.42	665.77
			08/17/20	7.89	9.44	NM	666.04	1.55	664.49	665.73
			11/20/20	8.01	10.81	NM ⁽⁵⁾	665.92	2.80	663.12	665.36
			02/08/21	8.80	10.59	NM	665.13	1.79	663.34	664.77
LMW-15-10	673.89	7.0-12.0	11/16/15	8.40	9.26	12.00	665.49	0.86	664.63	665.32
			11/25/15	8.32	9.13	12.00	665.57	0.81	664.76	665.41
			11/30/15	8.24	8.96	12.00	665.65	0.72	664.93	665.51
			12/10/15	8.18	8.79	12.00	665.71	0.61	665.10	665.59
			11/06/17	8.69	9.50	NM	665.20	0.81	664.39	665.04
			02/05/18	8.50	8.58	NM	665.39	0.08	665.31	665.38
			05/07/18	8.15	8.28	NM	665.74	0.13	665.61	665.72
			08/16/18	8.47	9.16	NM	665.42	0.69	664.73	665.29
			11/19/18	Could Not Locate						
			02/22/19	8.34	8.65	11.50	665.55	0.31	665.24	665.49
			06/14/19	Could Not Locate						
			09/26/19							
			11/04/19							
			02/05/20							
			05/18/20							
			08/17/20							
			11/20/20							
			02/08/21							

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Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
LMW-20-11	670.61	5.0-15.0	05/18/20	NP	5.21	14.49	NA	NA	665.40	665.40
			08/17/20	NP	5.80	NM	NA	NA	664.81	664.81
			11/20/20	NP	6.03	NM ⁽⁵⁾	NA	NA	664.58	664.58
			02/08/21	NP	5.94	14.49	NA	NA	664.67	664.67
LMW-20-12	673.83	7.0-17.0	05/18/20	NP	7.88	16.45	NA	NA	665.95	665.95
			08/17/20	NP	7.92	NM	NA	NA	665.91	665.91
			11/20/20	NP	8.20	NM ⁽⁵⁾	NA	NA	665.63	665.63
			02/08/21	NP	8.25	16.42	NA	NA	665.58	665.58
LMW-20-13	673.67	6.0-16.0	05/18/20	NP	7.42	14.25	NA	NA	666.25	666.25
			08/17/20	NP	7.55	NM	NA	NA	666.12	666.12
			11/20/20	NP	7.82	NM ⁽⁵⁾	NA	NA	665.85	665.85
			02/08/21	NP	7.84	14.25	NA	NA	665.83	665.83
LMW-20-14	673.74	6.0-16.0	05/18/20	NP	6.52	14.97	NA	NA	667.22	667.22
			08/17/20	NP	6.70	NM	NA	NA	667.04	667.04
			11/20/20	NP	6.94	NM ⁽⁵⁾	NA	NA	666.80	666.80
			02/08/21	NP	7.09	15.04	NA	NA	666.65	666.65
LMW-20-15	671.44	7.5-17.5	05/18/20	NP	6.05	15.00	NA	NA	665.39	665.39
			08/17/20	NP	7.32	NM	NA	NA	664.12	664.12
			11/20/20	NP	7.79	NM ⁽⁵⁾	NA	NA	663.65	663.65
			02/08/21	NP	7.93	15.80	NA	NA	663.51	663.51
LMW-20-16	672.78	7.5-17.5	05/18/20	NP	8.82	16.33	NA	NA	663.96	663.96
			08/17/20	NP	8.88	NM	NA	NA	663.90	663.90
			11/20/20	NP	9.42	NM ⁽⁵⁾	NA	NA	663.36	663.36
			02/08/21	NP	9.58	16.32	NA	NA	663.20	663.20
LMW-20-17	670.80	7.0-17.0	05/18/20	7.32	7.72	NM	663.48	0.40	663.08	663.40
			08/17/20	7.47	8.17	NM	663.33	0.70	662.63	663.19
			11/20/20	7.81	8.81	NM ⁽⁵⁾	662.99	1.00	661.99	662.79
			02/08/21	7.92	8.90	15.00	662.88	0.98	661.90	662.68
LMW-20-18	668.58	6.5-16.5	05/18/20	NP	6.95	15.82	NA	NA	661.63	661.63
			08/17/20	NP	5.80	NM	NA	NA	662.78	662.78
			11/20/20	NP	6.22	NM ⁽⁵⁾	NA	NA	662.36	662.36
			02/08/21	NP	6.47	14.90	NA	NA	662.11	662.11
LMW-20-19	673.51	6.0-16.0	05/18/20	6.71	7.16	NM	666.80	0.45	666.35	666.71
			08/17/20	6.88	7.54	NM	666.63	0.66	665.97	666.50
			11/20/20	7.11	8.39	NM ⁽⁵⁾	666.40	1.28	665.12	666.14
			02/08/21	7.14	8.39	NM	666.37	1.25	665.12	666.12
LMW-20-20	672.64	4.0-14.0	05/18/20	NP	5.78	13.25	NA	NA	666.86	666.86
			08/17/20	NP	5.87	NM	NA	NA	666.77	666.77
			11/20/20	NP	6.22	NM ⁽⁵⁾	NA	NA	666.42	666.42
			02/08/21	NP	6.31	13.25	NA	NA	666.33	666.33
LMW-20-21	673.62	7.0-17.0	05/18/20	NP	9.24	16.20	NA	NA	664.38	664.38
			08/17/20	NP	9.51	NM	NA	NA	664.11	664.11
			11/20/20	NP	9.81	NM ⁽⁵⁾	NA	NA	663.81	663.81
			02/08/21	NP	9.78	16.19	NA	NA	663.84	663.84
LMW-20-22	673.70	6.5-16.5	05/18/20	NP	6.91	15.78	NA	NA	666.79	666.79
			08/17/20	NP	7.05	NM	NA	NA	666.65	666.65
			11/20/20	NP	7.31	NM ⁽⁵⁾	NA	NA	666.39	666.39
			02/08/21	NP	7.32	15.75	NA	NA	666.38	666.38
LMW-20-23	671.70	5.0-15.0	05/18/20	NP	6.20	13.92	NA	NA	665.50	665.50
			08/17/20	NP	6.48	NM	NA	NA	665.22	665.22
			11/20/20	NP	6.94	NM ⁽⁵⁾	NA	NA	664.76	664.76
			02/08/21	NP	7.02	13.92	NA	NA	664.68	664.68
LMW-20-24	672.07	2.0-12.0	08/17/20	NP	2.83	NM	NA	NA	669.24	669.24
			11/20/20	NP	3.16	NM ⁽⁵⁾	NA	NA	668.91	668.91
			02/08/21	NP	3.27	11.39	NA	NA	668.80	668.80
LMW-20-25	670.58	3.0-13.0	08/17/20	Could Not Access Well						
			11/20/20	7.42	7.42	NM ⁽⁵⁾	663.16	0.00	663.16	663.16
			02/08/21	Could Not Access Well, covered by ice/snow						
LMW-20-26	670.70	5.0-15.0	08/17/20	NP	6.95	NM	NA	NA	663.75	663.75
			11/20/20	NP	7.37	NM ⁽⁵⁾	NA	NA	663.33	663.33
			02/08/21	NP	7.41	14.21	NA	NA	663.29	663.29
LMW-20-27	670.35	5.0-15.0	08/17/20	NP	5.57	NM	NA	NA	664.78	664.78
			11/20/20	NP	7.96	NM ⁽⁵⁾	NA	NA	662.39	662.39
			02/08/21	NP	8.02	14.46	NA	NA	662.33	662.33
LMW-20-28	673.75	4.5-14.5	08/17/20	NP	6.18	NM	NA	NA	667.57	667.57
			11/20/20	6.39	6.55	NM ⁽⁵⁾	667.36	0.16	667.20	667.33
			02/08/21	6.40	6.62	NM	667.35	0.22	667.13	667.31
MW-01	670.77	14.0-19.0	04/17/17	NP	3.82	18.61	NA	NA	666.95	666.95
			07/24/17	NP	3.57	18.44	NA	NA	667.20	667.20
			11/06/17	NP	3.93	18.78	NA	NA	666.84	666.84
			02/05/18	Could Not Access Well, well submerged under water						
			05/07/18	NP	3.88	18.60	NA	NA	666.89	666.89
			08/16/18	NP	3.73	NM	NA	NA	667.04	667.04
			11/19/18	NP	3.30	NM	NA	NA	667.47	667.47
			03/01/19	NP	4.77	18.53	NA	NA	666.00	666.00
			06/14/19	NP	3.17	18.64	NA	NA	667.60	667.60
			09/26/19	NP	3.65	18.65	NA	NA	667.12	667.12
			11/04/19	Could Not Access Well, well submerged under water						
			02/05/20	NP	3.38	NM	NA	NA	667.39	667.39
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	3.50	NM	NA	NA	667.27	667.27
			11/20/20	NP	3.82	NM ⁽⁵⁾	NA	NA	666.95	666.95
			02/08/21	Could Not Access Well, covered by ice/snow						
MW-02	673.80	15.5-20.5	05/12/16	NP	6.35	19.52	NA	NA	667.45	667.45
			04/17/17	NP	6.91	19.45	NA	NA	666.89	666.89
			07/24/17	NP	6.99	19.44	NA	NA	666.81	666.81
			11/06/17	NP	7.24	19.50	NA	NA	666.56	666.56
			02/05/18	NP	7.42	19.55	NA	NA	666.38	666.38
			05/07/18	NP	6.92	19.47	NA	NA	666.88	666.88
			08/16/18	NP	7.03	NM	NA	NA	666.77	666.77
			11/19/18	NP	6.56	NM	NA	NA	667.24	667.24
			03/01/19	NP	6.90	19.42	NA	NA	666.90	666.90
			06/14/19	NP	6.69	19.50	NA	NA	667.11	667.11
			09/26/19	NP	6.98	19.43	NA	NA	666.82	666.82
			11/04/19	NP	6.88	19.48	NA	NA	666.92	666.92
			02/05/20	NP	6.78	NM	NA	NA	667.02	667.02
			05/18/20	NP	6.75	19.47	NA	NA	667.05	667.05
			08/17/20	NP	6.83	NM	NA	NA	666.97	666.97
			11/20/20	NP	7.07	NM ⁽⁵⁾	NA	NA	666.73	666.73
02/08/21	NP	7.18	19.52	NA	NA	666.62	666.62			
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Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-03	673.61	14.0-19.0	05/12/16	NP	5.82	18.79	NA	NA	667.79	667.79
			04/17/17	NP	7.09	18.72	NA	NA	666.52	666.52
			07/24/17	NP	7.29	18.43	NA	NA	666.32	666.32
			11/06/17	NP	7.61	18.80	NA	NA	666.00	666.00
			02/05/18	NP	7.70	18.87	NA	NA	665.91	665.91
			05/07/18	NP	7.23	18.74	NA	NA	666.38	666.38
			08/16/18	NP	7.48	NM	NA	NA	666.13	666.13
			11/19/18	NP	7.34	NM	NA	NA	666.27	666.27
			02/22/19	7.25	7.27	18.78	666.36	0.02	666.34	666.36
			06/14/19	NP	7.10	18.64	NA	NA	666.51	666.51
			09/26/19	NP	7.36	18.65	NA	NA	666.25	666.25
			11/04/19	NP	7.25	18.63	NA	NA	666.36	666.36
			02/05/20	NP	7.04	NM	NA	NA	666.57	666.57
			05/18/20	NP	6.91	18.64	NA	NA	666.70	666.70
			08/17/20	NP	7.10	NM	NA	NA	666.51	666.51
			11/20/20	NP	7.33	NM ⁽⁵⁾	NA	NA	666.28	666.28
MW-04	673.85	15.5-20.5	02/08/21	NP	7.33	18.64	NA	NA	666.28	666.28
			05/13/16	NP	7.15	20.20	NA	NA	666.70	666.70
			04/17/17	NP	7.57	20.09	NA	NA	666.28	666.28
			07/24/17	NP	7.61	19.93	NA	NA	666.24	666.24
			11/06/17	NP	7.94	20.05	NA	NA	665.91	665.91
			02/05/18	NP	8.50	20.16	NA	NA	665.35	665.35
			05/07/18	NP	7.60	20.12	NA	NA	666.25	666.25
			08/16/18	NP	7.73	NM	NA	NA	666.12	666.12
			11/19/18	NP	7.59	NM	NA	NA	666.26	666.26
			02/22/19	7.64	7.67	19.93	666.21	0.03	666.18	666.20
			06/14/19	NP	7.39	20.15	NA	NA	666.46	666.46
			09/26/19	NP	7.63	20.12	NA	NA	666.22	666.22
			11/04/19	NP	7.69	20.13	NA	NA	666.16	666.16
			02/05/20	7.48	7.51	NM	666.37	0.03	666.34	666.36
			05/18/20	NP	7.48	20.10	NA	NA	666.37	666.37
			08/17/20	NP	7.54	NM	NA	NA	666.31	666.31
MW-05*	674.40	15.5-20.5	11/20/20	NP	7.90	NM ⁽⁵⁾	NA	NA	665.95	665.95
			02/08/21	NP	7.91	20.10	NA	NA	665.94	665.94
			05/13/16	NP	6.49	21.73	NA	NA	667.91	667.91
			07/24/17	NP	NM	NM	NA	NA	NM	NM
			11/06/17	NP	7.51	19.71	NA	NA	666.89	666.89
			02/05/18	NP	7.70	19.54	NA	NA	666.70	666.70
			05/07/18	NP	7.26	19.63	NA	NA	667.14	667.14
			08/16/18	NP	7.36	NM	NA	NA	667.04	667.04
			11/19/18	NP	7.20	NM	NA	NA	667.20	667.20
			02/22/19	7.22	7.23	19.63	667.18	0.01	667.17	667.18
			06/14/19	NP	7.00	19.68	NA	NA	667.40	667.40
			09/27/19	NP	7.28	19.66	NA	NA	667.12	667.12
			11/04/19	Could Not Access Well, access to Clean Room not granted						
			02/05/20							
			05/18/20	NP	7.05	19.67	NA	NA	667.35	667.35
			08/17/20	NP	7.11	NM	NA	NA	667.29	667.29
MW-07	670.89	18.0-23.0	11/20/20	NP	7.39	NM ⁽⁵⁾	NA	NA	667.01	667.01
			02/08/21	NP	7.45	19.65	NA	NA	666.95	666.95
			07/24/17	NP	4.79	22.39	NA	NA	666.10	666.10
			11/06/17	NP	5.24	22.56	NA	NA	665.65	665.65
			02/06/18	NP	4.48	22.50	NA	NA	666.41	666.41
			05/07/18	NP	4.54	22.35	NA	NA	666.35	666.35
			08/16/18	NP	4.81	NM	NA	NA	666.08	666.08
			11/19/18	NP	4.59	NM	NA	NA	666.30	666.30
			02/22/19	NP	4.65	22.55	NA	NA	666.24	666.24
			06/14/19	NP	4.25	22.40	NA	NA	666.64	666.64
			09/26/19	NP	4.88	22.39	NA	NA	666.01	666.01
			11/04/19	NA	4.82	22.35	NA	NA	666.07	666.07
			02/05/20	NP	4.32	NM	NA	NA	666.57	666.57
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	4.71	NM	NA	NA	666.18	666.18
			11/20/20	NP	5.12	NM ⁽⁵⁾	NA	NA	665.77	665.77
MW-09	671.18	19.5-24.5	02/08/21	NP	5.25	22.37	NA	NA	665.64	665.64
			05/09/16	NP	5.82	24.34	NA	NA	665.36	665.36
			04/17/17	NP	6.79	24.34	NA	NA	664.39	664.39
			07/24/17	NP	5.88	24.29	NA	NA	665.30	665.30
			11/06/17	NP	6.38	24.53	NA	NA	664.80	664.80
			02/05/18	NP	6.40	24.35	NA	NA	664.78	664.78
			05/07/18	NP	5.65	24.20	NA	NA	665.53	665.53
			08/16/18	NP	5.94	NM	NA	NA	665.24	665.24
			11/19/18	NP	5.66	NM	NA	NA	665.52	665.52
			02/22/19	NP	5.74	24.35	NA	NA	665.44	665.44
			06/14/19	NP	5.42	24.25	NA	NA	665.76	665.76
			09/26/19	NP	5.98	24.24	NA	NA	665.2	665.20
			11/04/19	NP	5.96	24.26	NA	NA	665.22	665.22
			02/05/20	NP	5.50	NM	NA	NA	665.68	665.68
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	5.82	NM	NA	NA	665.36	665.36
11/20/20	NP	6.21	NM ⁽⁵⁾	NA	NA	664.97	664.97			
02/08/21	NP	6.32	24.23	NA	NA	664.86	664.86			
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Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-10	673.78	16.5-21.5	05/13/16	NP	8.16	20.81	NA	NA	665.62	665.62
			04/17/17	NP	8.15	20.81	NA	NA	665.63	665.63
			07/24/17	NP	8.58	20.76	NA	NA	665.20	665.20
			11/06/17	NP	6.00	20.84	NA	NA	667.78	667.78
			02/05/18	NP	9.01	15.89	NA	NA	664.77	664.77
			05/07/18	NP	8.68	20.24	NA	NA	665.10	665.10
			08/16/18	NP	8.68	NM	NA	NA	665.10	665.10
			11/19/18	NP	8.49	NM	NA	NA	665.29	665.29
			02/22/19	NP	8.56	10.77	NA	NA	665.22	665.22
			06/14/19	NP	8.30	20.78	NA	NA	665.48	665.48
			09/26/19	NP	8.63	20.75	NA	NA	665.15	665.15
			11/04/19	NP	8.63	20.75	NA	NA	665.15	665.15
			02/05/20	NP	8.38	NM	NA	NA	665.40	665.40
			05/18/20	NP	8.45	20.76	NA	NA	665.33	665.33
			08/17/20	NP	8.49	NM	NA	NA	665.29	665.29
			11/20/20	NP	8.89	NM ⁽⁵⁾	NA	NA	664.89	664.89
			02/08/21	NP	8.96	20.75	NA	NA	664.82	664.82
MW-14	671.24	15.0-20.0	07/24/17	NP	6.63	19.53	NA	NA	664.61	664.61
			11/06/17	NP	7.01	19.61	NA	NA	664.23	664.23
			02/05/18	NP	7.29	19.80	NA	NA	663.95	663.95
			05/07/18	NP	6.14	19.65	NA	NA	665.10	665.10
			08/16/18	NP	6.52	NM	NA	NA	664.72	664.72
			11/19/18	NP	6.19	NM	NA	NA	665.05	665.05
			02/26/19	NP	6.21	19.49	NA	NA	665.03	665.03
			06/14/19	NP	6.91	19.41	NA	NA	664.33	664.33
			09/26/19	NP	6.56	19.29	NA	NA	664.68	664.68
			11/04/19	NP	5.46	19.26	NA	NA	665.78	665.78
			02/05/20	NP	6.00	NM	NA	NA	665.24	665.24
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	6.41	NM	NA	NA	664.83	664.83
			11/20/20	NP	6.89	NM ⁽⁵⁾	NA	NA	664.35	664.35
			02/08/21	NP	7.08	8.75	NA	NA	664.16	664.16
			01/07/16	NP	21.83	99.00	NA	NA	653.34	653.34
MW-15-59D	675.17	94.0-99.0	01/19/16	NP	21.91	99.00	NA	NA	653.26	653.26
			04/19/17	NP	21.37	99.37	NA	NA	653.80	653.80
			07/24/17	NP	28.71	100.80	NA	NA	646.46	646.46
			11/06/17	NP	24.48	100.65	NA	NA	650.69	650.69
			02/05/18	NP	21.44	100.01	NA	NA	653.73	653.73
			05/07/18	NP	23.48	NM	NA	NA	651.69	651.69
			08/16/18	NP	30.45	NM	NA	NA	644.72	644.72
			11/19/18	NP	22.90	NM	NA	NA	652.27	652.27
			02/22/19	NP	21.29	100.02	NA	NA	653.88	653.88
			06/14/19	NM	NM	NM	NA	NA	NM	NM
			09/26/19	NP	28.84	100.25	NA	NA	646.33	646.33
			11/04/19	NP	24.33	100.40	NA	NA	650.84	650.84
			02/05/20	NP	21.06	NM	NA	NA	654.11	654.11
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	27.97	NM	NA	NA	647.20	647.20
			11/20/20	NP	22.85	NM ⁽⁵⁾	NA	NA	652.32	652.32
			02/08/21	NP	21.40	99.85	NA	NA	653.77	653.77
MW-15-60D	675.75	93.0-98.0	01/07/16	NP	19.47	100.00	NA	NA	656.28	656.28
			01/19/16	NP	19.71	100.00	NA	NA	656.04	656.04
			04/19/17	NP	18.65	99.50	NA	NA	657.10	657.10
			07/24/17	NP	24.09	99.92	NA	NA	651.66	651.66
			11/06/17	NP	20.63	99.92	NA	NA	655.12	655.12
			02/05/18	NP	19.61	99.42	NA	NA	656.14	656.14
			05/07/18	NP	19.31	NM	NA	NA	656.44	656.44
			08/16/18	NP	23.85	NM	NA	NA	651.90	651.90
			11/19/18	NP	19.97	NM	NA	NA	655.78	655.78
			02/22/19	NP	19.41	99.46	NA	NA	656.34	656.34
			06/14/19	NP	19.53	99.11	NA	NA	656.22	656.22
			09/26/19	NP	23.12	99.90	NA	NA	652.63	652.63
			11/04/19	NP	20.49	99.89	NA	NA	655.26	655.26
			02/05/20	NP	19.20	NM	NA	NA	656.55	656.55
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	21.76	NM	NA	NA	653.99	653.99
			11/20/20	NP	20.27	NM ⁽⁵⁾	NA	NA	655.48	655.48
MW-15-61D	670.03	88.0-93.0	02/08/21	NP	19.66	NM	NA	NA	656.09	656.09
			01/07/16	NP	76.49	93.00	NA	NA	593.54	593.54
			01/08/16	NP	88.02	93.00	NA	NA	582.01	582.01
			01/19/16	NP	73.23	93.00	NA	NA	596.80	596.80
			01/20/16	NP	89.31	93.00	NA	NA	580.72	580.72
			01/26/16	NP	84.09	93.00	NA	NA	585.94	585.94
			01/27/16	NP	82.42	93.00	NA	NA	587.61	587.61
			01/28/16	NP	80.71	93.00	NA	NA	589.32	589.32
			04/19/17	NP	24.71	93.87	NA	NA	645.32	645.32
			07/24/17	NP	24.74	94.09	NA	NA	645.29	645.29
			11/06/17	NP	26.58	94.72	NA	NA	643.45	643.45
			02/06/18	NP	25.79	94.71	NA	NA	644.24	644.24
			05/07/18	NP	25.63	94.24	NA	NA	644.40	644.40
			08/16/18	NP	56.16	NM	NA	NA	613.87	613.87
			11/19/18	NP	36.37	NM	NA	NA	633.66	633.66
			03/02/19	NP	21.90	92.85	NA	NA	648.13	648.13
			06/14/19	Could Not Access Well, high traffic roadway						
			09/28/19	NP	24.70	94.59	NA	NA	645.33	645.33
			11/04/19	Could Not Access Well, high traffic roadway						
			02/05/20							
			05/18/20							
			08/17/20							
			11/20/20							
			02/08/21							

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Well ID	TOC Elevation (ft. amsl) ⁽¹⁾	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)	
MW-18	670.41	13.0-18.0	05/09/16	NP	6.29	17.89	NA	NA	664.12	664.12	
			04/17/17	NP	6.67	17.90	NA	NA	663.74	663.74	
			07/24/17	NP	6.92	17.70	NA	NA	663.49	663.49	
			11/06/17	NP	7.31	17.80	NA	NA	663.10	663.10	
			02/06/18	NP	7.45	17.85	NA	NA	662.96	662.96	
			05/04/18	NP	6.53	18.01	NA	NA	663.88	663.88	
			08/16/18	NP	6.82	NM	NA	NA	663.59	663.59	
			11/19/18	NP	6.45	17.92	NA	NA	663.96	663.96	
			02/22/19	NP	6.76	18.01	NA	NA	663.65	663.65	
			06/14/19	NP	6.14	17.82	NA	NA	664.27	664.27	
			09/26/19	NP	6.83	17.84	NA	NA	663.58	663.58	
			11/04/19	NP	6.69	17.83	NA	NA	663.72	663.72	
			02/05/20	NP	6.33	NM	NA	NA	664.08	664.08	
			05/18/20	NP	6.40	17.83	NA	NA	664.01	664.01	
			08/17/20	NP	6.68	NM	NA	NA	663.73	663.73	
			11/20/20	NP	7.23	17.84 ⁽⁵⁾	NA	NA	663.18	663.18	
			12/17/20	NP	7.20	17.75	NA	NA	663.21	663.21	
MW-19	669.65	15.0-20.0	02/08/21	NP	7.37	17.80	NA	NA	663.04	663.04	
			05/13/16	NM	NM	NM	NA	NA	NM	NM	
			04/17/17	NM	NM	NM	NA	NA	NM	NM	
			07/24/17	NM	NM	NM	NA	NA	NM	NM	
			11/06/17	NP	5.91	19.85	NA	NA	663.74	663.74	
			02/05/18	NP	6.23	19.84	NA	NA	663.42	663.42	
			05/07/18	NP	5.51	19.98	NA	NA	664.14	664.14	
			08/16/18	NP	5.67	NM	NA	NA	663.98	663.98	
			11/19/18	NP	NM	NM	NA	NA	NM	NM	
			02/22/19	NP	6.47	19.49	NA	NA	663.18	663.18	
			06/14/19	NP	5.31	19.97	NA	NA	664.34	664.34	
			09/26/19	NP	5.94	19.99	NA	NA	663.71	663.71	
			11/04/19	NP	5.72	19.82	NA	NA	663.93	663.93	
			02/05/20	NM	NM	NM	NA	NA	NA	NA	
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	
			08/17/20	NP	8.84	NM	NA	NA	660.81	660.81	
			11/20/20	NP	6.25	20.00 ⁽⁵⁾	NA	NA	663.40	663.40	
MW-20	669.33	13.5-18.5	02/08/21	NP	6.35	20.00	NA	NA	663.30	663.30	
			07/24/17	NP	6.29	16.98	NA	NA	663.04	663.04	
			11/06/17	NP	6.52	16.84	NA	NA	662.81	662.81	
			02/05/18	NP	6.68	16.62	NA	NA	662.65	662.65	
			05/11/18	NP	5.95	16.48	NA	NA	663.38	663.38	
			08/16/18	NP	5.70	NM	NA	NA	663.63	663.63	
			11/19/18	NP	5.49	16.00	NA	NA	663.84	663.84	
			02/22/19	NP	5.97	15.81	NA	NA	663.36	663.36	
			06/14/19	NP	4.95	15.42	NA	NA	664.38	664.38	
			09/26/19	NP	4.67	15.24	NA	NA	664.66	664.66	
			11/04/19	NP	5.65	14.98	NA	NA	663.68	663.68	
			02/05/20	NP	5.46	NM	NA	NA	663.87	663.87	
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	
			08/17/20	NP	5.85	NM	NA	NA	663.48	663.48	
			11/20/20	NP	6.85	NM ⁽⁵⁾	NA	NA	662.48	662.48	
			02/08/21	NP	7.10	14.96	NA	NA	662.23	662.23	
			MW-21	670.76	13.5-18.5	05/13/16	Could Not Open				
04/17/17											
07/24/17											
11/06/17											
02/06/18	NP	7.95				17.74	NA	NA	662.81	662.81	
05/07/18	NP	7.15				17.60	NA	NA	663.61	663.61	
08/16/18	NP	6.65				NM	NA	NA	664.11	664.11	
11/19/18	NP	6.85		17.71		NA	NA	663.91	663.91		
02/22/19	NP	7.40		17.60		NA	NA	663.36	663.36		
06/14/19	NP	6.57		18.60		NA	NA	664.19	664.19		
09/26/19	NP	6.94		17.64		NA	NA	663.82	663.82		
669.72	11/04/19	NP		6.81		17.65	NA	NA	662.91	662.91	
	02/05/20	NP		7.20		NM	NA	NA	662.52	662.52	
	05/18/20	7.06		7.07		17.67	662.66	0.01	662.65	662.66	
	08/17/20	NP		6.95		NM	NA	NA	662.77	662.77	
	11/20/20	NP		7.49		NM ⁽⁵⁾	NA	NA	662.23	662.23	
	02/08/21	NP		7.78		17.36	NA	NA	661.94	661.94	
	MW-22	670.18	16.5-21.5	05/10/16	NP	6.18	20.83	NA	NA	664.00	664.00
				04/17/17	NP	7.13	21.41	NA	NA	663.05	663.05
				07/24/17	NP	7.53	20.42	NA	NA	662.65	662.65
				11/06/17	NP	7.51	20.51	NA	NA	662.67	662.67
02/05/18				NP	7.61	20.48	NA	NA	662.57	662.57	
05/07/18				NP	6.66	20.50	NA	NA	663.52	663.52	
08/16/18				NP	6.71	NM	NA	NA	663.47	663.47	
11/19/18				NP	7.14	NM	NA	NA	663.04	663.04	
02/22/19				NP	7.54	20.45	NA	NA	662.64	662.64	
06/14/19				NP	6.53	20.48	NA	NA	663.65	663.65	
09/26/19				NP	7.48	20.47	NA	NA	662.70	662.70	
670.20		11/04/19		NP	7.43	20.46	NA	NA	662.77	662.77	
		02/05/20		NP	7.43	NM	NA	NA	662.77	662.77	
		05/18/20		NP	7.49	20.50	NA	NA	662.71	662.71	
		08/17/20		NP	7.56	NM	NA	NA	662.64	662.64	
		11/20/20		NP	7.98	NM ⁽⁵⁾	NA	NA	662.22	662.22	
		12/17/20		NP	8.02	20.51	NA	NA	662.18	662.18	
	02/08/21	NP	8.14	20.45	NA	NA	662.06	662.06			
	03/23/21	NP	8.26	NM	NA	NA	661.94	661.94			

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Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-23	669.24	15.0-20.0	05/09/16	NP	6.23	19.82	NA	NA	663.01	663.01
			04/17/17	NP	6.67	19.79	NA	NA	662.57	662.57
			07/24/17	NP	6.69	19.72	NA	NA	662.55	662.55
			11/06/17	NP	6.60	19.72	NA	NA	662.64	662.64
			02/06/18	NP	6.93	NM	NA	NA	662.31	662.31
			05/07/18	NP	5.67	19.70	NA	NA	663.57	663.57
			08/16/18	NP	5.80	NM	NA	NA	663.44	663.44
			11/19/18	NP	5.75	NM	NA	NA	663.49	663.49
			02/22/19	Could Not Access Well, covered by ice/snow						
			06/14/19	NP	5.33	19.46	NA	NA	663.91	663.91
			09/26/19	NP	6.34	19.48	NA	NA	662.90	662.90
			11/04/19	NP	6.22	19.69	NA	NA	663.02	663.02
			02/05/20	NP	5.93	NM	NA	NA	663.31	663.31
			05/18/20	NP	6.35	19.70	NA	NA	662.89	662.89
			08/17/20	NP	6.37	NM	NA	NA	662.87	662.87
			11/20/20	NP	6.80	NM ⁽⁵⁾	NA	NA	662.44	662.44
			12/17/20	NP	6.83	19.70	NA	NA	662.41	662.41
			02/08/21	NP	7.08	19.68	NA	NA	662.16	662.16
			03/23/21	NP	7.30	NM	NA	NA	661.94	661.94
MW-24	675.48	19.0-24.0	04/17/17	NP	9.32	23.85	NA	NA	666.16	666.16
			07/24/17	NP	10.01	23.90	NA	NA	665.47	665.47
			11/06/17	NP	10.40	23.76	NA	NA	665.08	665.08
			02/05/18	NP	10.37	23.99	NA	NA	665.11	665.11
			05/07/18	NP	9.38	23.70	NA	NA	666.10	666.10
			08/16/18	NP	10.01	NM	NA	NA	665.47	665.47
			11/19/18	NP	9.56	NM	NA	NA	665.92	665.92
			02/22/19	NP	9.55	23.95	NA	NA	665.93	665.93
			06/14/19	NP	9.21	23.73	NA	NA	666.27	666.27
			09/26/19	NP	10.09	23.87	NA	NA	665.39	665.39
			11/04/19	NP	9.95	23.71	NA	NA	665.53	665.53
			02/05/20	NP	9.21	NM	NA	NA	666.27	666.27
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	9.88	NM	NA	NA	665.60	665.60
			11/20/20	NP	10.34	NM ⁽⁵⁾	NA	NA	665.14	665.14
			02/08/21	NP	10.41	23.71	NA	NA	665.07	665.07
			04/17/17	NP	5.35	20.54	NA	NA	669.69	669.69
MW-25	675.04	16.0-21.0	07/24/17	NP	6.34	20.52	NA	NA	668.70	668.70
			11/06/17	NP	6.51	20.38	NA	NA	668.53	668.53
			02/05/18	NP	6.55	20.52	NA	NA	668.49	668.49
			05/07/18	NP	4.98	20.25	NA	NA	670.06	670.06
			08/16/18	NP	6.19	NM	NA	NA	668.85	668.85
			11/19/18	NP	5.77	NM	NA	NA	669.27	669.27
			02/22/19	NP	5.51	20.48	NA	NA	669.53	669.53
			06/14/19	NP	4.89	20.52	NA	NA	670.15	670.15
			09/26/19	NP	6.05	20.50	NA	NA	668.99	668.99
			11/04/19	NP	5.15	20.50	NA	NA	669.89	669.89
			02/05/20	NP	5.22	NM	NA	NA	669.82	669.82
			05/18/20	NP	4.65	20.51	NA	NA	670.39	670.39
			08/17/20	NP	5.93	NM	NA	NA	669.11	669.11
			11/20/20	NP	6.18	NM ⁽⁵⁾	NA	NA	668.86	668.86
			02/08/21	NP	6.25	20.51	NA	NA	668.79	668.79
			07/24/17	NP	5.96	14.09	NA	NA	667.43	667.43
			11/06/17	NP	6.09	14.10	NA	NA	667.30	667.30
MW-26	673.39	4.5-14.5	02/05/18	NP	6.08	14.05	NA	NA	667.31	667.31
			05/07/18	NP	5.24	13.90	NA	NA	668.15	668.15
			08/16/18	NP	5.98	NM	NA	NA	667.41	667.41
			11/19/18	NP	5.52	NM	NA	NA	667.87	667.87
			02/28/19	NP	4.55	14.50	NA	NA	668.84	668.84
			06/14/19	NP	5.01	14.05	NA	NA	668.38	668.38
			09/26/19	NP	6.11	14.04	NA	NA	667.28	667.28
			11/04/19	NP	5.30	14.05	NA	NA	668.09	668.09
			02/05/20	NP	4.85	NM	NA	NA	668.54	668.54
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	5.66	NM	NA	NA	667.73	667.73
			11/20/20	NP	6.00	NM ⁽⁵⁾	NA	NA	667.39	667.39
			02/08/21	NP	6.09	14.03	NA	NA	667.30	667.30
MW-27*			Well Inaccessible							
MW-28	668.15	2.0-12.0	05/09/16	NP	3.21	11.81	NA	NA	664.94	664.94
			04/17/17	NP	3.78	11.69	NA	NA	664.37	664.37
			07/24/17	NP	4.61	11.73	NA	NA	663.54	663.54
			11/06/17	NP	4.81	11.68	NA	NA	663.34	663.34
			02/05/18	NP	4.63	11.65	NA	NA	663.52	663.52
			05/07/18	NP	3.67	11.67	NA	NA	664.48	664.48
			08/16/18	NP	4.64	NM	NA	NA	663.51	663.51
			11/19/18	NP	4.11	NM	NA	NA	664.04	664.04
			02/22/19	NP	3.98	11.64	NA	NA	664.17	664.17
			06/14/19	NP	3.50	11.65	NA	NA	664.65	664.65
			09/26/19	NP	4.67	11.65	NA	NA	663.48	663.48
			11/04/19	NP	4.01	11.68	NA	NA	664.14	664.14
			02/05/20	NP	3.27	NM	NA	NA	664.88	664.88
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	4.08	NM	NA	NA	664.07	664.07
			11/20/20	NP	4.48	NM ⁽⁵⁾	NA	NA	663.67	663.67
			02/08/21	NP	4.31	11.67	NA	NA	663.84	663.84

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Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-29	669.45	5.0-15.0	05/13/16	NP	4.10	14.85	NA	NA	665.35	665.35
			04/17/17	NP	4.53	14.84	NA	NA	664.92	664.92
			07/24/17	NP	5.41	14.90	NA	NA	664.04	664.04
			11/06/17	NP	6.65	15.81	NA	NA	662.80	662.80
			02/05/18	NP	5.52	14.84	NA	NA	663.93	663.93
			05/07/18	NP	4.64	14.80	NA	NA	664.81	664.81
			08/16/18	NP	5.44	NM	NA	NA	664.01	664.01
			11/19/18	NP	5.10	NM	NA	NA	664.35	664.35
			02/22/19	NP	5.09	14.87	NA	NA	664.36	664.36
			06/14/19	NM	NM	NM	NA	NA	NM	NM
			09/26/19	NP	5.50	14.90	NA	NA	663.95	663.95
			11/04/19	NP	5.22	19.75 ⁽²⁾	NA	NA	664.23	664.23
			02/05/20	NP	4.65	NM	NA	NA	664.80	664.80
			05/18/20	NP	4.70	14.87	NA	NA	664.75	664.75
			08/17/20	NP	5.12	NM	NA	NA	664.33	664.33
			11/20/20	NP	5.43	14.90 ⁽⁵⁾	NA	NA	664.02	664.02
MW-30	670.70	19.0-24.0	02/08/21	NP	5.36	14.73	NA	NA	664.09	664.09
			05/09/16	NP	9.37	24.82	NA	NA	661.33	661.33
			04/17/17	NP	9.86	24.78	NA	NA	660.84	660.84
			07/24/17	NP	9.93	24.73	NA	NA	660.77	660.77
			11/06/17	NP	10.47	24.84	NA	NA	660.23	660.23
			02/05/18	NP	10.31	24.69	NA	NA	660.39	660.39
			05/07/18	NP	9.03	24.70	NA	NA	661.67	661.67
			08/16/18	NP	9.51	NM	NA	NA	661.19	661.19
			11/19/18	NP	9.23	NM	NA	NA	661.47	661.47
			02/22/19	NP	9.45	24.91	NA	NA	661.25	661.25
			06/14/19	NP	8.50	24.74	NA	NA	662.20	662.20
			09/26/19	NP	9.81	24.65	NA	NA	660.89	660.89
			11/04/19	NP	10.01	24.71	NA	NA	660.69	660.69
			02/05/20	NP	9.47	NM	NA	NA	661.23	661.23
			05/18/20	NP	9.38	NM	NA	NA	661.32	661.32
			08/17/20	NP	9.74	NM	NA	NA	660.96	660.96
MW-31	670.82	17.0-22.0	11/20/20	NP	10.37	NM ⁽⁵⁾	NA	NA	660.33	660.33
			12/17/20	NP	10.43	24.70	NA	NA	660.27	660.27
			02/08/21	NP	10.42	24.72	NA	NA	660.28	660.28
			03/23/21	NP	10.62	NM	NA	NA	660.08	660.08
			05/09/16	NP	9.96	21.75	NA	NA	660.86	660.86
			04/17/17	NP	10.13	21.78	NA	NA	660.69	660.69
			07/24/17	NP	10.19	21.69	NA	NA	660.63	660.63
			11/06/17	NP	10.65	21.92	NA	NA	660.17	660.17
			02/05/18	NP	10.70	21.48	NA	NA	660.12	660.12
			05/07/18	NP	9.23	21.67	NA	NA	661.59	661.59
			08/16/18	NP	9.58	NM	NA	NA	661.24	661.24
			11/19/18	NP	9.31	NM	NA	NA	661.51	661.51
			02/22/19	NP	9.69	21.66	NA	NA	661.13	661.13
			06/14/19	NP	8.58	21.68	NA	NA	662.24	662.24
			09/26/19	NP	9.84	21.68	NA	NA	660.98	660.98
			11/04/19	NP	9.91	21.70	NA	NA	660.91	660.91
MW-32	670.43	18.0-23.0	02/05/20	NP	9.50	NM	NA	NA	661.32	661.32
			05/18/20	NP	9.61	21.68	NA	NA	661.21	661.21
			08/17/20	NP	9.77	NM	NA	NA	661.05	661.05
			11/20/20	NP	10.42	NM ⁽⁵⁾	NA	NA	660.40	660.40
			12/17/20	NP	10.43	21.69	NA	NA	660.39	660.39
			02/08/21	NP	10.76	21.43	NA	NA	660.06	660.06
			03/23/21	NP	10.88	NM	NA	NA	659.94	659.94
			05/09/16	NP	9.64	22.92	NA	NA	660.79	660.79
			04/17/17	NP	9.52	22.91	NA	NA	660.91	660.91
			07/24/17	NP	9.71	22.71	NA	NA	660.72	660.72
			11/06/17	NP	10.18	23.03	NA	NA	660.25	660.25
			02/05/18	NP	10.17	22.78	NA	NA	660.26	660.26
			05/07/18	NP	8.73	22.83	NA	NA	661.70	661.70
			08/16/18	NP	9.07	NM	NA	NA	661.36	661.36
			11/19/18	NP	8.72	NM	NA	NA	661.71	661.71
			02/22/19	NP	9.19	19.93	NA	NA	661.24	661.24
MW-33	669.94	14.0-19.0	06/14/19	NP	8.00	22.73	NA	NA	662.43	662.43
			09/26/19	NP	9.26	22.84	NA	NA	661.17	661.17
			11/04/19	NP	9.32	22.84	NA	NA	661.11	661.11
			02/05/20	NP	8.79	NM	NA	NA	661.64	661.64
			05/18/20	NP	8.99	22.82	NA	NA	661.44	661.44
			08/17/20	NP	9.15	NM	NA	NA	661.28	661.28
			11/20/20	NP	9.80	NM ⁽⁵⁾	NA	NA	660.63	660.63
			12/17/20	NP	9.89	22.73	NA	NA	660.54	660.54
			02/08/21	NP	10.18	22.73	NA	NA	660.25	660.25
			05/09/16	NP	8.68	18.76	NA	NA	661.26	661.26
			04/17/17	NP	8.76	18.75	NA	NA	661.18	661.18
			07/24/17	NP	8.84	19.72	NA	NA	661.10	661.10
			11/06/17	NP	8.58	19.08	NA	NA	661.36	661.36
			02/05/18	NP	8.63	18.74	NA	NA	661.31	661.31
			05/07/18	NP	7.34	18.66	NA	NA	662.60	662.60
			08/16/18	NP	7.59	NM	NA	NA	662.35	662.35
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Well ID	TOC Elevation (ft. amsl) ⁽¹⁾	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)			
MW-34	670.49	16.5-21.5	05/09/16	NP	7.98	21.21	NA	NA	662.51	662.51			
			04/17/17	NP	8.83	21.30	NA	NA	661.66	661.66			
			07/24/17	NP	9.45	21.23	NA	NA	661.04	661.04			
			11/06/17	NP	10.02	21.65	NA	NA	660.47	660.47			
			02/05/18	NP	9.73	21.35	NA	NA	660.76	660.76			
			05/07/18	NP	8.34	21.26	NA	NA	662.15	662.15			
			08/16/18	NP	9.18	21.26	NA	NA	661.31	661.31			
			11/19/18	NP	8.79	NM	NA	NA	661.70	661.70			
			02/22/19	NP	9.18	20.20	NA	NA	661.31	661.31			
			06/14/19	NP	7.95	21.26	NA	NA	662.54	662.54			
			09/26/19	NP	9.39	21.28	NA	NA	661.10	661.10			
			11/04/19	NP	9.32	20.27 ⁽²⁾	NA	NA	661.17	661.17			
			02/05/20	NP	9.05	NM	NA	NA	661.44	661.44			
			05/18/20	NP	8.79	21.26	NA	NA	661.70	661.70			
			08/17/20	NP	9.31	NM	NA	NA	661.18	661.18			
			11/20/20	NP	9.93	NM ⁽⁵⁾	NA	NA	660.56	660.56			
			12/17/20	NP	9.85	21.30	NA	NA	660.64	660.64			
			02/08/21	NP	9.97	21.29	NA	NA	660.52	660.52			
			03/23/21	NP	9.88	NM	NA	NA	660.61	660.61			
			MW-35	669.44	19.5-24.5	05/09/16	NP	6.62	24.48	NA	NA	662.82	662.82
04/17/17	NP	7.16				24.63	NA	NA	662.28	662.28			
07/24/17	NP	8.55				24.44	NA	NA	660.89	660.89			
11/06/17	NP	9.11				24.45	NA	NA	660.33	660.33			
02/05/18	NP	8.63				24.50	NA	NA	660.81	660.81			
05/07/18	NP	7.03				24.40	NA	NA	662.41	662.41			
08/16/18	NP	8.30				NM	NA	NA	661.14	661.14			
11/19/18	NP	7.76				NM	NA	NA	661.68	661.68			
02/22/19	NP	7.64				24.55	NA	NA	661.80	661.80			
06/14/19	NP	6.85				24.35	NA	NA	662.59	662.59			
09/26/19	NP	8.60				23.34	NA	NA	660.84	660.84			
11/04/19	NP	8.45				24.29	NA	NA	660.99	660.99			
02/05/20	NP	7.46				NM	NA	NA	661.98	661.98			
05/18/20	NP	7.32				24.25	NA	NA	662.12	662.12			
08/17/20	NP	8.37				NM	NA	NA	661.07	661.07			
11/20/20	NP	8.96				NM ⁽⁵⁾	NA	NA	660.48	660.48			
12/17/20	NP	8.87				24.25	NA	NA	660.57	660.57			
02/08/21	NP	8.92				24.25	NA	NA	660.52	660.52			
03/23/21	NP	8.68				NM	NA	NA	660.76	660.76			
MW-36	676.39	20.0-25.0				07/24/17	NP	9.49	24.75	NA	NA	666.90	666.90
			11/06/17	NP	10.98	24.88	NA	NA	665.41	665.41			
			02/05/18	NP	10.15	24.91	NA	NA	666.24	666.24			
			05/07/18	NP	9.28	24.72	NA	NA	667.11	667.11			
			08/16/18	NP	9.55	NM	NA	NA	666.84	666.84			
			11/19/18	NP	9.34	NM	NA	NA	667.05	667.05			
			02/22/19	NP	9.42	24.89	NA	NA	666.97	666.97			
			06/14/19	NP	8.90	24.80	NA	NA	667.49	667.49			
			09/26/19	NP	9.65	24.82	NA	NA	666.74	666.74			
			11/04/19	NP	9.63	24.83	NA	NA	666.76	666.76			
			02/05/20	NP	9.05	NM	NA	NA	667.34	667.34			
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾			
			08/17/20	NP	9.46	NM	NA	NA	666.93	666.93			
			11/20/20	NP	10.91	NM ⁽⁵⁾	NA	NA	665.48	665.48			
			02/08/21	NP	10.06	24.74	NA	NA	666.33	666.33			
			MW-37	671.24	18.0-23.0	07/24/17	NP	8.14	24.75	NA	NA	663.10	663.10
						11/06/17	NP	8.26	23.18	NA	NA	662.98	662.98
						02/05/18	NP	8.33	22.80	NA	NA	662.91	662.91
						05/07/18	NP	7.01	22.76	NA	NA	664.23	664.23
						08/16/18	NP	7.49	NM	NA	NA	663.75	663.75
11/19/18	NP	7.13				NM	NA	NA	664.11	664.11			
02/22/19	NP	7.54				22.92	NA	NA	663.70	663.70			
06/14/19	NP	6.67				22.67	NA	NA	664.57	664.57			
09/26/19	NP	7.79				22.68	NA	NA	663.45	663.45			
11/04/19	NP	7.62				22.69	NA	NA	663.62	663.62			
02/05/20	NP	7.14				NM	NA	NA	664.10	664.10			
05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾				NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾			
08/17/20	NP	7.80				NM	NA	NA	663.44	663.44			
11/20/20	NP	8.34				NM ⁽⁵⁾	NA	NA	662.90	662.90			
12/17/20	NP	8.31	22.68	NA	NA	662.93	662.93						
02/08/21	NP	8.47	22.69	NA	NA	662.77	662.77						
MW-38	671.79	15.0-20.0	04/17/17	NP	8.23	19.55	NA	NA	663.56	663.56			
			07/24/17	NP	8.69	23.69	NA	NA	663.10	663.10			
			11/06/17	NP	8.53	19.75	NA	NA	663.26	663.26			
			02/05/18	NP	8.67	19.65	NA	NA	663.12	663.12			
			05/07/18	NP	7.28	19.50	NA	NA	664.51	664.51			
			08/16/18	NP	7.61	NM	NA	NA	664.18	664.18			
			11/19/18	NP	7.40	NM	NA	NA	664.39	664.39			
			02/22/19	NP	8.00	19.59	NA	NA	663.79	663.79			
			06/14/19	NP	6.90	19.50	NA	NA	664.89	664.89			
			09/26/19	NP	8.05	19.53	NA	NA	663.74	663.74			
			11/04/19	NP	7.92	19.51	NA	NA	663.87	663.87			
			02/05/20	NP	7.61	NM	NA	NA	664.18	664.18			
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾			
			08/17/20	NP	8.04	NM	NA	NA	663.75	663.75			
			11/20/20	NP	8.66	NM ⁽⁵⁾	NA	NA	663.13	663.13			
			12/17/20	NP	8.64	19.51	NA	NA	663.15	663.15			
			02/08/21	NP	8.98	19.51	NA	NA	662.81	662.81			
			See Notes on Last Page.										

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-39	672.19	19.5-24.5	04/19/17	NP	11.08	24.14	NA	NA	661.11	661.11
			07/24/17	NP	11.41	23.92	NA	NA	660.78	660.78
			11/06/17	NP	11.64	24.36	NA	NA	660.55	660.55
			02/05/18	NP	11.63	24.30	NA	NA	660.56	660.56
			05/07/18	NP	10.25	24.16	NA	NA	661.94	661.94
			08/16/18	NP	10.55	NM	NA	NA	661.64	661.64
			11/19/18	NP	10.24	NM	NA	NA	661.95	661.95
			02/22/19	NP	10.74	24.10	NA	NA	661.45	661.45
			06/14/19	NP	9.60	24.19	NA	NA	662.59	662.59
			09/26/19	NP	10.81	24.16	NA	NA	661.38	661.38
			11/04/19	NP	10.86	24.18	NA	NA	661.33	661.33
			02/05/20	NP	10.35	NM	NA	NA	661.84	661.84
			05/18/20	NP	10.61	24.15	NA	NA	661.58	661.58
			08/17/20	NP	10.73	NM	NA	NA	661.46	661.46
			11/20/20	NP	11.34	NM ⁽⁵⁾	NA	NA	660.85	660.85
			12/17/20	NP	11.43	24.22	NA	NA	660.76	660.76
			02/08/21	NP	11.76	24.19	NA	NA	660.43	660.43
MW-40	670.65	15.0-20.0	03/23/21	NP	11.86	NM	NA	NA	660.33	660.33
			05/09/16	NP	9.94	19.72	NA	NA	660.71	660.71
			04/19/17	NP	9.98	19.72	NA	NA	660.67	660.67
			07/24/17	NP	10.10	19.66	NA	NA	660.55	660.55
			11/06/17	NP	10.58	19.75	NA	NA	660.07	660.07
			02/05/18	NP	10.62	19.43	NA	NA	660.03	660.03
			05/07/18	NP	9.15	19.64	NA	NA	661.50	661.50
			08/16/18	NP	9.46	NM	NA	NA	661.19	661.19
			11/19/18	NP	9.13	NM	NA	NA	661.52	661.52
			02/22/19	NP	9.54	19.62	NA	NA	661.11	661.11
			06/14/19	NP	8.40	19.65	NA	NA	662.25	662.25
			09/26/19	NP	9.66	19.64	NA	NA	660.99	660.99
			11/04/19	NP	9.64	19.52	NA	NA	661.01	661.01
			02/05/20	NP	9.23	NM	NA	NA	661.42	661.42
			05/18/20	NP	9.42	19.36	NA	NA	661.23	661.23
			08/17/20	NP	9.54	NM	NA	NA	661.11	661.11
			11/20/20	NP	10.24	NM ⁽⁵⁾	NA	NA	660.41	660.41
			12/17/20	NP	10.29	19.66	NA	NA	660.36	660.36
MW-41	670.34	16.0-21.0	02/08/21	Could Not Access Well						
			03/23/21	NP	10.74	NM	NA	NA	659.91	659.91
			05/09/16	NP	8.20	20.97	NA	NA	662.14	662.14
			04/19/17	NP	8.97	20.99	NA	NA	661.37	661.37
			07/24/17	NP	9.39	20.78	NA	NA	660.95	660.95
			11/06/17	NP	9.96	21.25	NA	NA	660.38	660.38
			02/05/18	NP	9.75	20.85	NA	NA	660.59	660.59
			05/07/18	NP	8.35	20.94	NA	NA	661.99	661.99
			08/16/18	NP	9.06	NM	NA	NA	661.28	661.28
			11/19/18	NP	8.73	NM	NA	NA	661.61	661.61
			02/22/19	NP	8.81	20.93	NA	NA	661.53	661.53
			06/14/19	NP	7.80	20.95	NA	NA	662.54	662.54
			09/26/19	NP	9.29	20.78	NA	NA	661.05	661.05
			11/04/19	NP	9.28	20.95	NA	NA	661.06	661.06
			02/05/20	NP	8.77	NM	NA	NA	661.57	661.57
			05/18/20	NP	8.67	20.93	NA	NA	661.67	661.67
			08/17/20	NP	9.22	NM	NA	NA	661.12	661.12
MW-42	670.10	16.0-21.0	11/20/20	NP	9.78	NM ⁽⁵⁾	NA	NA	660.56	660.56
			12/17/20	NP	9.80	20.79	NA	NA	660.54	660.54
			02/08/21	NP	9.97	20.89	NA	NA	660.37	660.37
			03/23/21	NP	9.93	NM	NA	NA	660.41	660.41
			05/09/16	NP	7.29	11.52	NA	NA	662.81	662.81
			04/19/17	NP	8.01	20.48	NA	NA	662.09	662.09
			07/24/17	NP	9.13	20.43	NA	NA	660.97	660.97
			11/06/17	NP	9.76	20.77	NA	NA	660.34	660.34
			02/05/18	NP	9.32	20.55	NA	NA	660.78	660.78
			05/07/18	NP	7.81	20.43	NA	NA	662.29	662.29
			08/16/18	NP	8.94	NM	NA	NA	661.16	661.16
			11/19/18	NP	8.46	NM	NA	NA	661.64	661.64
			02/22/19	NP	8.42	19.42	NA	NA	661.68	661.68
			06/14/19	NP	7.56	20.44	NA	NA	662.54	662.54
			09/26/19	NP	9.10	20.46	NA	NA	661.00	661.00
			11/04/19	NP	9.13	20.46	NA	NA	660.97	660.97
			02/05/20	NP	8.26	NM	NA	NA	661.84	661.84
MW-43	669.24	17.0-22.0	05/18/20	NP	8.11	20.44	NA	NA	661.99	661.99
			08/17/20	NP	9.00	NM	NA	NA	661.10	661.10
			11/20/20	NP	9.59	NM ⁽⁵⁾	NA	NA	660.51	660.51
			12/17/20	NP	9.51	20.48	NA	NA	660.59	660.59
			02/08/21	NP	9.59	20.47	NA	NA	660.51	660.51
			03/23/21	NP	9.37	NM	NA	NA	660.73	660.73
			05/09/16	NP	6.34	21.85	NA	NA	662.90	662.90
			04/19/17	NP	6.80	26.82	NA	NA	662.44	662.44
			07/24/17	NP	8.34	21.79	NA	NA	660.90	660.90
			11/06/17	NP	8.92	21.98	NA	NA	660.32	660.32
			02/05/18	NP	8.42	21.80	NA	NA	660.82	660.82
			05/07/18	NP	6.78	21.76	NA	NA	662.46	662.46
			08/16/18	NP	8.17	NM	NA	NA	661.07	661.07
			11/19/18	NP	7.54	NM	NA	NA	661.70	661.70
			02/22/19	NP	7.34	21.95	NA	NA	661.90	661.90
			06/14/19	NP	6.55	21.54	NA	NA	662.69	662.69
			09/26/19	NP	8.45	21.56	NA	NA	660.79	660.79
			11/04/19	NP	8.14	21.53	NA	NA	661.10	661.10
			02/05/20	NP	7.18	NM	NA	NA	662.06	662.06
			05/18/20	NP	6.93	21.76	NA	NA	662.31	662.31
			08/17/20	NP	8.24	NM	NA	NA	661.00	661.00
			11/20/20	NP	8.84	NM ⁽⁵⁾	NA	NA	660.40	660.40
			12/17/20	NP	8.70	21.78	NA	NA	660.54	660.54
			02/08/21	NP	8.80	21.79	NA	NA	660.44	660.44
			03/23/21	NP	8.52	NM	NA	NA	660.72	660.72

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Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-44	671.48	16.0-21.0	05/09/16	NP	6.59	17.42	NA	NA	664.89	664.89
			04/19/17	NP	7.48	19.95	NA	NA	664.00	664.00
			07/24/17	NP	8.38	20.93	NA	NA	663.10	663.10
			11/06/17	NP	8.55	20.74	NA	NA	662.93	662.93
			02/05/18	NP	8.51	20.90	NA	NA	662.97	662.97
			05/07/18	NP	7.40	20.75	NA	NA	664.08	664.08
			08/16/18	NP	8.01	NM	NA	NA	663.47	663.47
			11/19/18	NP	7.90	NM	NA	NA	663.58	663.58
			02/22/19	NP	8.20	20.72	NA	NA	663.28	663.28
			06/14/19	NP	7.38	20.73	NA	NA	664.10	664.10
			09/26/19	NP	8.44	20.75	NA	NA	663.04	663.04
			11/04/19	NP	8.16	20.72	NA	NA	663.32	663.32
			02/05/20	NP	8.01	NM	NA	NA	663.47	663.47
			05/18/20	NP	8.06	20.93	NA	NA	663.42	663.42
			08/17/20	NP	8.45	NM	NA	NA	663.03	663.03
			11/20/20	NP	8.91	NM ⁽⁵⁾	NA	NA	662.57	662.57
			12/17/20	NP	8.85	30.76	NA	NA	662.63	662.63
02/08/21	NP	9.00	20.90	NA	NA	662.48	662.48			
03/23/21	NP	8.98	NM	NA	NA	662.50	662.50			
MW-45	670.83	15.0-20.0	05/09/16	NP	14.22	19.81	NA	NA	656.61	656.61
			04/19/17	NP	11.45	19.67	NA	NA	659.38	659.38
			07/24/17	NP	11.07	19.76	NA	NA	659.76	659.76
			11/06/17	NP	9.82	19.75	NA	NA	661.01	661.01
			02/05/18	NP	10.30	19.72	NA	NA	660.53	660.53
			05/07/18	NP	9.43	19.99	NA	NA	661.40	661.40
			08/16/18	NP	9.02	NM	NA	NA	661.81	661.81
			11/19/18	NP	9.91	19.69	NA	NA	660.92	660.92
			02/22/19	NP	10.67	19.71	NA	NA	660.16	660.16
			06/14/19	NP	9.60	19.79	NA	NA	661.23	661.23
			09/26/19	NP	10.18	20.68	NA	NA	660.65	660.65
			11/04/19	NP	10.52	19.69	NA	NA	660.31	660.31
			02/05/20	NP	11.21	NM	NA	NA	659.62	659.62
			04/01/20	NP	11.47	NM	NA	NA	659.36	659.36
			05/18/20	NP	11.39	19.69	NA	NA	659.44	659.44
			08/17/20	NP	10.44	NM	NA	NA	660.39	660.39
			11/20/20	NP	10.85	NM ⁽⁵⁾	NA	NA	659.98	659.98
			12/17/20	NP	11.46	19.68	NA	NA	659.37	659.37
			02/08/21	NP	11.56	19.64	NA	NA	659.27	659.27
			03/23/21	NP	12.18	NM	NA	NA	658.65	658.65
			MW-46	670.84	16.0-21.0	05/09/16	NP	8.42	20.45	NA
04/19/17	NP	10.61				20.30	NA	NA	660.23	660.23
07/24/17	NP	10.33				19.78	NA	NA	660.51	660.51
11/06/17	NP	9.76				19.81	NA	NA	661.08	661.08
02/05/18	NP	10.20				19.81	NA	NA	660.64	660.64
05/07/18	NP	9.84				19.94	NA	NA	661.00	661.00
08/16/18	NP	9.47				NM	NA	NA	661.37	661.37
11/19/18	NP	10.18				19.63	NA	NA	660.66	660.66
02/22/19	NP	10.79				19.64	NA	NA	660.05	660.05
06/14/19	NP	9.48				19.87	NA	NA	661.36	661.36
09/26/19	NP	10.35				19.73	NA	NA	660.49	660.49
11/04/19	NP	10.26				19.70	NA	NA	660.58	660.58
02/05/20	NP	10.82				NM	NA	NA	660.02	660.02
04/01/20	NP	10.20				NM	NA	NA	660.64	660.64
05/18/20	NP	10.60				19.65	NA	NA	660.24	660.24
08/17/20	NP	10.31				NM	NA	NA	660.53	660.53
11/20/20	NP	10.52				NM ⁽⁵⁾	NA	NA	660.32	660.32
12/17/20	NP	10.92	19.69	NA	NA	659.92	659.92			
02/08/21	NP	11.17	19.62	NA	NA	659.67	659.67			
03/23/21	NP	11.23	NM	NA	NA	659.61	659.61			
MW-47	671.33	16.0-21.0	05/09/16	NP	7.53	11.92	NA	NA	663.80	663.80
			04/19/17	NP	9.88	20.76	NA	NA	661.45	661.45
			07/24/17	NP	10.11	19.96	NA	NA	661.22	661.22
			11/06/17	NP	9.87	19.98	NA	NA	661.46	661.46
			02/05/18	NP	10.11	19.98	NA	NA	661.22	661.22
			05/07/18	NP	9.49	19.94	NA	NA	661.84	661.84
			08/16/18	NP	9.65	NM	NA	NA	661.68	661.68
			11/19/18	NP	10.02	19.93	NA	NA	661.31	661.31
			02/22/19	NP	10.50	19.92	NA	NA	660.83	660.83
			06/14/19	NM	NM	NM	NA	NA	NM	NM
			09/26/19	NP	10.23	19.96	NA	NA	661.10	661.10
			11/04/19	NP	10.07	19.92	NA	NA	661.26	661.26
			02/05/20	NP	10.32	NM	NA	NA	661.01	661.01
			05/18/20	NP	10.07	19.97	NA	NA	661.26	661.26
			08/17/20	NP	10.10	NM	NA	NA	661.23	661.23
			11/20/20	NP	10.35	NM ⁽⁵⁾	NA	NA	660.98	660.98
			12/17/20	NP	10.54	19.97	NA	NA	660.79	660.79
02/08/21	NP	10.68	19.99	NA	NA	660.65	660.65			
03/23/21	NP	10.69	NM	NA	NA	660.64	660.64			
See Notes on Last Page.										

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-48	670.98	17.0-22.0	05/09/16	NP	6.33	21.76	NA	NA	664.65	664.65
			04/19/17	NP	8.93	21.62	NA	NA	662.05	662.05
			07/24/17	NP	9.70	20.42	NA	NA	661.28	661.28
			11/06/17	NP	9.33	20.34	NA	NA	661.65	661.65
			02/05/18	NP	10.08	20.35	NA	NA	660.90	660.90
			05/07/18	NP	8.84	20.60	NA	NA	662.14	662.14
			08/16/18	NP	9.34	NM	NA	NA	661.64	661.64
			11/19/18	NP	8.97	NM	NA	NA	662.01	662.01
			03/04/19	NP	9.80	20.40	NA	NA	661.18	661.18
			06/14/19	NP	8.64	20.26	NA	NA	662.34	662.34
			09/26/19	NP	9.17	20.26	NA	NA	661.81	661.81
			11/04/19	NP	8.78	20.25	NA	NA	662.20	662.20
			02/05/20	NP	9.26	NM	NA	NA	661.72	661.72
			04/01/20	NP	9.34	NM	NA	NA	661.64	661.64
			05/18/20	NP	8.81	20.22	NA	NA	662.17	662.17
			08/17/20	NP	9.36	NM	NA	NA	661.62	661.62
			11/20/20	NP	9.74	NM ⁽⁵⁾	NA	NA	661.24	661.24
			12/17/20	NP	9.94	20.22	NA	NA	661.04	661.04
			02/08/21	NP	10.23	20.15	NA	NA	660.75	660.75
			03/23/21	NP	10.13	NM	NA	NA	660.85	660.85
MW-49	669.07	12.5-17.5	05/12/16	NP	6.57	17.31	NA	NA	662.50	662.50
			04/19/17	NP	7.03	17.31	NA	NA	662.04	662.04
			07/24/17	NP	6.94	17.37	NA	NA	662.13	662.13
			11/06/17	NM	NM	NM	NA	NA	NM	NM
			02/05/18	NP	7.32	17.44	NA	NA	661.75	661.75
			05/07/18	NP	6.88	17.28	NA	NA	662.19	662.19
			08/16/18	NP	6.39	NM	NA	NA	662.68	662.68
			11/19/18	NP	6.11	17.14	NA	NA	662.96	662.96
			02/22/19	NP	6.75	17.27	NA	NA	662.32	662.32
			06/14/19	NP	6.14	16.86	NA	NA	662.93	662.93
			09/27/19	NP	6.36	17.21	NA	NA	662.71	662.71
			11/04/19	NP	6.28	17.17	NA	NA	662.79	662.79
			02/05/20	NP	6.40	NM	NA	NA	662.67	662.67
			05/18/20	Could Not Access Well, located underneath parked vehicle						
			08/17/20	NP	5.25	NM	NA	NA	663.82	663.82
			11/20/20	NP	6.68	NM ⁽⁵⁾	NA	NA	662.39	662.39
			02/08/21	NP	6.88	17.13	NA	NA	662.19	662.19
			05/09/16	NP	5.42	20.34	NA	NA	664.74	664.74
			04/19/17	NP	6.77	20.23	NA	NA	663.39	663.39
MW-50	670.16	16.0-21.0	07/24/17	NP	8.16	18.42	NA	NA	662.00	662.00
			11/06/17	NP	8.15	18.81	NA	NA	662.01	662.01
			02/05/18	NP	8.47	18.44	NA	NA	661.69	661.69
			05/07/18	NP	6.81	19.00	NA	NA	663.35	663.35
			08/16/18	NP	7.55	NM	NA	NA	662.61	662.61
			11/19/18	NP	7.44	NM	NA	NA	662.72	662.72
			02/22/19	NP	7.61	18.81	NA	NA	662.55	662.55
			06/14/19	NP	6.82	14.91	NA	NA	663.34	663.34
			09/26/19	NP	8.03	14.72	NA	NA	662.13	662.13
			11/04/19	NP	7.40	18.78	NA	NA	662.76	662.76
			02/05/20	NP	7.22	NM	NA	NA	662.94	662.94
			04/01/20	NP	7.31	NM	NA	NA	662.85	662.85
			05/18/20	NP	7.14	18.84	NA	NA	663.02	663.02
			08/17/20	NP	7.78	NM	NA	NA	662.38	662.38
			11/20/20	NP	8.40	NM ⁽⁵⁾	NA	NA	661.76	661.76
			12/17/20	NP	8.57	18.77	NA	NA	661.59	661.59
			2/8/2021	NP	8.69	18.74	NA	NA	661.47	661.47
			3/23/2021	NP	8.56	NM	NA	NA	661.6	661.60
			04/19/17	NP	6.12	19.04	NA	NA	664.95	664.95
MW-51	671.07	15.0-20.0	07/24/17	NP	7.82	18.92	NA	NA	663.25	663.25
			11/06/17	NP	7.58	18.91	NA	NA	663.49	663.49
			02/05/18	NP	7.89	18.95	NA	NA	663.18	663.18
			05/07/18	NP	6.24	18.85	NA	NA	664.83	664.83
			08/16/18	NP	7.33	NM	NA	NA	663.74	663.74
			11/19/18	NP	7.05	NM	NA	NA	664.02	664.02
			03/01/19	NP	7.03	14.56	NA	NA	664.04	664.04
			06/14/19	NP	6.08	18.89	NA	NA	664.99	664.99
			09/26/19	NP	7.81	18.91	NA	NA	663.26	663.26
			11/04/19	NP	7.12	18.88	NA	NA	663.95	663.95
			02/05/20	NP	8.79	NM	NA	NA	662.28	662.28
			05/18/20	NP	6.67	18.89	NA	NA	664.40	664.40
			08/17/20	NP	7.60	NM	NA	NA	663.47	663.47
			11/20/20	NP	8.19	NM ⁽⁵⁾	NA	NA	662.88	662.88
			12/17/20	NP	8.12	18.91	NA	NA	662.95	662.95
			02/08/21	NP	8.31	18.90	NA	NA	662.76	662.76
			03/23/21	NP	8.18	NM	NA	NA	662.89	662.89
			05/09/16	NP	6.39	19.81	NA	NA	662.77	662.77
			04/19/17	NP	6.59	19.76	NA	NA	662.57	662.57
MW-52	669.16	15.0-20.0	07/24/17	NP	8.33	19.75	NA	NA	660.83	660.83
			11/06/17	NP	8.87	19.83	NA	NA	660.29	660.29
			02/05/18	NP	8.43	19.57	NA	NA	660.73	660.73
			05/07/18	NP	6.57	19.76	NA	NA	662.59	662.59
			08/16/18	NP	8.30	NM	NA	NA	660.86	660.86
			11/19/18	NP	7.52	NM	NA	NA	661.64	661.64
			02/22/19	NP	7.36	19.73	NA	NA	661.80	661.80
			06/14/19	NP	6.43	19.75	NA	NA	662.73	662.73
			09/26/19	NP	8.58	19.76	NA	NA	660.58	660.58
			11/04/19	NP	8.14	19.44	NA	NA	661.02	661.02
			02/05/20	NP	7.08	NM	NA	NA	662.08	662.08
			05/18/20	NP	6.80	19.42	NA	NA	662.36	662.36
			08/17/20	NP	9.38	NM	NA	NA	659.78	659.78
			11/20/20	NP	8.91	NM ⁽⁵⁾	NA	NA	660.25	660.25
			12/17/20	NP	8.71	19.78	NA	NA	660.45	660.45
			02/08/21	NP	8.84	19.78	NA	NA	660.32	660.32
			03/23/21	NP	8.53	NM	NA	NA	660.63	660.63

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Well ID	TOC Elevation (ft. amsl) ⁽¹⁾	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)	
MW-53	668.59	16.0-21.0	05/09/16	NP	6.05	20.85	NA	NA	662.54	662.54	
			04/18/17	NP	6.03	20.83	NA	NA	662.56	662.56	
			07/24/17	NP	7.92	20.63	NA	NA	660.67	660.67	
			11/06/17	NP	8.35	21.08	NA	NA	660.24	660.24	
			02/05/18	NP	7.98	20.68	NA	NA	660.61	660.61	
			05/07/18	NP	6.08	20.81	NA	NA	662.51	662.51	
			08/16/18	NP	7.87	NM	NA	NA	660.72	660.72	
			11/19/18	NP	7.10	NM	NA	NA	661.49	661.49	
			02/22/19	NP	6.73	20.62	NA	NA	661.86	661.86	
			06/14/19	NP	5.98	20.62	NA	NA	662.61	662.61	
			09/26/19	NP	8.15	20.64	NA	NA	660.44	660.44	
			11/04/19	NP	8.23	20.62	NA	NA	660.36	660.36	
			02/05/20	NP	6.55	NM	NA	NA	662.04	662.04	
			05/18/20	NP	6.19	20.81	NA	NA	662.40	662.40	
			08/17/20	NP	7.83	NM	NA	NA	660.76	660.76	
			11/20/20	NP	8.48	NM ⁽⁵⁾	NA	NA	660.11	660.11	
			12/17/20	NP	8.57	20.65	NA	NA	660.02	660.02	
			02/08/21	NP	8.35	20.80	NA	NA	660.24	660.24	
MW-54	668.49	16.0-21.0	04/19/17	NP	6.01	20.86	NA	NA	662.48	662.48	
			07/24/17	NP	8.08	20.52	NA	NA	660.41	660.41	
			11/06/17	NP	8.17	20.71	NA	NA	660.32	660.32	
			02/05/18	NP	7.96	20.56	NA	NA	660.53	660.53	
			05/07/18	NP	6.09	20.82	NA	NA	662.40	662.40	
			08/16/18	NP	8.01	NM	NA	NA	660.48	660.48	
			11/19/18	NP	7.06	NM	NA	NA	661.43	661.43	
			02/22/19	Could Not Access Well, covered by ice/snow							
			06/14/19	NP	5.90	20.82	NA	NA	662.59	662.59	
			09/26/19	NP	8.54	20.51	NA	NA	659.95	659.95	
			11/04/19	NP	7.82	20.85	NA	NA	660.67	660.67	
			02/05/20	NP	6.53	NM	NA	NA	661.96	661.96	
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	
			08/17/20	NP	7.95	NM	NA	NA	660.54	660.54	
			11/20/20	NP	8.50	NM ⁽⁵⁾	NA	NA	659.99	659.99	
			12/17/20	NP	8.34	20.82	NA	NA	660.15	660.15	
			02/08/21	NP	8.40	20.81	NA	NA	660.09	660.09	
			MW-54S	668.24	4.5-9.5	06/14/19	NP	2.96	9.25	NA	NA
09/26/19	NP	7.56				9.10	NA	NA	660.68	660.68	
11/04/19	NP	4.83				9.28	NA	NA	663.41	663.41	
02/05/20	NP	5.60				NM	NA	NA	662.64	662.64	
05/18/20	NP	3.39				9.28	NA	NA	664.85	664.85	
08/17/20	NP	3.93				NM	NA	NA	664.31	664.31	
11/20/20	NP	7.51				NM ⁽⁵⁾	NA	NA	660.73	660.73	
12/17/20	NP	7.36				9.02	NA	NA	660.88	660.88	
02/08/21	NP	7.56				9.24	NA	NA	660.68	660.68	
03/23/21	NP	7.23	NM	NA	NA	661.01	661.01				
MW-55	670.04	15.0-20.0	04/19/17	NP	6.84	19.82	NA	NA	663.20	663.20	
			07/24/17	NP	8.95	19.56	NA	NA	661.09	661.09	
			11/06/17	NP	8.98	20.03	NA	NA	661.06	661.06	
			02/05/18	NP	8.78	19.64	NA	NA	661.26	661.26	
			05/07/18	NP	6.91	19.74	NA	NA	663.13	663.13	
			08/16/18	NP	8.66	NM	NA	NA	661.38	661.38	
			11/19/18	NP	7.86	NM	NA	NA	662.18	662.18	
			02/22/19	NP	7.63	19.55	NA	NA	662.41	662.41	
			06/14/19	NP	6.95	19.72	NA	NA	663.09	663.09	
			09/26/19	NP	9.20	19.56	NA	NA	660.84	660.84	
			11/04/19	NP	8.14	19.73	NA	NA	661.90	661.90	
			02/05/20	NP	7.20	NM	NA	NA	662.84	662.84	
			05/18/20	NP	6.64	19.72	NA	NA	663.40	663.40	
			08/17/20	NP	8.24	NM	NA	NA	661.80	661.80	
			11/20/20	NP	9.12	NM ⁽⁵⁾	NA	NA	660.92	660.92	
			12/17/20	NP	8.85	19.58	NA	NA	661.19	661.19	
			02/08/21	NP	8.98	19.58	NA	NA	661.06	661.06	
			03/23/21	NP	7.00	NM	NA	NA	663.04	663.04	
MW-55D	670.17	19.0-24.0	06/14/19	NP	7.04	23.82	NA	NA	663.13	663.13	
			09/26/19	NP	9.46	23.65	NA	NA	660.71	660.71	
			11/04/19	NP	8.12	23.45	NA	NA	662.05	662.05	
			02/05/20	NP	7.59	NM	NA	NA	662.58	662.58	
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	
			08/17/20	NP	8.32	NM	NA	NA	661.85	661.85	
			11/20/20	NP	9.22	NM ⁽⁵⁾	NA	NA	660.95	660.95	
			12/17/20	NP	8.93	23.56	NA	NA	661.24	661.24	
02/08/21	NP	9.11	23.56	NA	NA	661.06	661.06				
MW-56	670.26	16.0-21.0	04/19/17	NP	6.67	20.69	NA	NA	663.59	663.59	
			07/24/17	NP	8.18	20.58	NA	NA	662.08	662.08	
			11/06/17	NP	8.37	20.76	NA	NA	661.89	661.89	
			02/05/18	NP	8.08	20.59	NA	NA	662.18	662.18	
			05/07/18	NP	6.62	26.44	NA	NA	663.64	663.64	
			08/16/18	NP	7.95	NM	NA	NA	662.31	662.31	
			11/19/18	NP	7.40	NM	NA	NA	662.86	662.86	
			02/22/19	NP	7.19	20.39	NA	NA	663.07	663.07	
			06/14/19	NP	6.68	20.41	NA	NA	663.58	663.58	
			09/26/19	NP	8.32	20.40	NA	NA	661.94	661.94	
			11/04/19	NP	7.34	20.35	NA	NA	662.92	662.92	
			02/05/20	NP	6.59	NM	NA	NA	663.67	663.67	
			05/18/20	NP	6.25	20.32	NA	NA	664.01	664.01	
			08/17/20	NP	7.66	NM	NA	NA	662.60	662.60	
			11/20/20	NP	8.35	NM ⁽⁵⁾	NA	NA	661.91	661.91	
			12/17/20	NP	8.02	20.32	NA	NA	662.24	662.24	
			02/08/21	NP	8.16	20.32	NA	NA	662.10	662.10	
			03/23/21	NP	7.90	NM	NA	NA	662.36	662.36	
See Notes on Last Page.											

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-57	668.93	17.0-22.0	04/19/17	NP	5.89	21.72	NA	NA	663.04	663.04
			07/24/17	NP	7.83	21.63	NA	NA	661.10	661.10
			11/06/17	NP	8.12	21.83	NA	NA	660.81	660.81
			02/06/18	NP	7.86	21.80	NA	NA	661.07	661.07
			05/07/18	NP	5.79	21.73	NA	NA	663.14	663.14
			08/16/18	NP	7.59	NM	NA	NA	661.34	661.34
			11/19/18	NP	6.78	NM	NA	NA	662.15	662.15
			02/22/19	NP	6.73	21.66	NA	NA	662.20	662.20
			06/14/19	NP	5.75	21.66	NA	NA	663.18	663.18
			09/26/19	NP	8.03	21.68	NA	NA	660.90	660.90
			11/04/19	NP	7.13	21.71	NA	NA	661.80	661.80
			02/05/20	NP	6.23	NM	NA	NA	662.70	662.70
			05/18/20	NP	5.72	21.66	NA	NA	663.21	663.21
			08/17/20	NP	7.39	NM	NA	NA	661.54	661.54
			11/20/20	NP	8.16	NM ⁽⁵⁾	NA	NA	660.77	660.77
			12/17/20	NP	9.00	21.68	NA	NA	659.93	659.93
			02/08/21	NP	8.09	21.68	NA	NA	660.84	660.84
03/23/21	NP	7.77	NM	NA	NA	661.16	661.16			
MW-58	668.73	15.0-20.0	05/09/16	NP	3.51	19.74	NA	NA	665.22	665.22
			04/19/17	NP	4.28	19.72	NA	NA	664.45	664.45
			07/24/17	NP	5.68	18.70	NA	NA	663.05	663.05
			11/06/17	NP	5.78	19.69	NA	NA	662.95	662.95
			02/05/18	NP	5.63	19.40	NA	NA	663.10	663.10
			05/07/18	NP	4.01	19.68	NA	NA	664.72	664.72
			08/16/18	NP	5.43	NM	NA	NA	663.30	663.30
			11/19/18	NP	5.03	NM	NA	NA	663.70	663.70
			03/01/19	NP	4.65	19.66	NA	NA	664.08	664.08
			06/14/19	NP	4.12	19.66	NA	NA	664.61	664.61
			09/26/19	NP	5.75	19.64	NA	NA	662.98	662.98
			11/04/19	NP	5.07	19.64	NA	NA	663.66	663.66
			02/05/20	NP	4.16	19.64	NA	NA	664.57	664.57
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	5.23	NM	NA	NA	663.50	663.50
			11/20/20	NP	5.79	NM ⁽⁵⁾	NA	NA	662.94	662.94
			12/17/20	NP	5.57	19.62	NA	NA	663.16	663.16
02/08/21	NP	5.70	19.62	NA	NA	663.03	663.03			
03/23/21	NP	5.46	NM	NA	NA	663.27	663.27			
MW-62	671.06	16.3-21.3	04/20/17	NP	7.89	21.13	NA	NA	663.17	663.17
			07/24/17	NP	10.11	21.01	NA	NA	660.95	660.95
			11/06/17	NP	9.43	21.14	NA	NA	661.63	661.63
			02/05/18	NP	9.46	21.15	NA	NA	661.60	661.60
			05/07/18	NP	7.72	21.15	NA	NA	663.34	663.34
			08/16/18	NP	8.75	NM	NA	NA	662.31	662.31
			11/19/18	NP	8.46	NM	NA	NA	662.60	662.60
			02/22/19	NP	8.52	21.13	NA	NA	662.54	662.54
			06/14/19	NP	7.87	21.15	NA	NA	663.19	663.19
			09/26/19	NP	9.14	21.12	NA	NA	661.92	661.92
			11/04/19	NP	8.60	21.12	NA	NA	662.46	662.46
			02/05/20	NP	8.23	NM	NA	NA	662.83	662.83
			04/01/20	NP	8.32	NM	NA	NA	662.74	662.74
			05/18/20	NP	8.13	21.12	NA	NA	662.93	662.93
			08/17/20	NP	8.93	NM	NA	NA	662.13	662.13
			11/20/20	NP	9.55	NM ⁽⁵⁾	NA	NA	661.51	661.51
			12/17/20	NP	9.63	21.15	NA	NA	661.43	661.43
02/08/21	NP	9.73	21.15	NA	NA	661.33	661.33			
03/23/21	NP	9.55	NM	NA	NA	661.51	661.51			
MW-63	669.96	7.0-12.0	04/20/17	NP	7.32	11.75	NA	NA	662.64	662.64
			07/24/17	NP	8.45	11.78	NA	NA	661.51	661.51
			11/06/17	NP	8.18	11.80	NA	NA	661.78	661.78
			02/05/18	NP	8.77	11.80	NA	NA	661.19	661.19
			05/07/18	NP	7.24	11.80	NA	NA	662.72	662.72
			08/16/18	NP	7.82	NM	NA	NA	662.14	662.14
			11/19/18	NP	7.89	NM	NA	NA	662.07	662.07
			02/22/19	NP	8.36	11.79	NA	NA	661.60	661.60
			06/19/19	NP	7.55	11.78	NA	NA	662.41	662.41
			09/26/19	NP	8.22	11.78	NA	NA	661.74	661.74
			11/04/19	NP	7.68	11.77	NA	NA	662.28	662.28
			02/05/20	NP	7.86	NM	NA	NA	662.10	662.10
			04/01/20	NP	7.88	NM	NA	NA	662.08	662.08
			05/18/20	NP	7.60	11.78	NA	NA	662.36	662.36
			08/17/20	NP	7.93	NM	NA	NA	662.03	662.03
			11/20/20	NP	8.52	NM ⁽⁵⁾	NA	NA	661.44	661.44
			12/17/20	NP	8.85	11.80	NA	NA	661.11	661.11
02/08/21	NP	8.97	11.80	NA	NA	660.99	660.99			
03/23/21	NP	8.89	NM	NA	NA	661.07	661.07			
MW-64	671.09	15.0-20.0	04/20/17	NP	8.55	21.10	NA	NA	662.54	662.54
			07/24/17	NP	9.83	20.05	NA	NA	661.26	661.26
			11/06/17	NP	10.20	20.36	NA	NA	660.89	660.89
			02/06/18	NP	10.14	20.19	NA	NA	660.95	660.95
			05/07/18	NP	8.44	20.05	NA	NA	662.65	662.65
			08/16/18	NP	9.42	NM	NA	NA	661.67	661.67
			11/19/18	NP	9.12	NM	NA	NA	661.97	661.97
			02/28/19	NP	9.05	20.20	NA	NA	662.04	662.04
			06/14/19	NP	8.30	20.00	NA	NA	662.79	662.79
			09/26/19	NP	9.71	20.01	NA	NA	661.38	661.38
			11/04/19	NP	9.45	20.01	NA	NA	661.64	661.64
			02/05/20	NP	8.99	NM	NA	NA	662.10	662.10
			05/18/20	NP	8.79	20.05	NA	NA	662.30	662.30
			08/17/20	NP	9.57	NM	NA	NA	661.52	661.52
			11/20/20	NP	10.18	NM ⁽⁵⁾	NA	NA	660.91	660.91
			12/17/20	NP	10.23	20.02	NA	NA	660.86	660.86
			02/08/21	NP	10.21	20.02	NA	NA	660.88	660.88
03/23/21	NP	10.05	NM	NA	NA	661.04	661.04			
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Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-65	671.98	16.0-21.0	04/20/17	NP	8.26	21.18	NA	NA	663.72	663.72
			07/24/17	NP	9.87	21.11	NA	NA	662.11	662.11
			11/06/17	NP	9.68	21.11	NA	NA	662.30	662.30
			02/05/18	NP	10.05	21.16	NA	NA	661.93	661.93
			05/07/18	NP	8.37	21.04	NA	NA	663.61	663.61
			08/16/18	NP	9.13	NM	NA	NA	662.85	662.85
			11/19/18	NP	9.06	NM	NA	NA	662.92	662.92
			02/28/19	NP	9.49	19.59	NA	NA	662.49	662.49
			06/14/19	NP	8.35	21.10	NA	NA	663.63	663.63
			09/26/19	NP	9.57	21.10	NA	NA	662.41	662.41
			11/04/19	NP	9.07	21.08	NA	NA	662.91	662.91
			02/05/20	NP	8.92	NM	NA	NA	663.06	663.06
			05/18/20	NP	8.84	21.09	NA	NA	663.14	663.14
			08/17/20	NP	9.41	NM	NA	NA	662.57	662.57
			11/20/20	NP	10.01	NM ⁽⁵⁾	NA	NA	661.97	661.97
			12/17/20	NP	10.15	21.12	NA	NA	661.83	661.83
MW-66	669.83	15.0-20.0	02/08/21	NP	10.24	21.05	NA	NA	661.74	661.74
			03/23/21	NP	10.20	NM	NA	NA	661.78	661.78
			04/20/17	NP	6.55	19.49	NA	NA	663.28	663.28
			07/24/17	NP	7.81	19.35	NA	NA	662.02	662.02
			11/06/17	NP	7.51	19.23	NA	NA	662.32	662.32
			02/05/18	NP	8.03	19.06	NA	NA	661.80	661.80
			05/07/18	NP	6.79	19.02	NA	NA	663.04	663.04
			08/16/18	NP	7.33	NM	NA	NA	662.50	662.50
			11/19/18	NP	7.25	NM	NA	NA	662.58	662.58
			03/04/19	NP	7.65	19.11	NA	NA	662.18	662.18
			06/14/19	NP	6.45	19.00	NA	NA	663.38	663.38
			09/26/19	NP	7.49	19.02	NA	NA	662.34	662.34
			11/04/19	NP	7.03	18.99	NA	NA	662.80	662.80
			02/05/20	NP	7.15	NM	NA	NA	662.68	662.68
			05/18/20	NP	7.03	19.01	NA	NA	662.80	662.80
			08/17/20	NP	7.59	NM	NA	NA	662.24	662.24
MW-67	671.32	9.0-14.0	11/20/20	NP	8.01	NM ⁽⁵⁾	NA	NA	661.82	661.82
			12/17/20	NP	8.17	19.01	NA	NA	661.66	661.66
			02/08/21	NP	8.25	18.98	NA	NA	661.58	661.58
			03/23/21	NP	8.25	NM	NA	NA	661.58	661.58
			04/20/17	NP	9.44	13.97	NA	NA	661.88	661.88
			07/24/17	NP	9.84	13.84	NA	NA	661.48	661.48
			11/06/17	NP	9.76	14.01	NA	NA	661.56	661.56
			02/05/18	NP	10.00	14.02	NA	NA	661.32	661.32
			05/07/18	NP	9.14	14.01	NA	NA	662.18	662.18
			08/16/18	NP	9.48	NM	NA	NA	661.84	661.84
			11/19/18	NP	9.30	NM	NA	NA	662.02	662.02
			02/28/19	NP	9.89	14.12	NA	NA	661.43	661.43
			06/14/19	NP	9.02	14.03	NA	NA	662.30	662.30
			09/26/19	NP	9.59	14.00	NA	NA	661.73	661.73
			11/04/19	NP	9.38	14.00	NA	NA	661.94	661.94
			02/05/20	NP	9.70	NM	NA	NA	661.62	661.62
MW-68	670.71	15.0-20.0	05/18/20	NP	9.57	14.02	NA	NA	661.75	661.75
			08/17/20	NP	9.66	NM	NA	NA	661.66	661.66
			11/20/20	NP	9.95	NM ⁽⁵⁾	NA	NA	661.37	661.37
			12/17/20	NP	10.15	14.50	NA	NA	661.17	661.17
			02/08/21	NP	10.21	14.02	NA	NA	661.11	661.11
			03/23/21	NP	10.28	NM	NA	NA	661.04	661.04
			04/20/17	NP	9.39	21.85	NA	NA	661.32	661.32
			07/24/17	NP	9.55	19.86	NA	NA	661.16	661.16
			11/06/17	NP	9.51	19.85	NA	NA	661.20	661.20
			02/05/18	NP	9.68	19.85	NA	NA	661.03	661.03
			05/15/18	NP	8.68	19.82	NA	NA	662.03	662.03
			08/16/18	NP	9.04	NM	NA	NA	661.67	661.67
			11/19/18	NP	9.17	19.79	NA	NA	661.54	661.54
			03/08/19	NP	9.69	15.29	NA	NA	661.02	661.02
			06/14/19	NP	8.75	19.85	NA	NA	661.96	661.96
			09/26/19	NP	9.47	19.79	NA	NA	661.24	661.24
MW-69	670.27	15.0-20.0	11/04/19	NP	9.35	19.81	NA	NA	661.36	661.36
			02/05/20	NP	9.58	NM	NA	NA	661.13	661.13
			04/01/20	NP	9.35	NM	NA	NA	661.36	661.36
			05/18/20	NP	9.38	19.80	NA	NA	661.33	661.33
			08/17/20	NP	9.39	NM	NA	NA	661.32	661.32
			11/20/20	NP	9.68	NM ⁽⁵⁾	NA	NA	661.03	661.03
			12/17/20	NP	9.80	19.84	NA	NA	660.91	660.91
			02/08/21	NP	10.00	19.82	NA	NA	660.71	660.71
			03/23/21	NP	10.01	NM	NA	NA	660.7	660.70
			04/20/17	NP	9.71	19.91	NA	NA	660.56	660.56
			07/24/17	NP	NM	NM	NA	NA	NM	NM
			11/06/17	NP	9.91	19.98	NA	NA	660.36	660.36
			02/05/18	NP	9.78	20.01	NA	NA	660.49	660.49
			05/07/18	NP	14.78	19.91	NA	NA	655.49	655.49
			08/16/18	NP	8.90	NM	NA	NA	661.37	661.37
			11/19/18	NP	8.79	NM	NA	NA	661.48	661.48
02/22/19	NP	9.30	19.98	NA	NA	660.97	660.97			
06/14/19	NM	NM	NM	NA	NA	NM	NM			
09/26/19	NP	9.35	19.92	NA	NA	660.92	660.92			
11/04/19	NP	9.46	19.91	NA	NA	660.81	660.81			
02/05/20	NP	9.29	NM	NA	NA	660.98	660.98			
05/18/20	NP	9.28	19.90	NA	NA	660.99	660.99			
08/17/20	NP	9.32	NM	NA	NA	660.95	660.95			
11/20/20	NP	9.80	NM ⁽⁵⁾	NA	NA	660.47	660.47			
12/17/20	NP	9.87	19.94	NA	NA	660.40	660.40			
02/08/21	NP	10.11	19.88	NA	NA	660.16	660.16			
03/23/21	NP	10.29	NM	NA	NA	659.98	659.98			
See Notes on Last Page.										

Well ID	TOC Elevation (ft. amsl) ⁽¹⁾	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)		
MW-70	671.36	15.0-20.0	04/20/17	NP	11.46	20.14	NA	NA	659.90	659.90		
			07/24/17	NP	11.02	20.18	NA	NA	660.34	660.34		
			11/06/17	NP	10.23	20.15	NA	NA	661.13	661.13		
			02/05/18	NP	10.74	20.12	NA	NA	660.62	660.62		
			05/07/18	NP	9.72	20.13	NA	NA	661.64	661.64		
			08/16/18	NP	9.67	NM	NA	NA	661.69	661.69		
			11/19/18	NP	10.40	20.09	NA	NA	660.96	660.96		
			02/22/19	NP	11.13	15.30	NA	NA	660.23	660.23		
			06/14/19	NP	9.82	20.09	NA	NA	661.54	661.54		
			09/26/19	NP	10.77	20.11	NA	NA	660.59	660.59		
			11/04/19	NP	10.91	20.10	NA	NA	660.45	660.45		
			02/05/20	NP	11.50	NM	NA	NA	659.86	659.86		
			05/18/20	NP	11.56	20.12	NA	NA	659.80	659.80		
			08/17/20	NP	10.93	NM	NA	NA	660.43	660.43		
			11/20/20	NP	11.29	NM ⁽⁵⁾	NA	NA	660.07	660.07		
			12/17/20	NP	11.68	20.14	NA	NA	659.68	659.68		
			02/08/21	NP	11.90	20.11	NA	NA	659.46	659.46		
MW-71	671.04	15.0-20.0	03/23/21	NP	12.35	NM	NA	NA	659.01	659.01		
			04/20/17	NP	12.45	20.16	NA	NA	658.59	658.59		
			07/24/17	NP	11.84	20.22	NA	NA	659.20	659.20		
			11/06/17	NP	10.74	20.21	NA	NA	660.30	660.30		
			02/05/18	NP	11.13	20.18	NA	NA	659.91	659.91		
			05/07/18	NP	10.23	20.35	NA	NA	660.81	660.81		
			08/16/18	NP	9.79	NM	NA	NA	661.25	661.25		
			11/19/18	NP	11.03	20.14	NA	NA	660.01	660.01		
			02/22/19	NP	11.66	20.24	NA	NA	659.38	659.38		
			06/14/19	NP	10.91	20.15	NA	NA	660.13	660.13		
			09/26/19	NP	11.12	20.17	NA	NA	659.92	659.92		
			11/04/19	NP	11.84	20.15	NA	NA	659.20	659.20		
			02/05/20	NP	12.59	NM	NA	NA	658.45	658.45		
			04/01/20	NP	12.99	NM	NA	NA	658.05	658.05		
			05/18/20	NP	12.89	20.16	NA	NA	658.15	658.15		
			08/17/20	NP	11.56	NM	NA	NA	659.48	659.48		
			11/20/20	NP	11.79	20.16 ⁽⁵⁾	NA	NA	659.25	659.25		
MW-113	672.44	5.0-10.0	12/17/20	NP	12.88	20.19	NA	NA	658.16	658.16		
			02/08/21	NP	12.64	20.15	NA	NA	658.40	658.40		
			03/23/21	NP	13.54	NM	NA	NA	657.50	657.50		
			09/26/19	NP	5.20	9.56	NA	NA	667.24	667.24		
			11/04/19	NP	4.31	9.56	NA	NA	668.13	668.13		
			02/05/20	NP	3.83	NM	NA	NA	668.61	668.61		
			05/18/20	NP	3.73	9.55	NA	NA	668.71	668.71		
			08/17/20	NP	4.74	NM	NA	NA	667.70	667.70		
			11/20/20	NP	5.06	NM ⁽⁵⁾	NA	NA	667.38	667.38		
			02/08/21	NP	5.14	9.54	NA	NA	667.30	667.30		
			09/26/19	NP	5.50	9.42	NA	NA	665.30	665.30		
			11/04/19	NP	5.39	9.44	NA	NA	665.41	665.41		
			02/05/20	NP	5.16	NM	NA	NA	665.64	665.64		
			05/18/20	NP	5.04	9.32	NA	NA	665.76	665.76		
			08/17/20		Could Not Access Well, safety hazard							
			11/20/20									
			02/08/21									
MW-120	670.35	7.0-12.0	09/26/19	NP	6.78	11.74	NA	NA	663.57	663.57		
			11/04/19	NP	5.05	11.75	NA	NA	665.30	665.30		
			02/05/20	NP	5.32	NM	NA	NA	665.03	665.03		
			05/18/20	NP	5.07	11.72	NA	NA	665.28	665.28		
			08/17/20	NP	6.12	NM	NA	NA	664.23	664.23		
			11/20/20	NP	6.64	NM ⁽⁵⁾	NA	NA	663.71	663.71		
			02/08/21	NP	6.49	11.76	NA	NA	663.86	663.86		
MW-122	670.47	16.0-20.0	09/26/19	NP	10.01	20.70	NA	NA	660.46	660.46		
			11/04/19	NP	8.98	20.19	NA	NA	661.49	661.49		
			02/05/20	NP	7.97	NM	NA	NA	662.50	662.50		
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾		
			08/17/20	NP	9.22	NM	NA	NA	661.25	661.25		
			11/20/20	NP	9.96	NM ⁽⁵⁾	NA	NA	660.51	660.51		
			12/17/20	NP	9.67	20.09 ⁽⁵⁾	NA	NA	660.80	660.80		
MW-124	670.24	5.0-10.0	02/08/21	NP	9.80	20.09	NA	NA	660.67	660.67		
			09/30/19	NP	2.01	9.60	NA	NA	668.23	668.23		
			11/04/19	NP	1.17	9.58	NA	NA	669.07	669.07		
			02/05/20	Could Not Access Well, covered by storage racks/pallets								
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾		
			08/17/20	Could Not Access Well								
			11/20/20	NP	2.02	NM ⁽⁵⁾	NA	NA	668.22	668.22		
MW-194	672.47	12.0-17.0	02/08/21	Could Not Access Well, covered by storage racks/pallets								
			11/20/19	NP	2.39	16.15	NA	NA	670.08	670.08		
			02/05/20	NP	2.22	NM	NA	NA	670.25	670.25		
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾		
			08/17/20	NP	2.42	NM	NA	NA	670.05	670.05		
			11/20/20	NP	2.85	NM ⁽⁵⁾	NA	NA	669.62	669.62		
			02/08/21	NP	3.16	16.12	NA	NA	669.31	669.31		
MW-194S	672.67	2.0-7.0	11/20/19	NP	2.58	6.53	NA	NA	670.09	670.09		
			02/05/20	NP	2.35	NM	NA	NA	670.32	670.32		
			05/18/20	NP	2.41	6.50	NA	NA	670.26	670.26		
			08/17/20	NP	2.61	NM	NA	NA	670.06	670.06		
			11/20/20	NP	3.04	NM ⁽⁵⁾	NA	NA	669.63	669.63		
			02/08/21	NP	3.33	6.45	NA	NA	669.34	669.34		
			MW-195S	671.99	2.0-7.0	11/20/19	NP	1.98	6.20	NA	NA	670.01
02/05/20	NP	1.77				NM	NA	NA	670.22	670.22		
05/18/20	NP	1.82				6.08	NA	NA	670.17	670.17		
08/17/20	NP	1.97				NM	NA	NA	670.02	670.02		
11/20/20	NP	2.39				NM ⁽⁵⁾	NA	NA	669.60	669.60		
02/08/21	NP	2.68				6.08	NA	NA	669.31	669.31		
MW-196	672.75	12.0-17.0				11/20/19	NP	2.24	17.14	NA	NA	670.51
			02/05/20	NP	1.87	NM	NA	NA	670.88	670.88		
			05/18/20	NP	1.91	17.12	NA	NA	670.84	670.84		
			08/17/20	NP	2.29	NM	NA	NA	670.46	670.46		
			11/20/20	NP	2.75	NM ⁽⁵⁾	NA	NA	670.00	670.00		
			02/08/21	NP	3.01	17.12	NA	NA	669.74	669.74		
			See Notes on Last Page.									

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-196S	673.01	2.0-7.0	11/20/19	NP	2.50	6.55	NA	NA	670.51	670.51
			02/05/20	NP	2.15	NM	NA	NA	670.86	670.86
			05/18/20	NP	2.14	6.52	NA	NA	670.87	670.87
			08/17/20	NP	2.53	NM	NA	NA	670.48	670.48
			11/20/20	NP	3.01	NM ⁽⁵⁾	NA	NA	670.00	670.00
			02/08/21	NP	3.21	6.52	NA	NA	669.80	669.80
MW-197S	675.93	3.0-8.0	11/25/19	NP	5.02	7.40	NA	NA	670.91	670.91
			02/05/20	NP	4.57	NM	NA	NA	671.36	671.36
			05/18/20	NP	4.52	7.39	NA	NA	671.41	671.41
			08/17/20	NP	5.10	NM	NA	NA	670.83	670.83
			11/20/20	NP	5.69	NM ⁽⁵⁾	NA	NA	670.24	670.24
			02/08/21	NP	5.93	7.39	NA	NA	670.00	670.00
MW-198	675.37	12.0-17.0	11/25/19	NP	4.28	16.52	NA	NA	671.09	671.09
			02/05/20	NP	3.57	NM	NA	NA	671.80	671.80
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	Could Not Access Well						
			11/20/20	NP	5.01	NM ⁽⁵⁾	NA	NA	670.36	670.36
			02/08/21	NP	4.31	16.52	NA	NA	671.06	671.06
MW-198S	675.41	2.5-7.5	11/20/19	NP	4.35	7.10	NA	NA	671.06	671.06
			02/05/20	NP	3.61	NM	NA	NA	671.80	671.80
			05/18/20	NP	3.51	7.10	NA	NA	671.90	671.90
			08/17/20	NP	4.25	NM	NA	NA	671.16	671.16
			11/20/20	NP	5.01	NM ⁽⁵⁾	NA	NA	670.40	670.40
			02/08/21	NP	5.29	7.10	NA	NA	670.12	670.12
MW-199S	672.10	2.0-7.0	11/25/19	NP	1.97	5.82	NA	NA	670.13	670.13
			02/05/20	NP	1.68	NM	NA	NA	670.42	670.42
			05/18/20	NP	1.34	5.82	NA	NA	670.76	670.76
			08/17/20	NP	1.98	NM	NA	NA	670.12	670.12
			11/20/20	NP	2.72	NM ⁽⁵⁾	NA	NA	669.38	669.38
			02/08/21	NP	2.68	5.82	NA	NA	669.42	669.42
MW-200	672.42	15.0-20.0	11/21/19	NP	6.41	18.80	NA	NA	666.01	666.01
			02/05/20	NP	5.85	NM	NA	NA	666.57	666.57
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	6.34	NM	NA	NA	666.08	666.08
			11/20/20	NP	6.48	NM ⁽⁵⁾	NA	NA	665.94	665.94
			02/08/21	NP	6.41	18.62	NA	NA	666.01	666.01
MW-200S	672.54	5.0-10.0	11/21/19	NP	6.35	9.58	NA	NA	666.19	666.19
			02/05/20	NP	5.89	NM	NA	NA	666.65	666.65
			05/18/20	NP	5.59	9.54	NA	NA	666.95	666.95
			08/17/20	NP	6.26	NM	NA	NA	666.28	666.28
			11/20/20	NP	6.43	NM ⁽⁵⁾	NA	NA	666.11	666.11
			02/08/21	NP	6.39	9.56	NA	NA	666.15	666.15
MW-201	672.22	17.0-22.0	11/19/19	NP	5.02	21.47	NA	NA	667.20	667.20
			02/05/20	NP	4.70	NM	NA	NA	667.52	667.52
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	4.98	NM	NA	NA	667.24	667.24
			11/20/20	NP	5.10	NM ⁽⁵⁾	NA	NA	667.12	667.12
			02/08/21	NP	5.02	21.48	NA	NA	667.20	667.20
MW-201S	672.30	3.5-8.5	11/19/19	NP	5.16	8.13	NA	NA	667.14	667.14
			02/05/20	NP	4.90	NM	NA	NA	667.40	667.40
			05/18/20	NP	4.39	8.14	NA	NA	667.91	667.91
			08/17/20	NP	5.15	NM	NA	NA	667.15	667.15
			11/20/20	NP	5.23	NM ⁽⁵⁾	NA	NA	667.07	667.07
			02/08/21	NP	5.30	8.13	NA	NA	667.00	667.00
MW-208S	671.39	9.0-14.0	02/05/20	NP	10.07	14.00 ⁽³⁾	NA	NA	661.32	661.32
			05/18/20	NP	10.09	13.59	NA	NA	661.30	661.30
			08/17/20	NP	10.36	NM	NA	NA	661.03	661.03
			11/20/20	NP	10.98	NM ⁽⁵⁾	NA	NA	660.41	660.41
			12/17/20	NP	11.01	13.59	NA	NA	660.38	660.38
			02/08/21	NP	11.28	13.59	NA	NA	660.11	660.11
MW-209S	670.88	8.0-13.0	02/05/20	NP	9.43	13.00 ⁽³⁾	NA	NA	661.45	661.45
			05/18/20	NP	9.39	12.72	NA	NA	661.49	661.49
			08/17/20	NP	9.80	NM	NA	NA	661.08	661.08
			11/20/20	NP	10.38	NM ⁽⁵⁾	NA	NA	660.50	660.50
			12/17/20	NP	10.41	12.71	NA	NA	660.47	660.47
			02/08/21	NP	10.61	12.71	NA	NA	660.27	660.27
MW-210S	671.08	8.0-13.0	02/05/20	NP	9.35	13.00 ⁽³⁾	NA	NA	661.73	661.73
			05/18/20	NP	9.20	12.73	NA	NA	661.88	661.88
			08/17/20	NP	9.85	NM	NA	NA	661.23	661.23
			11/20/20	NP	10.40	NM ⁽⁵⁾	NA	NA	660.68	660.68
			12/17/20	NP	10.40	12.72	NA	NA	660.68	660.68
			02/08/21	NP	10.53	12.72	NA	NA	660.55	660.55
MW-211S	669.85	7.0-12.0	02/05/20	NP	7.91	12.00 ⁽³⁾	NA	NA	661.94	661.94
			05/18/20	NP	7.76	11.85	NA	NA	662.09	662.09
			08/17/20	NP	8.73	NM	NA	NA	661.12	661.12
			11/20/20	NP	9.34	NM ⁽⁵⁾	NA	NA	660.51	660.51
			12/17/20	NP	9.25	11.84	NA	NA	660.60	660.60
			02/08/21	NP	9.32	11.84	NA	NA	660.53	660.53
MW-212S	669.45	6.5-11.5	02/05/20	NP	7.39	11.50 ⁽³⁾	NA	NA	662.06	662.06
			05/18/20	NP	7.22	11.17	NA	NA	662.23	662.23
			08/17/20	NP	8.32	NM	NA	NA	661.13	661.13
			11/20/20	NP	8.93	NM ⁽⁵⁾	NA	NA	660.52	660.52
			12/17/20	NP	8.81	11.17	NA	NA	660.64	660.64
			02/08/21	NP	8.90	11.17	NA	NA	660.55	660.55
MW-213S	669.10	6.0-11.0	02/05/20	NP	7.02	11.00 ⁽³⁾	NA	NA	662.08	662.08
			05/18/20	NP	6.90	10.83	NA	NA	662.20	662.20
			08/17/20	NP	8.08	NM	NA	NA	661.02	661.02
			11/20/20	NP	8.66	NM ⁽⁵⁾	NA	NA	660.44	660.44
			12/17/20	NP	8.52	10.83	NA	NA	660.58	660.58
			02/08/21	NP	8.59	10.83	NA	NA	660.51	660.51
MW-218S	671.68	9.0-14.0	02/05/20	NP	9.97	14.00 ⁽³⁾	NA	NA	661.71	661.71
			05/18/20	NP	10.26	13.19	NA	NA	661.42	661.42
			08/17/20	NP	10.38	NM	NA	NA	661.30	661.30
			11/20/20	NP	11.01	NM ⁽⁵⁾	NA	NA	660.67	660.67
			12/17/20	NP	11.10	13.16	NA	NA	660.58	660.58
			02/08/21	NP	11.39	13.15	NA	NA	660.29	660.29
MW-219S	669.63	7.0-12.0	02/05/20	NP	7.14	12.00 ⁽³⁾	NA	NA	662.49	662.49
			05/18/20	NP	7.36	11.30	NA	NA	662.27	662.27
			08/17/20	NP	7.47	NM	NA	NA	662.16	662.16
			11/20/20	NP	8.04	NM ⁽⁵⁾	NA	NA	661.59	661.59
			12/17/20	NP	8.06	11.32	NA	NA	661.57	661.57
			02/08/21	NP	8.46	11.31	NA	NA	661.17	661.17

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Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)			
MW-220S	672.38	6.0-11.0	02/05/20	NP	7.62	11.00 ⁽³⁾	NA	NA	664.76	664.76			
			05/19/20	NP	7.64	10.44	NA	NA	664.74	664.74			
			08/17/20	NP	8.15	NM	NA	NA	664.23	664.23			
			11/20/20	NP	8.64	NM ⁽⁵⁾	NA	NA	663.74	663.74			
			02/08/21	NP	8.72	10.40	NA	NA	663.66	663.66			
MW-221S	672.85	6.5-11.5	02/05/20	NP	6.01	11.50 ⁽³⁾	NA	NA	666.84	666.84			
			05/18/20	NP	6.09	10.99	NA	NA	666.76	666.76			
			08/17/20	NP	6.46	NM	NA	NA	666.39	666.39			
			11/20/20	NP	6.48	NM ⁽⁵⁾	NA	NA	666.37	666.37			
			02/08/21	NP	6.48	10.97	NA	NA	666.37	666.37			
MW-222S	671.77	5.5-10.5	02/05/20	NP	8.38	10.50 ⁽³⁾	NA	NA	663.39	663.39			
			05/18/20	NP	5.85	9.50	NA	NA	665.92	665.92			
			08/17/20	NP	6.16	NM	NA	NA	665.61	665.61			
			11/20/20	NP	6.61	NM ⁽⁵⁾	NA	NA	665.16	665.16			
			02/08/21	NP	6.65	9.45	NA	NA	665.12	665.12			
MW-224S	676.96	7.0-12.0	02/05/20	NP	8.35	12.00 ⁽³⁾	NA	NA	668.61	668.61			
			05/18/20	NP	8.40	11.52	NA	NA	668.56	668.56			
			08/17/20	NP	8.87	NM	NA	NA	668.09	668.09			
			11/20/20	NP	9.13	NM ⁽⁵⁾	NA	NA	667.83	667.83			
			02/08/21	NP	9.33	11.51	NA	NA	667.63	667.63			
PW-16-01	670.23	9.7-19.7	07/24/17	NP	9.04	21.58	NA	NA	661.19	661.19			
			11/06/17	NP	8.45	21.58	NA	NA	661.78	661.78			
			02/05/18	NP	8.70	21.62	NA	NA	661.53	661.53			
			05/07/18	NP	7.24	21.44	NA	NA	662.99	662.99			
			08/16/18	NP	7.56	NM	NA	NA	662.67	662.67			
			11/19/18	NP	8.00	NM	NA	NA	662.23	662.23			
			02/22/19	NP	8.71	21.60	NA	NA	661.52	661.52			
			06/14/19	NP	7.40	21.45	NA	NA	662.83	662.83			
			09/26/19	NP	8.46	21.47	NA	NA	661.77	661.77			
			11/04/19	NP	8.61	21.57	NA	NA	661.62	661.62			
			02/05/20	NP	8.65	NM	NA	NA	661.58	661.58			
			05/18/20	NP	8.85	21.56	NA	NA	661.38	661.38			
			08/17/20	NP	8.55	NM	NA	NA	661.68	661.68			
			11/20/20	NP	9.05	NM ⁽⁵⁾	NA	NA	661.18	661.18			
			12/17/20	NP	9.21	21.56	NA	NA	661.02	661.02			
			02/08/21	NP	9.46	21.42	NA	NA	660.77	660.77			
			PW-16-02	669.97	6.0-21.0	07/24/17	NP	6.77	8.36	NA	NA	663.20	663.20
						11/06/17	NP	6.54	23.79	NA	NA	663.43	663.43
02/05/18	NP	6.65				24.55	NA	NA	663.32	663.32			
05/07/18	NP	4.85				23.65	NA	NA	665.12	665.12			
08/16/18	NP	6.40				NM	NA	NA	663.57	663.57			
11/19/18	NP	5.72				NM	NA	NA	664.25	664.25			
02/25/19	NP	5.29				23.69	NA	NA	664.68	664.68			
06/14/19	NP	4.78				23.78	NA	NA	665.19	665.19			
09/26/19	NP	6.75				23.70	NA	NA	663.22	663.22			
11/04/19	NP	6.05				23.72	NA	NA	663.92	663.92			
02/05/20	NP	5.20				NM	NA	NA	664.77	664.77			
05/18/20	NP	4.90				23.85	NA	NA	665.07	665.07			
08/17/20	NP	6.25				NM	NA	NA	663.72	663.72			
11/20/20	NP	6.42				NM ⁽⁵⁾	NA	NA	663.55	663.55			
12/17/20	NP	6.60				23.79	NA	NA	663.37	663.37			
02/08/21	NP	6.78				23.80	NA	NA	663.19	663.19			
TW-16-01	669.53	12.0-17.0				07/24/17	NP	8.36	16.80	NA	NA	661.17	661.17
						11/06/17	NP	7.68	16.64	NA	NA	661.85	661.85
			02/05/18	NP	7.91	16.87	NA	NA	661.62	661.62			
			05/07/18	NP	6.87	16.64	NA	NA	662.66	662.66			
			08/16/18	NP	6.78	NM	NA	NA	662.75	662.75			
			11/19/18	NP	7.14	NM	NA	NA	662.39	662.39			
			02/22/19	NP	7.91	16.62	NA	NA	661.62	661.62			
			06/14/19	NP	6.59	16.62	NA	NA	662.94	662.94			
			09/26/19	NP	7.71	16.80	NA	NA	661.82	661.82			
			11/04/19	NP	7.58	16.80	NA	NA	661.95	661.95			
			02/05/20	NP	7.93	NM	NA	NA	661.60	661.60			
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾			
			08/17/20	NP	7.77	NM	NA	NA	661.76	661.76			
			11/20/20	NP	8.26	NM ⁽⁵⁾	NA	NA	661.27	661.27			
			12/17/20	NP	8.34	16.65	NA	NA	661.19	661.19			
			02/08/21	NP	8.68	16.78	NA	NA	660.85	660.85			
			03/23/21	NP	8.99	NM	NA	NA	660.54	660.54			
			TW-16-02	669.43	12.0-17.0	04/20/17	NP	4.48	18.85	NA	NA	664.95	664.95
07/24/17	NP	8.00				17.14	NA	NA	661.43	661.43			
11/06/17	NP	7.48				17.17	NA	NA	661.95	661.95			
02/05/18	NP	7.71				17.15	NA	NA	661.72	661.72			
05/07/18	NP	6.85				16.91	NA	NA	662.58	662.58			
08/16/18	NP	6.62				NM	NA	NA	662.81	662.81			
11/19/18	NP	6.94				NM	NA	NA	662.49	662.49			
02/22/19	NP	7.67				17.13	NA	NA	661.76	661.76			
06/14/19	NP	6.36				16.89	NA	NA	663.07	663.07			
09/26/19	NP	7.50				17.15	NA	NA	661.93	661.93			
11/04/19	NP	7.43				17.12	NA	NA	662.00	662.00			
02/05/20	NP	7.65				NM	NA	NA	661.78	661.78			
05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾				NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾			
08/17/20	NP	7.60				NM	NA	NA	661.83	661.83			
11/20/20	NP	8.09				NM ⁽⁵⁾	NA	NA	661.34	661.34			
12/17/20	NP	8.16				17.21	NA	NA	661.27	661.27			
02/08/21	NP	8.44				17.14	NA	NA	660.99	660.99			
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Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)			
TW-16-03	669.34	9.0-19.0	07/24/17	NP	6.10	18.65	NA	NA	663.24	663.24			
			11/06/17	NP	6.00	18.65	NA	NA	663.34	663.34			
			02/05/18	NP	6.05	18.75	NA	NA	663.29	663.29			
			05/07/18	NP	4.29	18.72	NA	NA	665.05	665.05			
			08/16/18	NP	5.79	NM	NA	NA	663.55	663.55			
			11/19/18	NP	5.13	NM	NA	NA	664.21	664.21			
			02/25/19	NP	4.74	18.89	NA	NA	664.60	664.60			
			06/14/19	NP	4.22	18.74	NA	NA	665.12	665.12			
			09/26/19	NP	6.16	18.65	NA	NA	663.18	663.18			
			11/04/19	NP	5.44	18.33	NA	NA	663.90	663.90			
			02/05/20	NP	4.58	NM	NA	NA	664.76	664.76			
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾			
			08/17/20	NP	4.60	NM	NA	NA	664.74	664.74			
			11/20/20	NP	6.19	NM ⁽⁵⁾	NA	NA	663.15	663.15			
			12/17/20	NP	5.99	18.67	NA	NA	663.35	663.35			
			02/08/21	NP	6.12	18.65	NA	NA	663.22	663.22			
TW-16-04	669.80	9.0-19.0	03/23/21	NP	5.92	NM	NA	NA	663.42	663.42			
			04/20/17	NP	4.90	19.02	NA	NA	664.90	664.90			
			07/24/17	NP	6.46	18.93	NA	NA	663.34	663.34			
			11/06/17	NP	6.36	18.93	NA	NA	663.44	663.44			
			02/05/18	NP	6.43	18.73	NA	NA	663.37	663.37			
			05/07/18	NP	4.65	18.90	NA	NA	665.15	665.15			
			08/16/18	NP	6.17	NM	NA	NA	663.63	663.63			
			11/19/18	NP	5.59	NM	NA	NA	664.21	664.21			
			02/25/19	NP	5.10	18.92	NA	NA	664.70	664.70			
			06/14/19	NP	4.61	18.71	NA	NA	665.19	665.19			
			09/26/19	NP	6.53	18.93	NA	NA	663.27	663.27			
			11/04/19	NP	5.89	18.91	NA	NA	663.91	663.91			
			02/05/20	NP	4.98	NM	NA	NA	664.82	664.82			
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾			
			08/17/20	NP	5.00	NM	NA	NA	664.80	664.80			
			11/20/20	NP	6.51	NM ⁽⁵⁾	NA	NA	663.29	663.29			
PZ-01	670.88	15.0-20.0	12/17/20	NP	6.31	18.94	NA	NA	663.49	663.49			
			02/08/21	NP	6.45	18.72	NA	NA	663.35	663.35			
			02/22/19	NP	8.64	19.42	NA	NA	662.24	662.24			
			06/14/19	NP	7.84	19.42	NA	NA	663.04	663.04			
			09/26/19	NP	9.57	19.43	NA	NA	661.31	661.31			
			11/04/19	NP	9.07	19.43	NA	NA	661.81	661.81			
			02/05/20	NP	8.44	NM	NA	NA	662.44	662.44			
			04/01/20	NP	8.44	NM	NA	NA	662.44	662.44			
			05/18/20	NP	8.25	19.44	NA	NA	662.63	662.63			
			08/17/20	NP	9.35	NM	NA	NA	661.53	661.53			
			11/20/20	NP	9.95	19.43 ⁽⁵⁾	NA	NA	660.93	660.93			
			12/17/20	NP	9.90	19.45	NA	NA	660.98	660.98			
			02/08/21	NP	9.96	19.44	NA	NA	660.92	660.92			
			03/23/21	NP	9.74	NM	NA	NA	661.14	661.14			
			PZ-02	670.67	15.0-20.0	02/22/19	NP	8.90	19.70	NA	NA	661.77	661.77
						06/14/19	NP	8.06	19.70	NA	NA	662.61	662.61
09/26/19	NP	9.20				19.72	NA	NA	661.47	661.47			
11/04/19	NP	9.15				19.70	NA	NA	661.52	661.52			
02/05/20	NP	9.09				NM	NA	NA	661.58	661.58			
05/18/20	NP	8.68				19.71	NA	NA	661.99	661.99			
08/17/20	NP	9.24				NM	NA	NA	661.43	661.43			
11/20/20	NP	9.78				19.71 ⁽⁵⁾	NA	NA	660.89	660.89			
12/17/20	NP	9.74				19.72	NA	NA	660.93	660.93			
02/08/21	NM	NM				NM	NA	NA	NM	NM			
03/23/21	NP	9.77				NM	NA	NA	660.90	660.90			
PZ-03	670.62	15.0-20.0				02/22/19	NP	9.23	19.68	NA	NA	661.39	661.39
						06/14/19	NP	8.31	19.68	NA	NA	662.31	662.31
						09/26/19	NP	9.48	19.67	NA	NA	661.14	661.14
						11/04/19	NP	9.49	19.68	NA	NA	661.13	661.13
						02/05/20	NP	9.35	NM	NA	NA	661.27	661.27
			04/01/20	NP	9.43	NM	NA	NA	661.19	661.19			
			05/18/20	NP	9.24	19.69	NA	NA	661.38	661.38			
			08/17/20	NP	9.53	NM	NA	NA	661.09	661.09			
			11/20/20	NP	9.95	19.67 ⁽⁵⁾	NA	NA	660.67	660.67			
			12/17/20	NP	9.98	19.70	NA	NA	660.64	660.64			
			02/08/21	NP	10.16	19.70	NA	NA	660.46	660.46			
			03/23/21	NP	10.22	NM	NA	NA	660.40	660.40			
			PZ-04	671.03	16.0-21.0	02/22/19	NP	10.18	19.75	NA	NA	660.85	660.85
						06/14/19	NP	9.26	20.73	NA	NA	661.77	661.77
						09/26/19	NP	10.56	20.77	NA	NA	660.47	660.47
						11/04/19	NP	12.22	19.74 ⁽²⁾	NA	NA	658.81	658.81
02/05/20	NP	10.12				NM	NA	NA	660.91	660.91			
05/18/20	NP	10.67				20.64	NA	NA	660.36	660.36			
08/17/20	NP	10.25				NM	NA	NA	660.78	660.78			
11/20/20	NP	10.74				NM ⁽⁵⁾	NA	NA	660.29	660.29			
12/17/20	NP	11.54				20.74	NA	NA	659.49	659.49			
02/08/21	NM	NM				NM	NA	NA	NM	NM			
03/23/21	NP	11.30				NM	NA	NA	659.73	659.73			
PZ-05	670.92	15.0-20.0				02/22/19	NP	10.60	19.63	NA	NA	660.32	660.32
						06/14/19	NP	9.52	19.64	NA	NA	661.40	661.40
						09/26/19	NP	10.25	19.62	NA	NA	660.67	660.67
						11/04/19	NP	10.42	19.63	NA	NA	660.50	660.50
						02/05/20	NP	10.85	NM	NA	NA	660.07	660.07
			04/01/20	NP	11.15	NM	NA	NA	659.77	659.77			
			05/18/20	NP	11.03	19.63	NA	NA	659.89	659.89			
			08/17/20	NP	10.40	NM	NA	NA	660.52	660.52			
			11/20/20	NP	10.85	19.61 ⁽⁵⁾	NA	NA	660.07	660.07			
			12/17/20	NP	11.32	19.65	NA	NA	659.60	659.60			
			02/08/21	NP	11.57	19.63	NA	NA	659.35	659.35			
			03/23/21	NP	11.99	NM	NA	NA	658.93	658.93			
			See Notes on Last Page.										

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
PZ-06	671.82	16.0-21.0	02/22/19	NP	10.85	20.97	NA	NA	660.97	660.97
			06/14/19	NP	9.37	20.98	NA	NA	662.45	662.45
			09/26/19	NP	9.94	20.97	NA	NA	661.88	661.88
			11/04/19	NP	9.53	20.92	NA	NA	662.29	662.29
			02/05/20	NP	10.06	NM	NA	NA	661.76	661.76
			04/01/20	NP	10.00	NM	NA	NA	661.82	661.82
			05/18/20	NP	9.64	20.98	NA	NA	662.18	662.18
			08/17/20	NP	10.10	NM	NA	NA	661.72	661.72
			11/20/20	NP	10.53	20.98 ⁽⁵⁾	NA	NA	661.29	661.29
			12/17/20	NP	10.83	21.00	NA	NA	660.99	660.99
			02/08/21	NP	10.98	21.00	NA	NA	660.84	660.84
			03/23/21	NP	10.89	NM	NA	NA	660.93	660.93
PZ-07	670.87	15.0-20.0	02/22/19	NP	9.49	19.78	NA	NA	661.38	661.38
			06/14/19	NP	8.41	19.79	NA	NA	662.46	662.46
			09/26/19	NP	9.09	19.79	NA	NA	661.78	661.78
			11/04/19	NP	8.73	19.77	NA	NA	662.14	662.14
			02/05/20	NP	9.11	NM	NA	NA	661.76	661.76
			04/01/20	NP	9.11	NM	NA	NA	661.76	661.76
			05/18/20	NP	8.77	19.79	NA	NA	662.10	662.10
			08/17/20	NP	9.22	NM	NA	NA	661.65	661.65
			11/20/20	NP	9.66	19.77 ⁽⁵⁾	NA	NA	661.21	661.21
			12/17/20	NP	9.87	19.82	NA	NA	661.00	661.00
			02/08/21	NP	10.05	19.80	NA	NA	660.82	660.82
			03/23/21	NP	9.97	NM	NA	NA	660.90	660.90
PZ-08	668.62	15.0-20.0	02/22/19	NP	5.85	19.50	NA	NA	662.77	662.77
			06/14/19	NP	5.31	19.85	NA	NA	663.31	663.31
			09/26/19	NP	7.01	19.88	NA	NA	661.61	661.61
			11/04/19	NP	6.18	19.85	NA	NA	662.44	662.44
			02/05/20	NP	5.46	NM	NA	NA	663.16	663.16
			04/01/20	NP	5.42	NM	NA	NA	663.20	663.20
			05/18/20	NP	5.28	19.84	NA	NA	663.34	663.34
			08/17/20	NP	6.55	NM	NA	NA	662.07	662.07
			11/20/20	NP	7.23	19.85 ⁽⁵⁾	NA	NA	661.39	661.39
			12/17/20	NP	7.20	19.88	NA	NA	661.42	661.42
			02/08/21	NP	7.33	19.88	NA	NA	661.29	661.29
			03/23/21	NP	7.07	NM	NA	NA	661.55	661.55
PZ-09	671.91	15.0-20.0	03/08/19	NP	10.36	19.75	NA	NA	661.55	661.55
			06/14/19	NP	9.47	19.74	NA	NA	662.44	662.44
			09/26/19	NP	10.02	19.76	NA	NA	661.89	661.89
			11/04/19	NP	9.76	19.77	NA	NA	662.15	662.15
			02/05/20	NP	10.12	NM	NA	NA	661.79	661.79
			04/01/20	NP	10.15	NM	NA	NA	661.76	661.76
			05/18/20	NP	9.98	19.75	NA	NA	661.93	661.93
			08/17/20	NP	10.15	NM	NA	NA	661.76	661.76
			11/20/20	NP	10.45	19.73 ⁽⁵⁾	NA	NA	661.46	661.46
			12/17/20	NP	10.52	19.73	NA	NA	661.39	661.39
			02/08/21	NP	10.72	19.75	NA	NA	661.19	661.19
			03/23/21	NP	10.78	NM	NA	NA	661.13	661.13
PZ-10	671.42	15.0-20.0	02/22/19	NP	10.39	19.76	NA	NA	661.03	661.03
			06/14/19	NP	9.59	19.77	NA	NA	661.83	661.83
			09/26/19	NP	10.13	19.78	NA	NA	661.29	661.29
			11/04/19	NP	9.93	19.77	NA	NA	661.49	661.49
			02/05/20	NP	10.19	NM	NA	NA	661.23	661.23
			04/01/20	NP	9.75	NM	NA	NA	661.67	661.67
			05/18/20	NP	9.95	17.71	NA	NA	661.47	661.47
			08/17/20	NP	10.00	NM	NA	NA	661.42	661.42
			11/20/20	NP	10.26	19.76 ⁽⁵⁾	NA	NA	661.16	661.16
			12/17/20	NP	10.37	19.78	NA	NA	661.05	661.05
			02/08/21	NP	10.55	19.78	NA	NA	660.87	660.87
			03/23/21	NP	10.54	NM	NA	NA	660.88	660.88
PZ-11	671.06	15.0-20.0	02/22/19	NP	10.72	19.83	NA	NA	660.34	660.34
			06/14/19	NP	9.52	19.83	NA	NA	661.54	661.54
			09/26/19	NP	10.38	19.83	NA	NA	660.68	660.68
			11/04/19	NP	10.40	19.82	NA	NA	660.66	660.66
			02/05/20	NP	10.83	NM	NA	NA	660.23	660.23
			04/01/20	NP	10.52	NM	NA	NA	660.54	660.54
			05/18/20	NP	10.64	19.83	NA	NA	660.42	660.42
			08/17/20	NP	10.44	NM	NA	NA	660.62	660.62
			11/20/20	NP	10.71	19.84 ⁽⁵⁾	NA	NA	660.35	660.35
			12/17/20	NP	10.90	19.85	NA	NA	660.16	660.16
			02/08/21	NP	11.15	19.83	NA	NA	659.91	659.91
			03/23/21	NP	11.29	NM	NA	NA	659.77	659.77
PZ-12	671.29	15.0-20.0	02/22/19	NP	11.74	19.65	NA	NA	659.55	659.55
			06/14/19	NP	10.63	19.62	NA	NA	660.66	660.66
			09/26/19	NP	11.20	19.62	NA	NA	660.09	660.09
			11/04/19	NP	11.89	19.63	NA	NA	659.40	659.40
			02/05/20	NP	12.53	NM	NA	NA	658.76	658.76
			04/01/20	NP	12.01	NM	NA	NA	659.28	659.28
			05/18/20	NP	12.88	19.64	NA	NA	658.41	658.41
			08/17/20	NP	11.49	NM	NA	NA	659.80	659.80
			11/20/20	NP	11.97	19.56 ⁽⁵⁾	NA	NA	659.32	659.32
			12/17/20	NP	12.86	19.66	NA	NA	658.43	658.43
			02/08/21	NP	12.76	19.60	NA	NA	658.53	658.53
			03/23/21	NP	13.76	NM	NA	NA	657.53	657.53
PZ-13	671.21	15.0-20.0	02/22/19	NP	10.46	18.77	NA	NA	660.75	660.75
			06/14/19	NP	9.60	19.73	NA	NA	661.61	661.61
			09/26/19	NP	10.21	18.76	NA	NA	661.00	661.00
			11/04/19	NP	10.02	18.74	NA	NA	661.19	661.19
			02/05/20	NP	10.34	NM	NA	NA	660.87	660.87
			04/01/20	NP	9.76	NM	NA	NA	661.45	661.45
			05/18/20	NP	10.06	18.72	NA	NA	661.15	661.15
			08/17/20	NP	10.06	NM	NA	NA	661.15	661.15
			11/20/20	NP	10.31	18.72 ⁽⁵⁾	NA	NA	660.90	660.90
			12/17/20	NP	10.49	18.77	NA	NA	660.72	660.72
			02/08/21	NP	10.65	18.78	NA	NA	660.56	660.56
			03/23/21	NP	10.67	NM	NA	NA	660.54	660.54

See Notes on Last Page.

Well ID	TOC Elevation ⁽¹⁾ (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
PZ-14	670.26	13.0-18.0	06/14/19	NP	6.45	17.84	NA	NA	663.81	663.81
			09/26/19	NP	7.81	17.84	NA	NA	662.45	662.45
			11/04/19	NP	7.16	17.84	NA	NA	663.10	663.10
			02/05/20	NP	6.60	NM	NA	NA	663.66	663.66
			05/18/20	6.30	6.40	17.85	663.96	0.10	663.86	663.94
			08/17/20	NP	7.57	NM	NA	NA	662.69	662.69
			11/20/20	NP	8.15	17.84 ⁽⁵⁾	NA	NA	662.11	662.11
			12/17/20	NP	8.22	17.86	NA	NA	662.04	662.04
			02/08/21	NP	8.29	17.83	NA	NA	661.97	661.97
			03/23/21	NP	8.12	NM	NA	NA	662.14	662.14
PZ-15	669.28	13.0-18.0	06/14/19	NP	5.56	17.32	NA	NA	663.72	663.72
			09/26/19	NP	7.34	17.28	NA	NA	661.94	661.94
			11/04/19	NP	6.41	17.24	NA	NA	662.87	662.87
			02/05/20	NP	5.73	NM	NA	NA	663.55	663.55
			04/01/20	NP	5.54	NM	NA	NA	663.74	663.74
			05/18/20	NP	5.46	17.27	NA	NA	663.82	663.82
			08/17/20	NP	6.75	NM	NA	NA	662.53	662.53
			11/20/20	NP	7.51	17.25 ⁽⁵⁾	NA	NA	661.77	661.77
			12/17/20	NP	7.37	17.27	NA	NA	661.91	661.91
			02/08/21	NP	7.55	17.27	NA	NA	661.73	661.73
			03/23/21	NP	7.26	NM	NA	NA	662.02	662.02

Notes:
Water level measurements collected from top of well casing.
⁽¹⁾ TOC elevation re-surveyed on October 12-13 and/or November 20, 2017 by Geodetic Designs Inc. Monitoring well TOC surveyed for MW-21, MW-22, and MW-194 through MW-201S on 11/12/2019 after reinstallation or repairs.
⁽²⁾ Monitoring well total depth incorrect due to field measurement error. Confirmed during sampling of the monitoring well.
⁽³⁾ Monitoring well total depth not measured. Measurement shown is based on the recorded well screen depth from the well construction log.
⁽⁴⁾ Monitoring well not measured during second quarter of 2020.
⁽⁵⁾ Monitoring well total depth not measured from all wells during fourth quarter of 2020.

* Monitoring well TOC unable to be re-surveyed due to access restrictions.
** Unable to calculate a corrected groundwater elevation due to LNAPL thickness throughout well screen.

Abbreviations:	
EGLE	Michigan Department of Environment, Great Lakes, and Energy
ft.	feet
ft. amsl	feet above mean sea level
ft. bgs	feet below ground surface
ft. btoc	feet below top of casing
ID	Identification
LNAPL	light non-aqueous phase liquid
NA	not applicable
NM	not measured
NP	no product detected
TOC	top of casing

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Location: Screen Interval (ft. bgs):	Unit	EGLE Non-Residential Drinking Water Criteria	LMW-20-11			LMW-20-12			LMW-20-13			LMW-20-14			LMW-20-15			LMW-20-16			LMW-20-18			LMW-20-20			LMW-20-21			
			5-15			7-17			6-16			6-16			7.5-17.5			7.5-17.5			6.5-16.5			4-14			7-17			
Date:	Unit		3/12/2020	8/11/2020	11/12/2020	3/10/2020	8/12/2020	11/18/2020	3/10/2020	8/12/2020	11/18/2020	3/10/2020	8/12/2020	11/17/2020	3/13/2020	8/11/2020	11/16/2020	3/12/2020	8/11/2020	11/13/2020	3/13/2020	8/10/2020	11/11/2020	3/13/2020	8/10/2020	11/12/2020	3/12/2020	8/12/2020	11/19/2020	
Semi-volatile Organic Compounds (SVOCs)																														
1,4-Dioxane	µg/L	350	< 2.0	1.0 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.9 J	1.6 J	< 2.0	< 2.0	< 2.0	1.0 J	< 2.0	< 2.0	1.8 J	1.8 J	3.8	12 J	11 J	5.6	< 2.0	< 2.0	< 2.0	1.2 J	1.4 J	2.1	
Volatile Organic Compounds (VOCs)																														
1,1,1-Trichloroethane	µg/L	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	µg/L	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	µg/L	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	µg/L	2,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	1.5 J	< 10	< 5.0	< 2.5	< 1,000	< 1,000	< 1,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	µg/L	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	µg/L	63	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	µg/L	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane	µg/L	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	µg/L	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	µg/L	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	µg/L	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	µg/L	72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	µg/L	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	µg/L	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Butanone (MEK)	µg/L	38,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Methylnaphthalene	µg/L	750	NA	NA	< 5.0	NA	NA	< 5.0 J	NA	NA	< 5.0	NA	NA	< 5.0	NA	NA	< 25	NA	NA	< 13	NA	NA	< 5,000	NA	NA	< 5.0	NA	NA	< 5.0	
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Acetone	µg/L	2,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzene	µg/L	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	µg/L	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bromoform	µg/L	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bromomethane	µg/L	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Carbon Disulfide	µg/L	2,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Carbon Tetrachloride	µg/L	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane (CFC-11)	µg/L	7,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane (CFC-12)	µg/L	4,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chlorobenzene	µg/L	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chlorodibromomethane	µg/L	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chloroethane	µg/L	1,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chloroform	µg/L	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chloromethane	µg/L	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	µg/L	70	< 1.0 UB	< 1.0	0.27 J	1.1	0.88 J	0.98 J	0.18 J	< 1.0	0.19 J	0.30 J	< 1.0	< 1.0 UB	180	170	180	340	75	160	23,000	12,000	15,000	< 1.0	< 1.0	< 1.0 UB	1.0	0.68 J	0.81 J	
cis-1,3-Dichloropropene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cyclohexane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dichloromethane	µg/L	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Diethyl ether	µg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethylbenzene	µg/L	74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Isopropylbenzene	µg/L	2,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl Acetate	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/L	2,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methylcyclohexane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	LMW-20-11 5-15			LMW-20-12 7-17			LMW-20-13 6-16			LMW-20-14 6-16			LMW-20-15 7.5-17.5			LMW-20-16 7.5-17.5			LMW-20-18 6.5-16.5			LMW-20-20 4-14			LMW-20-21 7-17		
				3/12/2020	8/11/2020	11/12/2020	3/10/2020	8/12/2020	11/18/2020	3/10/2020	8/12/2020	11/18/2020	3/10/2020	8/12/2020	11/17/2020	3/13/2020	8/11/2020	11/16/2020	3/12/2020	8/11/2020	11/13/2020	3/13/2020	8/10/2020	11/11/2020	3/13/2020	8/10/2020	11/12/2020	3/12/2020	8/12/2020	11/19/2020
Methyl-tert-butyl ether		µg/L	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene		µg/L	1,500	NA	NA	< 1.0	NA	NA	< 1.0 J	NA	NA	< 1.0	NA	NA	< 1.0	NA	NA	< 5.0	NA	NA	< 2.5	NA	NA	< 1,000	NA	NA	< 1.0	NA	NA	< 1.0
Styrene (Monomer)		µg/L	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene		µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 5.0	< 5.0	< 10	< 5.0	< 2.5	< 1,000	< 1,000	< 1,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		µg/L	790	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes		µg/L	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene		µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	0.32 J	< 1.0	< 1.0	13	17	17	< 10	2.6 J	0.69 J	< 1,000	< 1,000	< 1,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene		µg/L	5.0	0.11 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0 UB	< 1.0	< 1.0	< 1.0 UB	0.56 J	0.72 J	82	83	62	32	47	51	30,000 J	19,000	21,000	< 1.0	< 1.0	< 1.0	0.14 J	< 1.0	< 1.0
Vinyl chloride		µg/L	2.0	< 1.0	< 1.0	< 1.0	0.83 J	3.5	2.6 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	22	19	13	210	46	160	1,500	910 J	960 J	< 1.0	< 1.0	< 1.0	1.1	0.59 J	0.67 J
Gases																														
Ethane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																														
Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N		mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate		mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																														
Iron, Dissolved		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Location: Screen Interval (ft. bgs):	Unit	EGLE Non-Residential Drinking Water Criteria	LMW-20-22			LMW-20-23			LMW-20-24			LMW-20-25		LMW-20-26			LMW-20-27			LMW-20-28	
			6.5-16.5			5-15			2-12			2-12		5-15			5-15			4.5-14.5	
Date:			3/13/2020	8/12/2020	11/19/2020	3/13/2020	8/10/2020	11/10/2020	6/11/2020	8/11/2020	11/19/2020	6/11/2020	8/12/2020	6/11/2020	8/10/2020	11/5/2020	6/11/2020	8/10/2020	11/5/2020	7/10/2020	8/12/2020
Semi-volatile Organic Compounds (SVOCs)																					
1,4-Dioxane	µg/L	350	2.4	2.4	5.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.3 J	< 2.0	< 2.0	0.88 J	1.4 J	1.6 J	3.1	1.0 J	1.2 J
Volatile Organic Compounds (VOCs)																					
1,1,1-Trichloroethane	µg/L	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	µg/L	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	µg/L	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	µg/L	2,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	µg/L	7.0	< 3.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.86 J	1.8 J	< 2.5	< 5.0	< 2.5	< 2.5	< 8.0	< 5.0	< 1.0	< 1.0
1,2,3-Trimethylbenzene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	µg/L	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	µg/L	63	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	µg/L	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane	µg/L	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	µg/L	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	µg/L	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	µg/L	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	µg/L	72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	µg/L	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	µg/L	75	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Butanone (MEK)	µg/L	38,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Methylnaphthalene	µg/L	750	NA	NA	< 5.0	NA	NA	< 5.0	NA	NA	< 5.0	NA	NA	NA	NA	< 13	NA	NA	< 25	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Acetone	µg/L	2,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzene	µg/L	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	µg/L	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bromoform	µg/L	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Bromomethane	µg/L	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Carbon Disulfide	µg/L	2,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Carbon Tetrachloride	µg/L	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane (CFC-11)	µg/L	7,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane (CFC-12)	µg/L	4,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chlorobenzene	µg/L	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chlorodibromomethane	µg/L	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chloroethane	µg/L	1,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chloroform	µg/L	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chloromethane	µg/L	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	µg/L	70	14	25	24	< 1.0	< 1.0	< 1.0	0.52 J	0.86 J	0.38 J	65	95	54	130	120	64	160	120	0.64 J	0.79 J
cis-1,3-Dichloropropene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Cyclohexane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Dichloromethane	µg/L	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Diethyl ether	µg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethylbenzene	µg/L	74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Isopropylbenzene	µg/L	2,300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl Acetate	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl N-Butyl Ketone (2-Hexanone)	µg/L	2,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methylcyclohexane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	LMW-20-22 6.5-16.5			LMW-20-23 5-15			LMW-20-24 2-12			LMW-20-25 2-12		LMW-20-26 5-15			LMW-20-27 5-15			LMW-20-28 4.5-14.5	
				3/13/2020	8/12/2020	11/19/2020	3/13/2020	8/10/2020	11/10/2020	6/11/2020	8/11/2020	11/19/2020	6/11/2020	8/12/2020	6/11/2020	8/10/2020	11/5/2020	6/11/2020	8/10/2020	11/5/2020	7/10/2020	8/12/2020
Methyl-tert-butyl ether		µg/L	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene		µg/L	1,500	NA	NA	< 1.0	NA	NA	< 1.0	NA	NA	< 1.0	NA	NA	NA	NA	< 2.5	NA	NA	< 5.0	NA	NA
Styrene (Monomer)		µg/L	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene		µg/L	5.0	< 3.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	32	18	< 2.5	< 5.0	< 2.5	< 2.5	< 8.0	< 5.0	< 1.0	< 1.0
Toluene		µg/L	790	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes		µg/L	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene		µg/L	100	1.0 J	2.1	2.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.7	7.3	0.55 J	< 5.0	0.72 J	2.2 J	< 8.0	1.2 J	< 1.0	< 1.0
trans-1,3-Dichloropropene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene		µg/L	5.0	2.5 J	0.65 J	0.45 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	12	28	0.76 J	< 5.0	0.42 J	55.0	69.0	47	< 1.0	< 1.0
Vinyl chloride		µg/L	2.0	56	35	39	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.24 J	2.3 J	6.2	53	73	130	11	11	16	< 1.0	< 1.0
Gases																						
Ethane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																						
Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N		mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate		mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																						
Iron, Dissolved		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-01 14-19														MW-02 15.5-20.5																
			4/26/2017	7/28/2017	11/10/2017	5/11/2018	8/14/2018	10/29/2018	3/1/2019	6/11/2019	9/25/2019	11/15/2019	2/14/2020	8/25/2020	11/9/2020	2/12/2021	4/27/2017	8/3/2017	11/9/2017	2/13/2018	5/10/2018	8/10/2018	10/26/2018	3/1/2019	6/11/2019	9/25/2019	11/20/2019	2/19/2020	5/20/2020	8/19/2020	11/17/2020	2/10/2021	
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	< 100	< 200	< 10	< 100	< 100	< 250	< 250	< 250	
Toluene	µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	< 50	< 100	< 130	< 130	< 50	< 290	< 100	< 200	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	200	270	260	390	510	510	530	760	790	840	760	860	840	980	630	700		
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 25	< 50	< 67	< 67	< 25	< 140	8.2 J	< 100 J	< 100	27 J	3.4 J	< 100	< 250	< 250	< 250		
Vinyl chloride	µg/L	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	200	160	140	210	190	170	190	230	190	200	160	280	150	200 J	210 J	210 J	
Gases																																	
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																	
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																	
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-03															MW-04															
				14-19															15.5-20.5															
				4/27/2017	8/3/2017	11/9/2017	2/13/2018	5/10/2018	8/7/2018	10/26/2018	3/1/2019	6/11/2019	9/25/2019	11/19/2019	2/19/2020	5/27/2020	8/19/2020	11/18/2020	2/10/2021	4/27/2017	8/3/2017	11/9/2017	2/13/2018	5/10/2018	8/7/2018	10/26/2018	3/1/2019	6/11/2019	9/25/2019	11/19/2019	2/19/2020	5/20/2020	8/19/2020	11/17/2020
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	J	NA	NA	NA	NA	NA	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000 J	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	< 1,000	< 1,700	< 100	< 1,300	< 1,300	< 710	< 710	< 1000
Toluene	µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	< 2,000	< 2,000	< 2,000	< 3,300	< 2,000 J	< 2,000	< 1,000	< 4,000	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1,200	1,100	850 J	1,100 J	860 J	1,000	1,100	1,000 J	310 J	770 J	790	670 J	950 J	610 J	410 J	360 J
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	21,000	18,000	19,000	23,000	23,000 J	31,000	35,000	41,000	13,000	35,000	35,000	28,000	36,000	24,000	15,000	7,800
Vinyl chloride	µg/L	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	570 J	640 J	470 J	< 1,700	610 J	< 1,000	610	1,100 J	< 1,000	670 J	870	1,300	810 J	1,300	1,600	1,200
Gases																																		
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																		
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																		
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-05 15.5-20.5															MW-07 18-23														
			8/3/2017	11/9/2017	2/13/2018	5/10/2018	8/7/2018	10/26/2018	3/1/2019	6/11/2019	9/27/2019	11/20/2019	2/19/2020	5/27/2020	8/19/2020	11/18/2020	2/10/2021	7/31/2017	11/10/2017	2/12/2018	5/11/2018	8/14/2018	10/29/2018	2/27/2019	5/10/2019	9/25/2019	11/22/2019	2/7/2020	8/14/2020	11/12/2020	2/12/2021	
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J		
Toluene	µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J		
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.18 J	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.40 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J		
Vinyl chloride	µg/L	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J		
Gases																																
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-09 19.5-24.5														MW-10 16.5-21.5															
			7/28/2017	11/10/2017	2/12/2018	5/11/2018	8/14/2018	10/29/2018	3/1/2019	6/10/2019	9/23/2019	11/21/2019	2/10/2020	8/14/2020	11/10/2020	2/11/2021	4/27/2017	8/4/2017	11/9/2017	2/13/2018	5/10/2018	8/9/2018	11/7/2018	3/1/2019	6/11/2019	9/27/2019	11/19/2019	2/19/2020	5/20/2020	8/20/2020	11/17/2020	2/10/2021
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100 J	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	< 100	< 200	< 10	< 200	< 200	< 330	< 330	< 330
Toluene	µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	< 100	< 130	< 200	< 400	< 200	< 290	< 500	< 200	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	< 100	< 200	< 10	< 200	< 200	< 330	< 330	< 330
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 67	< 100	< 200	< 100	< 140	< 250	14 J	< 100	< 200	< 10	< 200	< 200	< 330	< 330	< 330
Vinyl chloride	µg/L	2.0	5.5	7.1	4.6	2.2	1.7	1.5	0.94 J	1.2	0.98 J	0.81 J	0.20 J	0.95 J	1.8	1.9	1,200	2,100	2,000	1,900	3,100	2,300	3,100	3,300	3,600	3,000	2,700	5,300	3,300	5,500	4,800	4,600
Gases																																
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-14														MW-15-59D															
			15-20														94-99															
			7/28/2017	11/10/2017	2/12/2018	5/11/2018	8/14/2018	10/29/2018	2/26/2019	6/12/2019	9/23/2019	11/21/2019	2/3/2020	8/13/2020	11/10/2020	2/11/2021	4/26/2017	8/1/2017	11/15/2017	2/6/2018	5/15/2018	8/9/2018	10/31/2018	3/5/2019	6/13/2019	9/27/2019	11/22/2019	2/21/2020	8/21/2020	11/17/2020	2/26/2021	
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene	µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	0.35 J	0.46 J	0.30 J	0.31 J	< 1.0	0.17 J	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	< 2.0	0.25 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.28 J	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Gases																																
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-15-60D															MW-15-61D														
			93-98															88-93														
			4/28/2017	8/1/2017	11/15/2017	2/6/2018	5/11/2018	8/7/2018	10/29/2018	3/5/2019	6/13/2019	9/27/2019	11/22/2019	2/21/2020	8/21/2020	11/17/2020	2/26/2021	4/26/2017	8/1/2017	11/15/2017	2/6/2018	5/15/2018	8/7/2018	11/1/2018	3/2/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	8/15/2020	11/14/2020	2/13/2021
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/L	790	< 1.0	0.33 J	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	0.28 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
Total Xylenes	µg/L	280	< 2.0	< 2.0	< 2.0 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	2.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Gases																																
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-18 13-18														MW-19 15-20													
				4/21/2017	7/28/2017	11/10/2017	2/14/2018	5/8/2018	8/7/2018	10/29/2018	2/26/2019	6/10/2019	9/25/2019	11/12/2019	2/10/2020	8/24/2020	11/11/2020	2/19/2021	11/14/2017	2/14/2018	5/14/2018	8/10/2018	10/26/2018	2/28/2019	6/12/2019	9/24/2019	11/20/2019	2/20/2020	8/18/2020	11/13/2020	2/9/2021
Methyl-tert-butyl ether		µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Naphthalene		µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA
Styrene (Monomer)		µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Tetrachloroethene		µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene		µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes		µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene		µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,3-Dichloropropene		µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene		µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	1.0	0.91 J	1.0	0.97 J	0.66 J	0.60 J	0.54 J	0.70 J	0.62 J	0.84 J	0.80 J	0.85 J	
Vinyl chloride		µg/L	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.8	1.5	1.3	< 1.0	1.6	1.9	0.73 J	1.2	1.4	1.1	1.2	1.7	0.99 J	
Gases																															
Ethane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																															
Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N		mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate		mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																															
Iron, Dissolved		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-20 13.5-18.5											MW-21 13.5-18.5											
				7/31/2017	11/10/2017	2/12/2018	5/11/2018	8/9/2018	10/29/2018	2/26/2019	6/12/2019	9/26/2019	11/12/2019	11/10/2020	2/18/2021	2/13/2018	5/15/2018	8/14/2018	10/26/2018	2/26/2019	6/13/2019	9/25/2019	11/13/2019	2/14/2020	11/11/2020	2/18/2021
Methyl-tert-butyl ether		µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	< 1,000	< 1,000 J	< 1,000	< 1,700	< 2,500 J	NA	NA	NA	NA	NA	NA
Naphthalene		µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)		µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	NA	NA	NA	NA
Tetrachloroethene		µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	< 710	< 500	< 100	< 500	< 500	< 500	
Toluene		µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	NA	NA	NA	NA
Total Xylenes		µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	< 2,000	< 2,000	< 2,000	< 3,300	< 5,000	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene		µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1,000	< 1,000	190 J	< 1,700	< 2,500	< 710	< 500	120	< 500	130 J	< 500	
trans-1,3-Dichloropropene		µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	NA	NA	NA	NA
Trichloroethene		µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	460 J	< 1,000	< 1,000	1,900	570 J	< 710	190 J	62 J	250 J	180 J	110 J
Vinyl chloride		µg/L	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5,400	3,700	3,400	7,800	5,600	2,400	3,000	6,600	2,500	5,500	5,400
Gases																										
Ethane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																										
Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N		mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate		mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																										
Iron, Dissolved		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-22															MW-23														
				16.5-21.5															15-20														
				4/25/2017	8/2/2017	11/7/2017	2/6/2018	5/10/2018	8/6/2018	10/30/2018	2/25/2019	6/10/2019	9/19/2019	11/12/2019	2/10/2020	5/26/2020	8/4/2020	11/2/2020	2/10/2021	8/3/2017	11/7/2017	2/6/2018	5/7/2018	8/6/2018	10/30/2018	6/10/2019	9/24/2019	11/11/2019	2/7/2020	5/27/2020	8/4/2020	11/2/2020	2/10/2021
Methyl-tert-butyl ether	µg/L	40	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	NA	NA	NA	NA	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	NA	NA	NA	NA	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	< 200	< 1.0	< 2.0	< 67	< 67	< 67	< 2.5	< 100	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	< 1,000	< 2,500	< 50	< 200	< 330	< 330	< 830	< 2000	
Toluene	µg/L	790	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	NA	NA	NA	NA	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	< 130	< 200	< 100	< 290	< 130	< 100	< 200	< 100	NA	NA	NA	NA	NA	NA	NA	NA	< 2,000	< 4,000	< 2,000	< 200	< 5,000	< 5,000	NA	NA	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	µg/L	100	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	< 200	2.5	1.6 J	< 67	< 67	< 67	0.96 J	< 100	1,200	4,100	1,800	180	2,300 J	3,000	1,000	1,600 J	500	200	430	420	560 J	1,700 J	
trans-1,3-Dichloropropene	µg/L	NS	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	NA	NA	NA	NA	NA	NA	NA	NA	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	< 200	0.25 J	< 2.0	< 67	< 67	< 67	< 2.5	< 100	5,300	25,000	11,000	1,000	12,000	18,000	7,000	11,000	2,800	1,300	1,400	2,600	12,000		
Vinyl chloride	µg/L	2.0	2,300	2,100	1,600	1,500	2,400	1,300	2,600 J	1,700	2,600	830	860	1,300	2,600	1,000	1,700	1,200	1,100	2,400	820 J	77 J	< 2,500	1,600 J	670 J	1,600 J	380	< 200	550	220 J	510 J	< 2,000	
Gases																																	
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																	
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																	
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-24															MW-25														
			19-24															16-21														
			4/26/2017	8/2/2017	11/10/2017	2/14/2018	5/14/2018	8/14/2018	10/29/2018	3/1/2019	6/11/2019	9/23/2019	11/22/2019	2/10/2020	8/13/2020	11/16/2020	2/11/2021	4/21/2017	8/2/2017	11/14/2017	2/13/2018	5/9/2018	8/13/2018	10/29/2018	2/27/2019	6/10/2019	9/25/2019	11/15/2019	2/6/2020	8/13/2020	11/9/2020	3/1/2021
Methyl-tert-butyl ether	µg/L	40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Toluene	µg/L	790	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
trans-1,3-Dichloropropene	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Vinyl chloride	µg/L	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Gases																																
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-26											MW-28													
				4.5-14.5											2-12													
				8/4/2017	11/14/2017	5/15/2018	8/9/2018	10/26/2018	2/28/2019	6/13/2019	9/25/2019	11/15/2019	2/18/2020	8/25/2020	11/12/2020	8/3/2017	11/8/2017	2/7/2018	5/15/2018	8/13/2018	10/31/2018	2/26/2019	6/11/2019	9/24/2019	11/14/2019	2/10/2020	8/20/2020	11/11/2020
Methyl-tert-butyl ether		µg/L	40	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA
Naphthalene		µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)		µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA
Tetrachloroethene		µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.22 J	< 2.0	< 1.0	0.16 J	0.27 J	< 1.0	< 5.0	< 1.0	0.30 J
Toluene		µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA
Total Xylenes		µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	< 2.0	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene		µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA
Trichloroethene		µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.68 J	0.59 J	0.45 J	0.51 J	0.66 J	0.70 J	0.30 J	0.43 J	0.64 J	< 1.0	< 5.0	0.51 J	0.36 J
Vinyl chloride		µg/L	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	0.33 J	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
Gases																												
Ethane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																												
Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N		mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate		mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																												
Iron, Dissolved		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-29														MW-30																	
				5-15														19-24																	
				4/26/2017	8/4/2017	11/14/2017	2/14/2018	5/14/2018	8/9/2018	10/26/2018	2/28/2019	6/12/2019	9/25/2019	11/20/2019	2/21/2020	8/18/2020	11/12/2020	2/9/2021	4/25/2017	7/27/2017	11/9/2017	2/13/2018	5/8/2018	8/10/2018	11/1/2018	3/2/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021	
Methyl-tert-butyl ether	µg/L	40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	µg/L	790	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	µg/L	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.20 J	<1.0	<1.0	<1.0	0.20 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Gases																																			
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	0.31 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.50	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65	NA	360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																			
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.6	NA	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52	NA	53	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1	NA	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																			
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	NA	3,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	630	NA	3,700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	77	NA	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70	NA	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-31																MW-32															
			17-22																18-23															
			4/21/2017	7/28/2017	11/10/2017	2/14/2018	5/8/2018	8/10/2018	11/1/2018	3/2/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021	7/28/2017	11/7/2017	2/12/2018	5/8/2018	8/7/2018	11/7/2018	2/28/2019	6/11/2019	9/24/2019	11/14/2019	2/10/2020	8/17/2020	11/11/2020	2/18/2021		
Methyl-tert-butyl ether	µg/L	40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA		
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Styrene (Monomer)	µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA		
Tetrachloroethene	µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
Toluene	µg/L	790	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA			
Total Xylenes	µg/L	280	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA		
trans-1,2-Dichloroethene	µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
trans-1,3-Dichloropropene	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA		
Trichloroethene	µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			
Vinyl chloride	µg/L	2.0	<1.0	0.68 J	0.84 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 UB	<1.0	<1.0	<1.0	0.38 J	0.39 J	0.35 J	0.43 J	0.70 J	<1.0	<1.0	0.29 J	<1.0		
Gases																																		
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Other																																		
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Metals																																		
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-33 14-19													MW-34 16.5-21.5																
				7/28/2017	11/8/2017	2/14/2018	5/8/2018	8/9/2018	11/2/2018	2/27/2019	6/11/2019	9/25/2019	11/8/2019	2/7/2020	8/14/2020	11/18/2020	2/17/2021	4/24/2017	7/27/2017	11/9/2017	2/13/2018	5/8/2018	8/10/2018	11/1/2018	3/2/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021
Methyl-tert-butyl ether		µg/L	40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene		µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)		µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene		µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene		µg/L	790	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes		µg/L	280	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene		µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene		µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene		µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl chloride		µg/L	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.52 J	1.5	2.0	0.97 J	0.87 J	1.1	1.2	0.85 J	0.89 J	2.2	1.8	0.53 J	0.76 J	1.4	1.8	0.78 J	0.78 J
Gases																																	
Ethane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																	
Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N		mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate		mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																	
Iron, Dissolved		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-35														MW-36													
				19.5-24.5														20-25													
				7/27/2017	11/7/2017	2/14/2018	5/9/2018	8/10/2018	11/1/2018	3/2/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021	7/28/2017	11/10/2017	2/15/2018	5/14/2018	8/14/2018	10/29/2018	3/1/2019	6/11/2019	9/25/2019	11/21/2019	2/7/2020	8/13/2020	11/16/2020
Semi-volatile Organic Compounds (SVOCs)																															
1,4-Dioxane	µg/L	350	4.9	4.6	4.3	4.7	4.3	4.5	5.8	5.2	5.0	2.8	4.5	3.3	4.4	4.4	3.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0 J
Volatile Organic Compounds (VOCs)																															
1,1,1-Trichloroethane	µg/L	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	µg/L	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	µg/L	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,3-Trimethylbenzene	µg/L	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.26 J	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	µg/L	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	µg/L	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	µg/L	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	µg/L	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	µg/L	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	µg/L	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	µg/L	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	µg/L	38,000	< 10	< 10	< 10	< 10	1.7 J	< 10	< 10 J	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	µg/L	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 10	< 10	< 10	< 10	0.89 J	< 10	< 10 J	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA
Acetone	µg/L	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA
Benzene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
Bromodichloromethane	µg/L	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
Bromoform	µg/L	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA
Bromomethane	µg/L	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA
Carbon Disulfide	µg/L	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0.32 J	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	µg/L	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	µg/L	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
Chlorobenzene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	µg/L	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
Chloroethane	µg/L	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA
Chloroform	µg/L	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
Chloromethane	µg/L	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	< 1.0
cis-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
Cyclohexane	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
Dichloromethane	µg/L	5.0	< 5.0	< 5.0	< 5.0	< 5.0																									

Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-35															MW-36														
			19.5-24.5															20-25														
			7/27/2017	11/7/2017	2/14/2018	5/9/2018	8/10/2018	11/1/2018	3/2/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021	7/28/2017	11/10/2017	2/15/2018	5/14/2018	8/14/2018	10/29/2018	3/1/2019	6/11/2019	9/25/2019	11/21/2019	2/7/2020	8/13/2020	11/16/2020	2/12/2021	
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	J	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	J	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene	µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.14	J	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.19	J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.11	J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	2.0	3.5	2.4	4.5	7.2	3.0	1.8	4.1	6.7	2.6	3.2	4.0	9.1	4.9	1.9	1.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Gases																																
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-37														MW-38															
			18-23														15-20															
			8/1/2017	11/10/2017	2/12/2018	5/10/2018	8/9/2018	10/31/2018	2/27/2019	6/12/2019	9/25/2019	11/14/2019	2/6/2020	8/14/2020	11/16/2020	2/17/2021	4/26/2017	7/28/2017	11/8/2017	2/15/2018	5/8/2018	8/9/2018	11/1/2018	2/27/2019	6/11/2019	9/25/2019	11/8/2019	2/6/2020	8/14/2020	11/12/2020	2/17/2021	
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene	µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Gases																																
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-39														MW-40																
				20-25														20-25																
				4/28/2017	7/28/2017	11/7/2017	2/15/2018	5/8/2018	8/7/2018	11/1/2018	2/28/2019	6/11/2019	9/24/2019	11/8/2019	2/10/2020	8/24/2020	11/11/2020	2/18/2021	7/28/2017	11/15/2017	5/8/2018	8/10/2018	11/1/2018	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021			
Semi-volatile Organic Compounds (SVOCs)																																		
1,4-Dioxane	µg/L	350		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0				
Volatile Organic Compounds (VOCs)																																		
1,1,1-Trichloroethane	µg/L	200		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,1,2,2-Tetrachloroethane	µg/L	35		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,1,2-Trichloroethane	µg/L	5.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,1-Dichloroethane	µg/L	2,500		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,1-Dichloroethene	µg/L	7.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0					
1,2,3-Trimethylbenzene	µg/L	NS		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA				
1,2,4-Trichlorobenzene	µg/L	70		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,2,4-Trimethylbenzene	µg/L	63		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,2-Dibromo-3-chloropropane	µg/L	0.2		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,2-Dibromoethane	µg/L	0.05		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,2-Dichlorobenzene	µg/L	600		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,2-Dichloroethane	µg/L	5.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,2-Dichloropropane	µg/L	5.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,3,5-Trimethylbenzene	µg/L	72		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,3-Dichlorobenzene	µg/L	19		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
1,4-Dichlorobenzene	µg/L	75		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
2-Butanone (MEK)	µg/L	38,000		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA				
2-Methylnaphthalene	µg/L	750		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA				
Acetone	µg/L	2,100		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA				
Benzene	µg/L	5.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
Bromodichloromethane	µg/L	80		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
Bromoform	µg/L	80		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
Bromomethane	µg/L	29		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
Carbon Disulfide	µg/L	2,300		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA				
Carbon Tetrachloride	µg/L	5.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
Trichlorofluoromethane (CFC-11)	µg/L	7,300		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
Dichlorodifluoromethane (CFC-12)	µg/L	4,800		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
Chlorobenzene	µg/L	100		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
Chlorodibromomethane	µg/L	80		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
Chloroethane	µg/L	1,700		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
Chloroform	µg/L	80		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
Chloromethane	µg/L	1,100		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
cis-1,2-Dichloroethene	µg/L	70		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.7	3.2	2.3 J	2.4	2.6	2.2	2.8	3.2	2.5	2.6	3.3	3.3	2.6				
cis-1,3-Dichloropropene	µg/L	NS		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
Cyclohexane	µg/L	NS		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA				
Dichloromethane	µg/L	5.0		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA				
Diethyl ether	µg/L	10		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA				
Ethylbenzene	µg/L	74		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1											

Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-39														MW-40														
				20-25														20-25														
				4/28/2017	7/28/2017	11/7/2017	2/15/2018	5/8/2018	8/7/2018	11/1/2018	2/28/2019	6/11/2019	9/24/2019	11/8/2019	2/10/2020	8/24/2020	11/11/2020	2/18/2021	7/28/2017	11/15/2017	5/8/2018	8/10/2018	11/1/2018	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021	
Methyl-tert-butyl ether		µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Naphthalene		µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)		µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Tetrachloroethene		µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene		µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes		µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene		µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.41 J	0.48 J	0.34 J	0.37 J	0.39 J	0.37 J	0.43 J	0.46 J	0.30 J	0.36 J	0.49 J	0.30 J	0.35 J	
trans-1,3-Dichloropropene		µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene		µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Vinyl chloride		µg/L	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.77 J	1.8	1.3 J	0.54 J	1.4	0.26 J	0.90 J	0.70 J	0.28 J	0.31 J	0.52 J	1.6	< 1.0	
Gases																																
Ethane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																
Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N		mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate		mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																
Iron, Dissolved		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Unit	EGLE Non-Residential Drinking Water Criteria	MW-41																	MW-42																
			16-21																	16-21																
			4/24/2017	7/27/2017	11/9/2017	2/13/2018	5/8/2018	8/10/2018	11/1/2018	3/2/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021	4/24/2017	7/27/2017	11/9/2017	2/13/2018	5/9/2018	8/10/2018	11/1/2018	3/2/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021		
Semi-volatile Organic Compounds (SVOCs)																																				
1,4-Dioxane	µg/L	350	1.9 J	1.4 J	2.2	0.77 J	0.75 J	1.6 J	1.9 J	1.4 J	1.3 J	1.2 J	1.5 J	1.7 J	<2.0	3.8	4.9	1.3 J	1.3 J	1.8 J	2.4	1.8 J	2.2	2.3	2.6	3.1	2.5	3.0	2.4	3.0	2.9	2.0	1.5 J	0.96 J		
Volatile Organic Compounds (VOCs)																																				
1,1,1-Trichloroethane	µg/L	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
1,1,2,2-Tetrachloroethane	µg/L	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	NA		
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
1,1,2-Trichloroethane	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
1,1-Dichloroethane	µg/L	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.21 J	< 1.0	0.20 J	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
1,2,3-Trimethylbenzene	µg/L	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA		
1,2,4-Trichlorobenzene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
1,2,4-Trimethylbenzene	µg/L	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
1,2-Dibromo-3-chloropropane	µg/L	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA		
1,2-Dibromoethane	µg/L	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA		
1,2-Dichlorobenzene	µg/L	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
1,2-Dichloroethane	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
1,2-Dichloropropane	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
1,3,5-Trimethylbenzene	µg/L	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
1,3-Dichlorobenzene	µg/L	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
1,4-Dichlorobenzene	µg/L	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
2-Butanone (MEK)	µg/L	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
2-Methylnaphthalene	µg/L	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA		
Acetone	µg/L	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA		
Benzene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
Bromodichloromethane	µg/L	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
Bromoform	µg/L	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA		
Bromomethane	µg/L	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA		
Carbon Disulfide	µg/L	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA		
Carbon Tetrachloride	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
Trichlorofluoromethane (CFC-11)	µg/L	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
Dichlorodifluoromethane (CFC-12)	µg/L	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	<														

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-41															MW-42																
				16-21															16-21																
				4/24/2017	7/27/2017	11/9/2017	2/13/2018	5/8/2018	8/10/2018	11/1/2018	3/2/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021	4/24/2017	7/27/2017	11/9/2017	2/13/2018	5/9/2018	8/10/2018	11/1/2018	3/2/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	J	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	J	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene	µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.34 J	0.35 J	0.42 J	< 1.0	0.24 J	0.37 J	0.25 J	0.19 J	< 1.0	< 1.0	0.24 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.13 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	2.0	3.2	1.9	2.4	2.1	5.3	3.0	2.0	3.2	1.9	1.5	2.7	1.5	2.0	2.3	1.2	2.0	0.81 J	0.99 J	1.0	0.81 J	0.99 J	0.60 J	0.60 J	0.70 J	0.67 J	0.92 J	1.1	0.70 J	0.93 J	0.60 J	0.86 J	0.59 J	
Gases																																			
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																			
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																			
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-43															MW-44															
				17-22															16-21															
				4/27/2017	7/27/2017	11/9/2017	2/13/2018	5/9/2018	8/10/2018	11/1/2018	3/2/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/22/2020	11/14/2020	2/13/2021	4/25/2017	8/2/2017	11/7/2017	2/6/2018	5/14/2018	8/13/2018	10/30/2018	2/25/2019	6/11/2019	9/19/2019	11/12/2019	2/6/2020	5/27/2020	8/4/2020	11/2/2020
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	J	NA	NA	NA	NA	NA	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	< 20	< 1.0	< 1.0	< 10	< 10	< 10	< 1.0	< 10
Toluene	µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	< 13	< 20	< 40	< 13	< 27	< 40	< 40	< 40	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	< 20	< 1.0	< 1.0	< 10	< 10	< 10	< 1.0	< 10
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	< 20	< 1.0	< 1.0	< 10	< 10	< 10	< 1.0	< 10
Vinyl chloride	µg/L	2.0	8.4	3.0	2.2	8.0	6.4 J	1.0	0.71 J	3.4	1.5	< 1.0	0.33 J	< 1.0	0.28 J	< 5.0	< 1.0	< 1.0	230	380	520	210	270	240	240	180	180	270	340	260 J	290	160	190	200
Gases																																		
Ethane	µg/L	NS	0.48 J	NA	0.74 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	< 0.50	NA	0.27 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	190	NA	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																		
Carbon	mg/L	NS	4.4	NA	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/L	10	< 0.50	NA	< 0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	220	NA	260	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	4.0	NA	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																		
Iron, Dissolved	µg/L	300	1,700	NA	2,800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/L	300	2,500	NA	3,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	210	NA	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/L	50	210	NA	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-45															MW-46																
				15-20															16-21																
				4/24/2017	8/1/2017	11/13/2017	2/12/2018	5/8/2018	8/9/2018	11/2/2018	2/26/2019	6/11/2019	9/27/2019	11/8/2019	2/12/2020	5/26/2020	8/7/2020	11/4/2020	2/12/2021	4/24/2017	7/31/2017	11/13/2017	2/12/2018	5/14/2018	8/9/2018	11/2/2018	2/26/2019	6/11/2019	9/25/2019	11/7/2019	2/12/2020	5/22/2020	8/10/2020	11/3/2020	2/18/2021
Semi-volatile Organic Compounds (SVOCs)																																			
1,4-Dioxane	µg/L	350		4.1	2.5	< 2.0	< 2.0	0.40 J	1.0 J	1.1 J	< 2.0	0.94 J	< 2.0	0.45 J	< 2.0	< 2.0	1.3 J	< 2.0	< 2.0	21	< 2.0 UB	3.7	11	13	8.5	7.0	3.0	11	4.8	7.7	2.7	3.4	4.1	1.7 J	< 2.0
Volatile Organic Compounds (VOCs)																																			
1,1,1-Trichloroethane	µg/L	200	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	µg/L	35	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17 J	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	µg/L	5.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	µg/L	2,500	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	1.9 J	2.8	3.6	2.4	1.0 J	1.3	0.80 J	0.32 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	µg/L	7.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	< 25	< 25	0.37 J	< 25	< 25	< 100	< 10	< 50	< 5.0	0.78 J	0.90 J	0.46 J	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	< 3.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/L	NS	< 2,500	< 2,500	< 330	< 500	< 330	< 170	< 50	< 83	NA	NA	NA	NA	NA	NA	NA	NA	< 25	< 5.0	< 13	< 5.0	< 8.4	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	µg/L	70	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	µg/L	63	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	µg/L	0.2	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17 J	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	µg/L	0.05	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17 J	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	µg/L	600	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	µg/L	5.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	0.55 J	< 1.7	0.57 J	0.21 J	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	µg/L	5.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	µg/L	72	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	µg/L	19	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	0.21 J	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	µg/L	75	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	µg/L	38,000	< 5,000	< 5,000	< 670	< 1,000	< 670	< 330	< 100	< 170 J	NA	NA	NA	NA	NA	NA	NA	NA	< 50	< 10	< 25	< 10	< 17	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	µg/L	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 5,000	< 5,000	< 670	< 1,000	< 670	< 330	< 100	< 170 J	NA	NA	NA	NA	NA	NA	NA	NA	< 50	< 10	< 25	< 10	< 17	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	µg/L	2,100	< 5,000	< 5,000	< 670	< 1,000	< 670	< 330	< 100	< 170	NA	NA	NA	NA	NA	NA	NA	NA	< 50	< 10	< 25	< 10	< 17	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	µg/L	5.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	µg/L	80	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	µg/L	80	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17 J	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	µg/L	29	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	µg/L	2,300	< 2,500	< 2,500	< 330	< 500	< 330	< 170	< 50	< 83	NA	NA	NA	NA	NA	NA	NA	NA	< 25	< 5.0	< 13	< 5.0	< 8.4	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	µg/L	5.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	µg/L	7,300	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	µg/L	4,800	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	µg/L	100	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	µg/L	80	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17 J	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	µg/L	1,700	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	µg/L	80	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	µg/L	1,100	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA																					

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-45															MW-46																
				15-20															16-21																
				4/24/2017	8/1/2017	11/13/2017	2/12/2018	5/8/2018	8/9/2018	11/2/2018	2/26/2019	6/11/2019	9/27/2019	11/8/2019	2/12/2020	5/26/2020	8/7/2020	11/4/2020	2/12/2021	4/24/2017	7/31/2017	11/13/2017	2/12/2018	5/14/2018	8/9/2018	11/2/2018	2/26/2019	6/11/2019	9/25/2019	11/7/2019	2/12/2020	5/22/2020	8/10/2020	11/3/2020	2/18/2021
Methyl-tert-butyl ether	µg/L	40	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	7.9	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	< 25	< 25	< 1.0	< 25	< 25	< 100	< 10	< 50	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 3.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/L	790	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	µg/L	280	< 1,000	< 1,000	< 130	< 200	< 130	< 67	< 20	< 33	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 2.0	< 5.0	< 2.0	< 3.3	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	< 500	< 500	< 67	< 100	< 67	< 33	6.5 J	< 17	< 25	< 25	0.60 J	< 25	< 25	< 100	< 10	< 50	1.6 J	2.6	2.7	1.7	0.86 J	1.2	0.56 J	0.20 J	< 3.3	0.53 J	0.91 J	0.41 J	0.31 J	0.64 J	0.73 J	0.64 J	
trans-1,3-Dichloropropene	µg/L	NS	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	< 500	< 500	< 67	< 100	< 67	< 33	2.7 J	< 17	< 25	< 25	< 1.0	< 25	< 25	< 100	< 10	< 50	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 3.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	2.0	7,600	5,400	1,500	1,200	1,400	800	420	380	540	310	210	640	450	1,400	500	1,100	150	13	57	38	30	66	32	17	87	20	32	17	47	40	21	14	
Gases																																			
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																			
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																			
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-47														MW-48																	
				16-21														17-22																	
				4/24/2017	7/31/2017	11/10/2017	5/10/2018	8/9/2018	10/25/2018	2/28/2019	6/12/2019	9/25/2019	11/6/2019	2/7/2020	5/21/2020	8/10/2020	11/3/2020	2/18/2021	4/21/2017	8/1/2017	11/14/2017	2/12/2018	5/15/2018	8/6/2018	8/6/2018	10/25/2018	3/4/2019	6/13/2019	9/20/2019	11/6/2019	2/11/2020	5/26/2020	8/6/2020	10/30/2020	2/15/2021
Methyl-tert-butyl ether	µg/L	40	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	NA	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	< 4.0	< 1.0	< 1.0	< 2.5	< 2.0	< 4.0	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene	µg/L	790	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	< 10	< 8.0	< 20	< 10 J	< 3.3	< 10	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	µg/L	100	7.1	8.6	9.3 J	6.5 J	7.2	7.1	5.4	5.3	5.6	5.2	4.5	3.7	3.4 J	2.6 J	2.3 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,3-Dichloropropene	µg/L	NS	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	< 4.0	< 1.0	< 1.0	< 2.5	< 2.0	< 4.0	< 4.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	2.0	120	110	220	88 J	59	100	44	120	94	96	74	85	100	130 J	110	0.85 J	11	5.2	3.8	7.4	5.3	NA	6.6	0.24 J	< 1.0	1.6	0.57 J	< 1.0	1.8	2.8	0.27 J	1.7	
Gases																																			
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																			
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																			
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-49																MW-50															
				12.5-17.5																16-21															
				4/21/2017	7/28/2017	2/13/2018	5/11/2018	8/14/2018	10/30/2018	2/27/2019	6/11/2019	9/27/2019	11/13/2019	2/13/2020	5/27/2020	8/5/2020	11/11/2020	2/19/2021	4/21/2017	7/31/2017	11/13/2017	2/12/2018	5/9/2018	8/6/2018	10/24/2018	2/27/2019	6/12/2019	9/20/2019	11/5/2019	2/11/2020	5/26/2020	8/6/2020	11/2/2020	2/11/2021	
Semi-volatile Organic Compounds (SVOCs)																																			
1,4-Dioxane		µg/L	350	12	9.4	7.0	5.5	5.0	5.4	8.1	6.1	8.9	15	7.3	5.8	4.7	58	60	1.5 J	2.2	0.68 J	0.78 J	2.8	1.7 J	2.8	3.6	3.3	3.1	2.0	1.7 J	2.9	2.5	1.9 J	1.3 J	
Volatile Organic Compounds (VOCs)																																			
1,1,1-Trichloroethane		µg/L	200	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane		µg/L	35	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500 J	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane		µg/L	170,000	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane		µg/L	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane		µg/L	2,500	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	0.48 J	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene		µg/L	7.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	< 710	< 2,500	48 J	< 1,000	< 1,000	< 1,000	< 1,000	< 500	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	0.26 J	< 5.0	< 6.7	< 1.0	< 1.0	< 1.0	< 5.0	< 10	< 10	< 3.3	< 10	
1,2,3-Trimethylbenzene		µg/L	NS	< 10,000	< 5,000	< 8,300	< 8,300	< 2,500	< 5,000	< 13,000	NA	NA	NA	NA	NA	NA	NA	NA	< 25	< 20	< 25	< 25	< 25	< 5.0	< 25	< 33	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene		µg/L	70	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene		µg/L	63	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane		µg/L	0.2	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500 J	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane		µg/L	0.05	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500 J	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene		µg/L	600	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane		µg/L	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane		µg/L	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene		µg/L	72	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene		µg/L	19	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene		µg/L	75	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
2-Butanone (MEK)		µg/L	38,000	< 20,000	< 10,000	< 17,000	< 17,000	< 5,000	< 10,000	< 25,000 J	NA	NA	NA	NA	NA	NA	NA	NA	< 50	< 40	< 50	< 50	< 50	< 10	< 50	< 67	NA	NA	NA	NA	NA	NA	NA	NA	
2-Methylnaphthalene		µg/L	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
4-Methyl-2-Pentanone (MIBK)		µg/L	5,200	< 20,000	< 10,000	< 17,000	< 17,000	< 5,000	< 10,000	< 25,000 J	NA	NA	NA	NA	NA	NA	NA	NA	< 50	< 40	< 50	< 50	< 50	< 10	< 50	< 67	NA	NA	NA	NA	NA	NA	NA	NA	
Acetone		µg/L	2,100	< 20,000	< 10,000	< 17,000	< 17,000 UE	< 5,000	< 10,000	< 25,000	NA	NA	NA	NA	NA	NA	NA	NA	< 50	< 40	< 50	< 50	< 50	< 10	< 50	< 67	NA	NA	NA	NA	NA	NA	NA	NA	
Benzene		µg/L	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
Bromodichloromethane		µg/L	80	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
Bromoform		µg/L	80	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500 J	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
Bromomethane		µg/L	29	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
Carbon Disulfide		µg/L	2,300	< 10,000	< 5,000	< 8,300	< 8,300	< 2,500	< 5,000	< 13,000	NA	NA	NA	NA	NA	NA	NA	NA	< 25	< 20	< 25	< 25	< 25	< 5.0	< 25	< 33	NA	NA	NA	NA	NA	NA	NA	NA	
Carbon Tetrachloride		µg/L	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane (CFC-11)		µg/L	7,300	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane (CFC-12)		µg/L	4,800	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	<									

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-49 12.5-17.5															MW-50 16-21																
			4/21/2017	7/28/2017	2/13/2018	5/11/2018	8/14/2018	10/30/2018	2/27/2019	6/11/2019	9/27/2019	11/13/2019	2/13/2020	5/27/2020	8/5/2020	11/11/2020	2/19/2021	4/21/2017	7/31/2017	11/13/2017	2/12/2018	5/9/2018	8/6/2018	10/24/2018	2/27/2019	6/12/2019	9/20/2019	11/5/2019	2/11/2020	5/26/2020	8/6/2020	11/2/2020	2/11/2021	
Methyl-tert-butyl ether	µg/L	40	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	< 710	< 2,500	< 50	< 1,000	< 1,000	< 1,000	< 1,000	< 500	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	< 1.0	< 1.0	< 1.0	< 5.0	< 10	< 10	< 3.3	< 10	
Toluene	µg/L	790	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	< 4,000	< 2,000	< 3,300	< 3,300	< 1,000	< 2,000	< 5,000	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 8.0	< 10	< 10	< 10	< 2.0	< 10	< 13	NA	NA	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	µg/L	100	< 2,000	< 1,000	< 1,700	< 1,700	110 J	< 1,000	< 2,500	< 710	< 2,500	150	< 1,000	< 1,000	< 1,000	< 1,000	210 J	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	0.31 J	< 5.0	< 6.7	0.31 J	< 1.0	0.25 J	< 5.0	< 10	< 10	< 3.3	< 10	
trans-1,3-Dichloropropene	µg/L	NS	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	< 710	< 2,500	< 50	< 1,000	< 1,000	< 1,000	< 1,000	< 500	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	< 1.0	< 1.0	< 1.0	< 5.0	< 10	< 10	< 3.3	< 10	
Vinyl chloride	µg/L	2.0	10,000	9,800	8,400	8,100	4,900	8,400	9,100	7,100	8,100	7,800	7,000	15,000	3,700	8,000	12,000	48	140	150	76	150	97	99	170	200	120	120	120	110	180	240	57	160
Gases																																		
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																		
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																		
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-51														MW-52																
				15-20														15-20																
				4/25/2017	8/3/2017	11/9/2017	2/8/2018	5/14/2018	8/6/2018	10/30/2018	3/1/2019	6/12/2019	9/24/2019	11/15/2019	2/4/2020	8/5/2020	11/5/2020	2/9/2021	7/27/2017	11/10/2017	2/13/2018	5/9/2018	8/10/2018	10/31/2018	3/2/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/22/2020	11/14/2020	2/13/2021	
Semi-volatile Organic Compounds (SVOCs)																																		
1,4-Dioxane	µg/L	350		0.75 J	< 2.0 UB	1.1 J	1.1 J	0.49 J	1.6 J	2.5	1.5 J	2.2	3.2	2.1	1.9 J	1.6 J	2.6	1.5 J	1.3 J	0.68 J	1.2 J	0.30 J	1.8 J	2.7	1.9 J	1.2 J	1.1 J	0.64 J	1.5 J	< 2.0	1.4 J	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																																		
1,1,1-Trichloroethane	µg/L	200		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	µg/L	35		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	µg/L	5.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	µg/L	2,500		0.41 J	0.72 J	0.70 J	0.84 J	0.45 J	0.77 J	1.0	0.57 J	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	µg/L	7.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		
1,2,3-Trimethylbenzene	µg/L	NS		< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	µg/L	70		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	µg/L	63		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	µg/L	0.2		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane	µg/L	0.05		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	µg/L	600		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	µg/L	5.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	0.24 J	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	µg/L	5.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	µg/L	72		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	µg/L	19		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.40 J	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.18 J	< 1.0	NA	NA	NA	NA	NA	NA	NA		
1,4-Dichlorobenzene	µg/L	75		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
2-Butanone (MEK)	µg/L	38,000		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	
2-Methylnaphthalene	µg/L	750		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	
Acetone	µg/L	2,100		< 10	< 10	< 10	< 10	< 10 UB	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	2.2 J	< 10	< 10	< 10 UB	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	NA	NA	
Benzene	µg/L	5.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	µg/L	80		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Bromoform	µg/L	80		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	
Bromomethane	µg/L	29		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Carbon Disulfide	µg/L	2,300		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	
Carbon Tetrachloride	µg/L	5.0		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane (CFC-11)	µg/L	7,300		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane (CFC-12)	µg/L	4,800		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Chlorobenzene	µg/L	100		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Chlorodibromomethane	µg/L	80		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Chloroethane	µg/L	1,700		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Chloroform	µg/L	80		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Chloromethane	µg/L	1,100		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	µg/L	70		< 1.0	< 1.0	< 1.0	0.31 J	< 1.0	0.37 J	0.33 J	0.22 J	0.16 J	< 1.0	0.36 J	0.19 J	< 0.60 UB	0.23 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,3-Dichloropropene	µg/L	NS		< 1.0	< 1.0	< 1.0	< 1																											

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-51															MW-52															
			15-20															15-20															
			4/25/2017	8/3/2017	11/9/2017	2/8/2018	5/14/2018	8/6/2018	10/30/2018	3/1/2019	6/12/2019	9/24/2019	11/15/2019	2/4/2020	8/5/2020	11/5/2020	2/9/2021	7/27/2017	11/10/2017	2/13/2018	5/9/2018	8/10/2018	10/31/2018	3/2/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	5/30/2020	8/22/2020	11/14/2020	2/13/2021	
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	
Toluene	µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	2.0	0.57 J	0.97 J	0.47 J	< 1.0	0.70 J	0.40 J	0.39 J	0.29 J	0.36 J	0.28 J	0.61 J	< 1.0	< 1.0	0.38 J	< 1.0	7.0	9.1	4.0	4.3	4.5	5.0	3.9	3.4	5.9	4.7	4.3	4.5	3.0 J	3.5	2.3	
Gases																																	
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																	
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																	
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-53																MW-54															
			16-21																16-21															
			4/24/2017	7/27/2017	11/8/2017	2/7/2018	5/9/2018	8/13/2018	10/31/2018	2/28/2019	6/10/2019	9/28/2019	11/20/2019	2/12/2020	5/21/2020	8/11/2020	11/4/2020	2/24/2021	7/27/2017	11/8/2017	2/7/2018	5/9/2018	8/13/2018	10/31/2018	6/10/2019	9/27/2019	11/19/2019	2/12/2020	5/21/2020	8/11/2020	11/5/2020	2/24/2021		
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA		
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
Toluene	µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA			
Total Xylenes	µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0 J	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA		
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 F	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA			
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
Vinyl chloride	µg/L	2.0	< 1.0	0.63 J	< 1.0	< 1.0	< 1.0	0.45 J	0.60 J	< 1.0	< 1.0	0.84 J	0.80 J	0.20 J	< 1.0	< 1.0	0.68 J	0.22 J	0.88 J	1.5	1.2	0.98 J	0.34 J	0.85 J	0.87 J	0.84 J	1.2	1.2	0.91 J	1.1	0.99 J	0.74 J		
Gases																																		
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Other																																		
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Metals																																		
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Unit	EGLE Non-Residential Drinking Water Criteria	MW-54S										MW-55														MW-55D							
			4.5-9.5										15-20														19-24							
			4/29/2019	6/10/2019	9/27/2019	11/19/2019	2/12/2020	5/21/2020	8/11/2020	11/5/2020	2/24/2021	7/27/2017	11/8/2017	2/7/2018	5/10/2018	8/13/2018	10/31/2018	2/27/2019	6/11/2019	9/25/2019	11/20/2019	2/11/2020	8/11/2020	11/6/2020	2/25/2021	6/11/2019	9/25/2019	11/20/2019	2/12/2020	8/11/2020	11/6/2020	2/25/2021		
Methyl-tert-butyl ether	µg/L	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Styrene (Monomer)	µg/L	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0			
Toluene	µg/L	790	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Total Xylenes	µg/L	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0			
trans-1,3-Dichloropropene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0			
Vinyl chloride	µg/L	2.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.84 J	0.65 J	< 1.0	0.48 J	0.39 J	0.57 J	0.54 J	0.48 J	0.58 J	0.50 J	< 5.0	< 1.0	0.31 J	< 5.0	0.34 J	< 1.0	< 1.0	0.35 J	< 1.0	< 1.0	< 5.0		
Gases																																		
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Other																																		
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Metals																																		
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

See Notes on Last Page.

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-56														MW-57															
				16-21														17-22															
				4/24/2017	7/28/2017	11/8/2017	2/14/2018	5/9/2018	8/13/2018	10/31/2018	2/27/2019	6/11/2019	9/25/2019	11/20/2019	2/11/2020	8/12/2020	11/6/2020	2/25/2021	7/27/2017	11/7/2017	2/9/2018	5/9/2018	8/6/2018	10/25/2018	2/28/2019	6/11/2019	9/27/2019	11/19/2019	2/12/2020	5/20/2020	8/12/2020	11/5/2020	2/25/2021
Semi-volatile Organic Compounds (SVOCs)																																	
1,4-Dioxane	µg/L	350		3.8	2.7	2.2	1.6 J	2.7	2.3	2.7	2.9	3.7	2.4	0.49 J	< 2.0	1.1 J	1.1 J	< 2.0	4.6	4.9	4.9	3.9	4.5	4.6	3.1	3.6	3.3	1.8 J	1.2 J	1.4 J	1.8 J	1.8 J	< 2.0
Volatile Organic Compounds (VOCs)																																	
1,1,1-Trichloroethane	µg/L	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	µg/L	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,1,2-Trichloroethane	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	µg/L	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 3.3	< 2.5	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,3-Trimethylbenzene	µg/L	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,2,4-Trimethylbenzene	µg/L	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,2-Dibromo-3-chloropropane	µg/L	0.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane	µg/L	0.05	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	µg/L	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloroethane	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,2-Dichloropropane	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,3,5-Trimethylbenzene	µg/L	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	µg/L	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.16 J	< 1.0	NA	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	µg/L	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
2-Butanone (MEK)	µg/L	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	2.7 J	NA	NA	NA	NA	NA	NA	
2-Methylnaphthalene	µg/L	750	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	
Acetone	µg/L	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	1.8 J	< 10	< 10	< 10	< 10	< 10	< 10	12	NA	NA	NA	NA	NA	NA	NA	
Benzene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	µg/L	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Bromoform	µg/L	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
Bromomethane	µg/L	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	
Carbon Disulfide	µg/L	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	
Carbon Tetrachloride	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Trichlorofluoromethane (CFC-11)	µg/L	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
Dichlorodifluoromethane (CFC-12)	µg/L	4,800	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Chlorobenzene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Chlorodibromomethane	µg/L	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
Chloroethane	µg/L	1,700	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	
Chloroform	µg/L	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Chloromethane	µg/L	1,100	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.24 J	0.43 J	0.26 J	0.27 J	0.34 J	0.86 J	< 5.0	< 3.3	0.65 J	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,3-Dichloropropene	µg/L	NS	< 1.0																														

Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-56														MW-57															
				16-21														17-22															
				4/24/2017	7/28/2017	11/8/2017	2/14/2018	5/9/2018	8/13/2018	10/31/2018	2/27/2019	6/11/2019	9/25/2019	11/20/2019	2/11/2020	8/12/2020	11/6/2020	2/25/2021	7/27/2017	11/7/2017	2/9/2018	5/9/2018	8/6/2018	10/25/2018	2/28/2019	6/11/2019	9/27/2019	11/19/2019	2/12/2020	5/20/2020	8/12/2020	11/5/2020	2/25/2021
Methyl-tert-butyl ether	µg/L	40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.11 J	0.12 J	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J	<1.0	<1.0	<1.0	<5.0	<3.3	<2.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	µg/L	790	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	µg/L	280	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<3.3	<2.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J	<1.0	<1.0	<1.0	<5.0	<3.3	<2.5	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl chloride	µg/L	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.31 J	0.38 J	<1.0	<1.0	0.21 J	<5.0	<3.3	<2.5	<5.0	<1.0	<1.0	0.59 J	0.56 J	0.39 J	0.64 J	0.88 J	0.77 J	0.90 J	0.96 J	0.60 J	0.67 J	1.3	<1.0	0.57 J
Gases																																	
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																	
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																	
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-58 15-20														MW-62 16.3-21.3																
			7/28/2017	11/8/2017	2/7/2018	5/14/2018	8/13/2018	10/31/2018	3/1/2019	6/11/2019	9/25/2019	11/14/2019	2/11/2020	8/12/2020	11/6/2020	2/25/2021	4/21/2017	7/31/2017	11/13/2017	2/6/2018	5/9/2018	8/6/2018	10/24/2018	2/27/2019	6/12/2019	9/27/2019	11/5/2019	2/11/2020	5/26/2020	8/6/2020	11/2/2020	2/11/2021	
Methyl-tert-butyl ether	µg/L	40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	µg/L	790	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<2.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Vinyl chloride	µg/L	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<2.0	<2.0	<2.0	<1.3	<1.0	1.0	1.3	1.2	0.66 J	1.0	0.73 J	0.62 J	0.65 J	1.5	1.0	1.1	0.98 J	0.77 J	0.44 J		
Gases																																	
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																	
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																	
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-65															MW-66																
				16-21															15-20																
				4/25/2017	8/2/2017	11/8/2017	2/6/2018	5/10/2018	8/8/2018	10/30/2018	2/28/2019	6/12/2019	9/18/2019	11/5/2019	2/4/2020	5/26/2020	8/3/2020	11/2/2020	2/9/2021	4/25/2017	8/2/2017	11/13/2017	2/12/2018	5/10/2018	8/8/2018	11/2/2018	3/4/2019	6/10/2019	9/19/2019	11/5/2019	2/10/2020	5/26/2020	8/3/2020	11/2/2020	2/10/2021
Methyl-tert-butyl ether		µg/L	40	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene		µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)		µg/L	100	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene		µg/L	5.0	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene		µg/L	790	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes		µg/L	280	< 4.0	< 8.0	< 4.0	< 4.0	< 4.0	< 2.0	< 4.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene		µg/L	100	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,3-Dichloropropene		µg/L	NS	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene		µg/L	5.0	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride		µg/L	2.0	61	49	48	36	41	35	48	34	41	25	45	20	34	20	17	14	5.6	5.4	3.0	2.7	2.4	3.2	1.2	3.2	1.5	< 1.0 UB	0.81 J	2.4	3.5	3.5	2.5	2.9
Gases																																			
Ethane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																			
Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N		mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate		mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																			
Iron, Dissolved		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-69														MW-70																	
				15-20														15-20																	
				4/25/2017	11/10/2017	2/14/2018	5/10/2018	8/13/2018	11/6/2018	2/28/2019	6/12/2019	9/23/2019	11/21/2019	2/3/2020	5/26/2020	8/5/2020	11/10/2020	2/12/2021	4/24/2017	8/1/2017	11/13/2017	2/12/2018	5/14/2018	8/9/2018	11/2/2018	2/26/2019	6/11/2019	9/26/2019	11/7/2019	2/7/2020	5/21/2020	8/10/2020	11/4/2020	2/12/2021	
Methyl-tert-butyl ether	µg/L	40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	J	NA	NA	NA	NA	NA	NA	<6.7	<10	<10	<13	<3.3	<13	<4.0	<10	J	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	<6.7	<10	<10	<13	<3.3	<13	<4.0	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<6.7	<10	<10	<13	<3.3	<13	<4.0	<10	<10	<5.0	<1.0	<13	<10	<10	<6.3	<25		
Toluene	µg/L	790	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	<6.7	<10	<10	<13	<3.3	<13	<4.0	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA	NA	NA	NA	<13	<20	<20	<27	<6.7	<25	<8.0	<20	NA	NA	NA	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	µg/L	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.8	4.2	5.1	4.4	3.0	3.3	4.4	3.8	2.4	2.1	3.2	<13	<10	<10	1.8	<25		
trans-1,3-Dichloropropene	µg/L	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	<6.7	<10	<10	<13	<3.3	<13	<4.0	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<6.7	<10	<10	<13	<3.3	<13	<4.0	<10	<10	<5.0	<1.0	<13	<10	<10	1.2	<25		
Vinyl chloride	µg/L	2.0	2.8	<1.0	<1.0		3.3	2.7	1.4	4.1	3.6	3.5	4.2	3.5	5.0	3.2	3.8	3.3	120	100	140	160	210	190	210	350	230	340	440	370	400	330	550	470	
Gases																																			
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																			
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																			
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-71																MW-113								MW-114				
			15-20																5-10								5-10				
			4/24/2017	8/1/2017	11/13/2017	2/12/2018	5/8/2018	8/9/2018	11/6/2018	2/27/2019	6/11/2019	9/27/2019	11/7/2019	2/12/2020	5/22/2020	8/7/2020	11/4/2020	2/12/2021	4/23/2019	6/12/2019	9/25/2019	11/15/2019	2/18/2020	8/18/2020	11/12/2020	2/9/2021	4/23/2019	6/13/2019	9/25/2019	11/15/2019	2/18/2020
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene	µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	µg/L	280	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	2.0	< 1.0	0.68 J	0.83 J	0.59 J	0.59 J	< 1.0	0.31 J	0.40 J	0.77 J	0.41 J	0.83 J	0.29 J	0.32 J	< 1.0	0.32 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Gases																															
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																															
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																															
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-120 7-12							MW-122 16-21						MW-124 5-10							MW-194 12-17					MW-194S 2-7					
				4/23/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	8/22/2020	11/14/2020	2/13/2021	9/25/2019	11/20/2019	2/13/2020	8/12/2020	11/5/2020	2/24/2021	4/23/2019	6/13/2019	9/30/2019	11/15/2019	2/20/2020	8/27/2020	11/17/2020	2/11/2021	4/11/2019	6/10/2019	8/12/2020	11/13/2020	2/17/2021	4/11/2019	6/10/2020	8/13/2020	11/13/2020
Methyl-tert-butyl ether		µg/L	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene		µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	< 1.0	NA
Styrene (Monomer)		µg/L	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene		µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		µg/L	790	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes		µg/L	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene		µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.19 J	0.26 J	0.24 J	0.27 J	0.20 J	0.30 J	0.27 J	0.25 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene		µg/L	5.0	3.7	4.3	5.9	4.8	2.8	4.5	4.2	3.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride		µg/L	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.4	2.6	2.1	1.4	2.6	2.0	0.32 J	0.40 J	< 1.0	0.19 J	0.27 J	0.41 J	0.29 J	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Gases																																		
Ethane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																		
Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N		mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate		mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																		
Iron, Dissolved		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-195S					MW-196					MW-196S					MW-197S					MW-198					MW-198S					MW-199S				
				2-7					12-17					2-7					3-8					12-17					2.5-7.5					2-7				
				11/20/2019	2/10/2020	8/13/2020	11/16/2020	2/18/2021	11/20/2019	2/11/2020	8/13/2020	11/16/2020	2/17/2021	11/20/2019	2/11/2020	8/14/2020	11/16/2020	2/17/2021	11/25/2019	2/11/2020	8/19/2020	11/18/2020	3/1/2021	11/25/2019	2/12/2020	8/19/2020	11/17/2020	2/19/2021	11/20/2019	2/12/2020	8/19/2020	11/17/2020	2/18/2021	11/25/2019	2/12/2020	8/19/2020	11/18/2020	3/1/2021
Methyl-tert-butyl ether		µg/L	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Naphthalene		µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene (Monomer)		µg/L	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetrachloroethene		µg/L	5.0	< 10	< 100	< 100	< 100	< 100	< 2.0	< 25	< 25	< 25	< 25	< 1.0	< 1.0	< 4.0	< 4.0	< 4.0	< 1.0	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene		µg/L	790	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes		µg/L	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene		µg/L	100	150	100	170	140	160	55	65	94	94	120	1.7	1.3	2.1 J	1.9 J	1.3 J	0.43 J	0.89 J	< 5.0	1.6 J	0.97 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,3-Dichloropropene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene		µg/L	5.0	3,400	2,300	3,900	2,400	3,500	490	520	490	610	470	78	39	170	34	88	14	31	92	93	58	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.43 J	0.27 J	0.69 J	0.67 J	0.46 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride		µg/L	2.0	16	< 100	< 100	< 100	< 100	< 2.0	< 25	< 25	< 25	< 25	< 1.0	< 1.0	< 4.0	< 4.0	< 4.0	2.1	2.2	< 5.0	2.5 J	1.6 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.33 J	0.32 J	< 1.0	0.23 J	0.43 J	
Gases																																						
Ethane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																						
Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N		mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate		mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																						
Iron, Dissolved		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-200 15-20					MW-200S 5-10					MW-201 17-22					MW-201S 3.5-8.5					MW-208S 9-14					MW-209S 8-13					MW-210S 8-13						
				11/21/2019	2/12/2020	8/24/2020	11/19/2020	2/26/2021	11/21/2019	2/12/2020	8/18/2020*	8/24/2020	11/19/2020	2/26/2021	11/19/2019	2/13/2020	8/20/2020	11/19/2020	2/25/2021	11/19/2019	2/10/2020	8/20/2020	11/19/2020	2/25/2021	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/13/2021	
Methyl-tert-butyl ether		µg/L	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene		µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)		µg/L	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene		µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene		µg/L	790	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes		µg/L	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene		µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	0.19 J	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.98 J	0.68 J	1.5	2.0	1.5	
trans-1,3-Dichloropropene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene		µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	0.18 J	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride		µg/L	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0	< 1.0	0.37 J	< 1.0	12	6.1	12	17	12	
Gases																																								
Ethane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																								
Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N		mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate		mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																								
Iron, Dissolved		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Table 2
On-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	PW-16-01 9.7-19.7														PW-16-02 6-21															
				8/2/2017	11/7/2017	2/7/2018	5/15/2018	8/6/2018	10/30/2018	2/26/2019	6/10/2019	9/24/2019	11/11/2019	2/7/2020	5/27/2020	8/4/2020	11/9/2020	2/10/2021	8/3/2017	11/8/2017	2/14/2018	5/11/2018	8/8/2018	10/30/2018	2/25/2019	6/11/2019	9/27/2019	11/14/2019	2/4/2020	5/27/2020	8/4/2020	11/5/2020	2/9/2021
Methyl-tert-butyl ether		µg/L	40	< 1.0	< 200	< 14	< 14 J	< 40	< 40	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene		µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)		µg/L	100	0.35 J	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene		µg/L	5.0	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	< 100	< 100	< 1.0	< 1.0	< 1.0	< 13	< 1.0	< 2.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 3.3	< 2.5	< 1.0	
Toluene		µg/L	790	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes		µg/L	280	< 2.0	< 400	< 29	< 29	< 80	< 80	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene		µg/L	100	< 1.0	< 200	5.4 J	< 14	< 40	10 J	< 1.0	< 100	< 100	3.7	< 1.0	0.39 J	< 13	< 1.0	< 2.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 3.3	0.51 J	< 1.0	
trans-1,3-Dichloropropene		µg/L	NS	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene		µg/L	5.0	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	< 100	< 100	< 1.0	< 1.0	< 1.0	< 13	< 1.0	< 2.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 3.3	< 2.5	< 1.0	
Vinyl chloride		µg/L	2.0	24	5,300	160	37 J	870	1,400	0.92 J	2,100	2,000	450	1.8	360	160	35	34	160	2.0	18	< 1.0	71	62	0.94 J	< 1.0	59	0.40 J	< 1.0	0.54 J	85	120	14
Gases																																	
Ethane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane		µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other																																	
Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate-N		mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate		mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon		mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																																	
Iron, Dissolved		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron		µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese		µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	TW-16-01														TW-16-02															
			12-17														12-17															
			8/2/2017	11/7/2017	2/7/2018	5/15/2018	8/6/2018	10/30/2018	2/26/2019	6/10/2019	9/24/2019	11/11/2019	2/7/2020	8/18/2020	11/9/2020	3/2/2021	4/25/2017	8/2/2017	11/7/2017	2/14/2018	5/11/2018	8/6/2018	10/30/2018	2/26/2019	6/10/2019	9/24/2019	11/11/2019	2/3/2020	8/18/2020	11/5/2020	3/2/2021	
Methyl-tert-butyl ether	µg/L	40	< 10	< 13	< 33	< 33 J	< 25	< 25	< 100 J	NA	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330 J	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 10	< 13	< 33	< 33	< 25	< 25	< 100	< 33	< 20	< 1.0	< 13	< 13	< 10	< 13	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	< 250	< 330	< 25	< 330	< 330	< 250	< 330	
Toluene	µg/L	790	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	< 20	< 25	< 67	< 67	< 50	< 50	< 200	NA	NA	NA	NA	NA	NA	NA	< 1,300	< 1,000	< 800	< 2,000	< 1,000	< 500	< 1,000	< 670	NA	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	µg/L	100	< 10	< 13	< 33	11 J	7.5 J	14 J	22 J	8.0 J	< 20	4.9	< 13	< 13	< 10	< 13	< 630	< 500	< 400	< 1,000	< 500	56 J	< 500	130 J	< 250	< 330	48	< 330	< 330	< 250	< 330	
trans-1,3-Dichloropropene	µg/L	NS	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	< 10	< 13	< 33	< 33	< 25	< 25	15 J	< 33	< 20	< 1.0	< 13	< 13	< 10	< 13	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	< 250	< 330	< 25	< 330	< 330	< 250	< 330	
Vinyl chloride	µg/L	2.0	210	320	380	720	680	830	750	550	420	480	370	190	300	120	15,000	12,000	13,000	9,100	8,500	7,300	12,000	8,900	5,800	7,600	5,700	7,000	3,700	5,100	4,100	
Gases																																
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	TW-16-03														TW-16-04															
			9-19														9-19															
			8/3/2017	11/8/2017	2/14/2018	5/11/2018	8/8/2018	10/30/2018	2/25/2019	6/11/2019	9/27/2019	11/14/2019	2/11/2020	8/18/2020	11/9/2020	3/1/2021	4/25/2017	8/3/2017	11/8/2017	2/14/2018	5/11/2018	8/8/2018	10/30/2018	2/25/2019	6/11/2019	9/27/2019	11/14/2019	2/4/2020	8/18/2020	11/5/2020	3/1/2021	
Methyl-tert-butyl ether	µg/L	40	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	µg/L	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	µg/L	100	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	5.0	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 2.5	< 2.5	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	< 2.5	< 2.5	< 1.0	< 2.5	< 2.5	< 1.0	< 2.0	
Toluene	µg/L	790	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	< 8.0	< 6.7	< 20	< 5.0	< 4.0	< 13	< 3.3	NA	NA	NA	NA	NA	NA	NA	< 8.0	< 8.0	< 13	< 13	< 5.0	< 2.0	< 6.7	< 6.7	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	100	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 2.5	< 2.5	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	< 2.5	< 2.5	< 1.0	< 2.5	< 2.5	< 1.0	< 2.0	
trans-1,3-Dichloropropene	µg/L	NS	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	NA	NA	NA	NA	NA	NA	NA	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	NA	NA	NA	NA	NA	NA	NA	
Trichloroethene	µg/L	5.0	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 2.5	0.35 J	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	< 2.5	< 2.5	< 1.0	< 2.5	< 2.5	< 1.0	< 2.0	
Vinyl chloride	µg/L	2.0	100	77	95	78	76	97	48	20	53	87	82	84	89	69	150	120	100	77	65	63	90	65	51	49	46	22	20	30	30	
Gases																																
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Other																																
Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals																																
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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Notes:
Table includes routine data collected from onsite monitoring wells. Lack of a date indicates that it was not sampled during that quarter.
Results are compared to EGLE Part 201 Generic Cleanup Criteria, June 2018.
* The sample collected on 8/18/2020 from MW-200S was collected from an incorrect depth interval and is considered not representative. This data is not shown on the associated analytical figures.
Bold Result denotes exceedance of EGLE Non-Residential Drinking Water Criteria.
< Denotes not detected above reporting limit.

Abbreviations:	
µg/L	micrograms per liter
D	deep interval
EGLE	Michigan Department of Environment, Great Lakes, and Energy
F	matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeds control limits
ft. bgs	feet below ground surface
J	estimated result
LMW	light non-aqueous phase liquid monitoring well
mg/L	milligrams per liter
MW	monitoring well
NA	not analyzed/not available
NA*	result not reported due to laboratory instrument calibration
NS	no standard / not sampled
PW	pumping well
S	shallow interval
TW	test well
UB	analyte considered non-detect at the value listed due to associated blank contamination

Analytical Methods:
8260B SIM for Semi-volatile Organic Compounds (SVOCs)
8260B for Volatile Organic Compounds (VOCs)
RSK-175 for Dissolved Gases
6020 for Metals
5310C-2000 for Dissolved Organic Carbon (DOC)/Total Organic Carbon/Persulfate
9056A for Anions

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Well ID	TOC Elevation (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-75SR	666.96	2.5-12.5	02/22/19	NP	5.60	12.38	NA	NA	661.36	661.36
			06/14/19	NP	4.63	12.36	NA	NA	662.33	662.33
			09/26/19	NP	6.26	12.38	NA	NA	660.70	660.70
			11/04/19	NP	5.98	12.37	NA	NA	660.98	660.98
			02/05/20	NP	5.34	NM	NA	NA	661.62	661.62
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	6.10	NM	NA	NA	660.86	660.86
			11/20/20	NP	6.72	NM ⁽⁵⁾	NA	NA	660.24	660.24
MW-75D	666.89	12.0-17.0	02/08/21	NP	6.86	12.37	NA	NA	660.10	660.10
			05/22/17	NP	5.20	16.59	NA	NA	661.69	661.69
			07/24/17	NP	6.19	16.78	NA	NA	660.70	660.70
			11/06/17	NP	6.81	17.80	NA	NA	660.08	660.08
			02/05/18	NP	6.59	16.83	NA	NA	660.30	660.30
			05/07/18	NP	5.04	16.77	NA	NA	661.85	661.85
			08/16/18	NP	6.09	NM	NA	NA	660.80	660.80
			11/19/18	NP	5.51	17.74	NA	NA	661.38	661.38
			02/22/19	NP	5.72	16.78	NA	NA	661.17	661.17
			06/14/19	NP	4.57	16.74	NA	NA	662.32	662.32
			09/26/19	NP	6.26	16.70	NA	NA	660.63	660.63
			11/04/19	NP	5.89	16.66	NA	NA	661.00	661.00
			02/05/20	NP	5.35	NM	NA	NA	661.54	661.54
			05/18/20	NP	5.55	16.66	NA	NA	661.34	661.34
			08/17/20	NP	6.00	NM	NA	NA	660.89	660.89
			11/20/20	NP	6.81	NM ⁽⁵⁾	NA	NA	660.08	660.08
			02/08/21	NP	6.88	16.78	NA	NA	660.01	660.01
MW-76	670.10	15.0-20.0	05/22/17	NP	9.43	19.44	NA	NA	660.67	660.67
			07/24/17	NP	10.05	19.73	NA	NA	660.05	660.05
			11/06/17	NP	10.73	19.66	NA	NA	659.37	659.37
			02/05/18	NP	10.89	19.71	NA	NA	659.21	659.21
			05/07/18	NP	9.34	19.64	NA	NA	660.76	660.76
			08/16/18	NP	9.59	NM	NA	NA	660.51	660.51
			11/19/18	NP	9.25	19.60	NA	NA	660.85	660.85
			02/22/19	NP	9.75	19.62	NA	NA	660.35	660.35
			06/14/19	NP	8.56	19.61	NA	NA	661.54	661.54
			09/26/19	NP	9.78	19.63	NA	NA	660.32	660.32
			11/04/19	NP	9.74	19.62	NA	NA	660.36	660.36
			02/05/20	NP	9.36	NM	NA	NA	660.74	660.74
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	9.50	NM	NA	NA	660.60	660.60
			11/20/20	NP	10.28	NM ⁽⁵⁾	NA	NA	659.82	659.82
			02/08/21	NP	10.66	19.63	NA	NA	659.44	659.44
			02/22/19	NP	9.64	14.15	NA	NA	660.34	660.34
MW-76S	669.98	4.5-14.5	06/14/19	NP	8.55	14.50	NA	NA	661.43	661.43
			09/26/19	NP	9.65	14.17	NA	NA	660.33	660.33
			11/04/19	NP	9.63	14.15	NA	NA	660.35	660.35
			02/05/20	NP	9.24	NM	NA	NA	660.74	660.74
			05/18/20	NP	9.33	14.19	NA	NA	660.65	660.65
			08/17/20	NP	9.40	NM	NA	NA	660.58	660.58
			11/20/20	NP	10.17	NM ⁽⁵⁾	NA	NA	659.81	659.81
			02/08/21	NP	10.56	14.16	NA	NA	659.42	659.42
MW-77	660.56	9.0-14.0	05/22/17	NP	4.59	13.45	NA	NA	655.97	655.97
			07/24/17	NP	5.90	13.75	NA	NA	654.66	654.66
			11/06/17	NP	6.30	13.67	NA	NA	654.26	654.26
			02/05/18	NP	5.43	13.75	NA	NA	655.13	655.13
			05/07/18	NP	4.28	13.70	NA	NA	656.28	656.28
			08/16/18	NP	5.88	NM	NA	NA	654.68	654.68
			11/19/18	NP	4.59	13.69	NA	NA	655.97	655.97
			02/22/19	NP	4.64	13.72	NA	NA	655.92	655.92
			06/14/19	NP	4.23	13.71	NA	NA	656.33	656.33
			09/26/19	NP	5.97	13.72	NA	NA	654.59	654.59
			11/04/19	NP	5.21	13.70	NA	NA	655.35	655.35
			02/05/20	NP	4.29	NM	NA	NA	656.27	656.27
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	5.68	NM	NA	NA	654.88	654.88
			11/20/20	NP	5.85	13.74 ⁽⁵⁾	NA	NA	654.71	654.71
MW-77S	660.55	2.5-12.5	02/08/21	NP	5.52	13.72	NA	NA	655.04	655.04
			02/22/19	NP	4.53	12.16	NA	NA	656.02	656.02
			06/14/19	NP	4.12	12.14	NA	NA	656.43	656.43
			09/26/19	NP	5.89	12.17	NA	NA	654.66	654.66
			11/04/19	NP	5.15	12.15	NA	NA	655.40	655.40
			02/05/20	NP	5.03	NM	NA	NA	655.52	655.52
			05/18/20	NP	4.19	12.17	NA	NA	656.36	656.36
			08/17/20	NP	5.58	NM	NA	NA	654.97	654.97
			11/20/20	NP	5.74	12.19 ⁽⁵⁾	NA	NA	654.81	654.81
MW-78	657.23	7.0-12.0	02/08/21	NP	5.43	12.14	NA	NA	655.12	655.12
			05/22/17	NP	1.78	11.47	NA	NA	655.45	655.45
			07/24/17	NP	3.55	11.79	NA	NA	653.68	653.68
			11/06/17	NP	3.50	11.72	NA	NA	653.73	653.73
			02/05/18	NP	3.09	11.80	NA	NA	654.14	654.14
			05/07/18	NP	1.54	11.75	NA	NA	655.69	655.69
			08/16/18	NP	3.53	NM	NA	NA	653.70	653.70
			11/19/18	NP	1.68	11.71	NA	NA	655.55	655.55
			02/22/19	NP	2.02	11.75	NA	NA	655.21	655.21
			06/14/19	NP	1.19	11.75	NA	NA	656.04	656.04
			09/26/19	NP	3.71	11.77	NA	NA	653.52	653.52
			11/04/19	NP	2.70	11.76	NA	NA	654.53	654.53
			02/05/20	NP	1.66	NM	NA	NA	655.57	655.57
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	3.37	NM	NA	NA	653.86	653.86
			11/20/20	NP	3.32	11.79 ⁽⁵⁾	NA	NA	653.91	653.91
			02/08/21	NP	3.28	11.76	NA	NA	653.95	653.95

See Notes on Last Page.

Well ID	TOC Elevation (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-78S	657.61	2.5-12.5	02/22/19	NP	2.37	12.40	NA	NA	655.24	655.24
			06/14/19	NP	1.51	12.38	NA	NA	656.10	656.10
			09/26/19	NP	3.45	12.41	NA	NA	654.16	654.16
			11/04/19	NP	3.05	12.40	NA	NA	654.56	654.56
			02/05/20	NP	1.98	NM	NA	NA	655.63	655.63
			05/18/20	NP	1.55	12.40	NA	NA	656.06	656.06
			08/17/20	NP	3.70	NM	NA	NA	653.91	653.91
			11/20/20	NP	3.56	12.33 ⁽⁵⁾	NA	NA	654.05	654.05
MW-79S	663.10	5.0-10.0	02/08/21	NP	3.50	12.30	NA	NA	654.11	654.11
			05/22/17	NP	4.15	9.49	NA	NA	658.95	658.95
			07/24/17	NP	6.37	9.76	NA	NA	656.73	656.73
			11/06/17	NP	6.56	9.71	NA	NA	656.54	656.54
			02/05/18	NP	5.46	9.78	NA	NA	657.64	657.64
			05/07/18	NP	3.49	9.73	NA	NA	659.61	659.61
			08/16/18	NP	6.40	NM	NA	NA	656.70	656.70
			11/19/18	NP	4.50	9.71	NA	NA	658.60	658.60
MW-79SR	663.06	2.5-12.5	12/10/18	Monitoring Well Abandoned						
			02/22/19	NP	4.19	12.28	NA	NA	658.87	658.87
			06/14/19	NP	3.50	12.50	NA	NA	659.56	659.56
			09/26/19	NP	6.52	12.26	NA	NA	656.54	656.54
			11/04/19	NP	5.65	12.25	NA	NA	657.41	657.41
			02/05/20	NP	3.59	NM	NA	NA	659.47	659.47
			05/18/20	NP	3.37	12.26	NA	NA	659.69	659.69
			08/17/20	NP	6.22	NM	NA	NA	656.84	656.84
MW-79D	663.35	10.0-15.0	11/20/20	NP	6.19	12.29 ⁽⁵⁾	NA	NA	656.87	656.87
			02/08/21	NP	5.71	12.27	NA	NA	657.35	657.35
			05/22/17	NP	4.20	14.38	NA	NA	659.15	659.15
			07/24/17	NP	6.45	14.66	NA	NA	656.90	656.90
			11/06/17	NP	6.62	14.60	NA	NA	656.73	656.73
			02/05/18	NP	5.51	14.69	NA	NA	657.84	657.84
			05/07/18	NP	3.55	14.62	NA	NA	659.80	659.80
			08/16/18	NP	6.49	NM	NA	NA	656.86	656.86
			11/19/18	NP	4.58	14.60	NA	NA	658.77	658.77
			02/22/19	NP	4.33	14.64	NA	NA	659.02	659.02
			06/14/19	NP	3.63	14.62	NA	NA	659.72	659.72
			09/26/19	NP	6.66	14.64	NA	NA	656.69	656.69
			11/04/19	NP	5.80	14.63	NA	NA	657.55	657.55
			02/05/20	NP	3.69	NM	NA	NA	659.66	659.66
05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾			
MW-80S	656.08	7.0-12.0	08/17/20	NP	6.37	NM	NA	NA	656.98	656.98
			11/20/20	NP	6.31	14.67 ⁽⁵⁾	NA	NA	657.04	657.04
			02/08/21	NP	5.84	14.62	NA	NA	657.51	657.51
			05/22/17	NP	2.41	11.29	NA	NA	653.67	653.67
			07/24/17	NP	4.19	11.50	NA	NA	651.89	651.89
			11/06/17	NP	3.41	11.53	NA	NA	652.67	652.67
			02/05/18	NP	2.86	11.81	NA	NA	653.22	653.22
			05/07/18	NP	1.23	11.56	NA	NA	654.85	654.85
MW-80SR	656.23	2.5-12.5	08/16/18	NP	4.14	NM	NA	NA	651.94	651.94
			11/19/18	NP	2.17	11.53	NA	NA	653.91	653.91
			12/10/18	Monitoring Well Abandoned						
			03/06/19	NP	2.43	12.21	NA	NA	653.80	653.80
			06/14/19	NP	1.39	12.24	NA	NA	654.84	654.84
			09/26/19	NP	4.41	12.24	NA	NA	651.82	651.82
			11/04/19	NP	2.80	12.22	NA	NA	653.43	653.43
			02/05/20	NP	1.35	NM	NA	NA	654.88	654.88
MW-81 ⁽¹⁾	657.32	8.0-13.0	05/18/20	NP	1.13	12.24	NA	NA	655.10	655.10
			08/17/20	NP	4.15	NM	NA	NA	652.08	652.08
			11/20/20	NP	3.51	NM ⁽⁵⁾	NA	NA	652.72	652.72
			02/08/21	NP	3.48	12.24	NA	NA	652.75	652.75
			05/22/17	NP	6.05	12.40	NA	NA	651.27	651.27
			07/24/17	NP	7.24	12.70	NA	NA	650.08	650.08
			11/06/17	NP	8.27	12.63	NA	NA	649.05	649.05
			02/05/18	NP	7.29	12.71	NA	NA	650.03	650.03
			05/07/18	NP	5.98	12.66	NA	NA	651.34	651.34
			08/16/18	NP	7.40	NM	NA	NA	649.92	649.92
			11/19/18	NP	6.62	12.64	NA	NA	650.70	650.70
			02/22/19	NP	6.19	12.67	NA	NA	651.13	651.13
			06/14/19	NP	5.85	12.65	NA	NA	651.47	651.47
			09/26/19	NP	7.62	12.68	NA	NA	649.70	649.70
MW-81S	657.67	2.5-12.5	11/04/19	NP	7.31	12.68	NA	NA	650.01	650.01
			02/05/20	NP	6.23	NM	NA	NA	651.09	651.09
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	7.35	NM	NA	NA	649.97	649.97
			11/20/20	NP	7.67	NM ⁽⁵⁾	NA	NA	649.65	649.65
			02/08/21	NP	7.30	12.65	NA	NA	650.02	650.02
			02/22/19	NP	6.49	12.52	NA	NA	651.18	651.18
			06/14/19	NP	5.18	12.51	NA	NA	652.49	652.49
MW-82S	658.63	9.0-14.0	09/26/19	NP	7.83	12.52	NA	NA	649.84	649.84
			11/04/19	NP	7.60	12.54	NA	NA	650.07	650.07
			02/05/20	NP	6.26	NM	NA	NA	651.41	651.41
			05/18/20	NP	6.21	12.54	NA	NA	651.46	651.46
			08/17/20	NP	7.65	NM	NA	NA	650.02	650.02
			11/20/20	NP	8.01	NM ⁽⁵⁾	NA	NA	649.66	649.66
			02/08/21	NP	7.50	12.51	NA	NA	650.17	650.17
			05/22/17	NP	6.93	13.12	NA	NA	651.70	651.70
MW-82SR	658.63	9.0-14.0	07/24/17	NP	8.24	11.50	NA	NA	650.39	650.39
			11/06/17	NP	9.08	13.34	NA	NA	649.55	649.55
			02/05/18	NP	8.32	13.44	NA	NA	650.31	650.31
			05/07/18	NP	7.10	13.36	NA	NA	651.53	651.53
			08/16/18	NP	8.38	NM	NA	NA	650.25	650.25
			11/19/18	NP	7.62	13.37	NA	NA	651.01	651.01
			12/10/18	Monitoring Well Abandoned						
			See Notes on Last Page.							

Well ID	TOC Elevation (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-82SR	658.92	5.0-15.0	02/22/19	NP	7.47	16.12	NA	NA	651.45	651.45
			06/14/19	NP	6.85	15.10	NA	NA	652.07	652.07
			09/26/19	NP	8.65	16.12	NA	NA	650.27	650.27
			11/04/19	NP	8.27	16.12	NA	NA	650.65	650.65
			02/05/20	NP	6.94	NM	NA	NA	651.98	651.98
			05/18/20	NP	6.92	16.15	NA	NA	652.00	652.00
			08/17/20	NP	8.42	NM	NA	NA	650.50	650.50
			11/20/20	NP	8.76	NM ⁽⁵⁾	NA	NA	650.16	650.16
MW-82D	658.45	18.0-23.0	02/08/21	NP	8.37	16.10	NA	NA	650.55	650.55
			05/22/17	NP	7.34	22.45	NA	NA	651.11	651.11
			07/24/17	NP	8.50	22.80	NA	NA	649.95	649.95
			11/06/17	NP	9.41	22.72	NA	NA	649.04	649.04
			02/05/18	NP	8.65	22.81	NA	NA	649.80	649.80
			05/07/18	NP	7.33	22.74	NA	NA	651.12	651.12
			08/16/18	NP	8.49	NM	NA	NA	649.96	649.96
			11/19/18	NP	7.59	22.70	NA	NA	650.86	650.86
			03/06/19	NP	7.65	23.00	NA	NA	650.80	650.80
			06/14/19	NP	7.10	22.70	NA	NA	651.35	651.35
			09/26/19	NP	8.65	22.75	NA	NA	649.80	649.80
			11/04/19	NP	8.38	22.73	NA	NA	650.07	650.07
			02/05/20	NP	7.16	NM	NA	NA	651.29	651.29
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	8.45	NM	NA	NA	650.00	650.00
			11/20/20	NP	8.81	NM ⁽⁵⁾	NA	NA	649.64	649.64
MW-83 ⁽¹⁾	660.09	8.0-13.0	02/08/21	NP	8.46	22.72	NA	NA	649.99	649.99
			05/22/17	NP	6.46	12.11	NA	NA	653.63	653.63
			07/24/17	NP	7.61	12.44	NA	NA	652.48	652.48
			11/06/17	NP	8.08	12.46	NA	NA	652.01	652.01
			02/05/18	NP	7.53	12.48	NA	NA	652.56	652.56
			05/07/18	NP	6.28	12.43	NA	NA	653.81	653.81
			08/16/18	NP	7.71	NM	NA	NA	652.38	652.38
			11/19/18	NP	6.78	12.38	NA	NA	653.31	653.31
			02/22/19	NP	6.71	12.40	NA	NA	653.38	653.38
			06/14/19	NP	6.25	12.40	NA	NA	653.84	653.84
			09/26/19	NP	7.95	12.41	NA	NA	652.14	652.14
			11/04/19	NP	7.36	12.43	NA	NA	652.73	652.73
			02/05/20	NP	6.35	NM	NA	NA	653.74	653.74
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	7.78	NM	NA	NA	652.31	652.31
			11/20/20	NP	7.98	NM ⁽⁵⁾	NA	NA	652.11	652.11
MW-83S	660.26	3.0-13.0	02/08/21	NP	7.82	12.76	NA	NA	652.27	652.27
			02/22/19	NP	6.87	12.80	NA	NA	653.39	653.39
			06/14/19	NP	6.41	12.80	NA	NA	653.85	653.85
			09/26/19	NP	8.12	12.79	NA	NA	652.14	652.14
			11/04/19	NP	7.49	12.79	NA	NA	652.77	652.77
			02/05/20	NP	6.43	NM	NA	NA	653.83	653.83
			05/18/20	NP	6.62	12.80	NA	NA	653.64	653.64
			08/17/20	NP	7.93	NM	NA	NA	652.33	652.33
MW-84	662.50	8.0-13.0	11/20/20	NP	8.13	NM ⁽⁵⁾	NA	NA	652.13	652.13
			02/08/21	NP	7.66	12.42	NA	NA	652.60	652.60
			05/22/17	NP	3.26	12.28	NA	NA	659.24	659.24
			07/24/17	NP	5.19	12.59	NA	NA	657.31	657.31
			11/06/17	NP	5.54	12.52	NA	NA	656.96	656.96
			02/05/18	NP	4.60	12.60	NA	NA	657.90	657.90
			05/07/18	NP	2.90	12.55	NA	NA	659.60	659.60
			08/16/18	NP	5.22	NM	NA	NA	657.28	657.28
			11/19/18	NP	3.56	12.54	NA	NA	658.94	658.94
			02/22/19	NP	3.50	12.56	NA	NA	659.00	659.00
			06/14/19	NP	2.71	12.50	NA	NA	659.79	659.79
			09/26/19	NP	5.38	12.55	NA	NA	657.12	657.12
			11/04/19	NP	4.58	12.57	NA	NA	657.92	657.92
			02/05/20	NP	2.94	NM	NA	NA	659.56	659.56
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	5.04	NM	NA	NA	657.46	657.46
MW-84S	662.69	2.5-12.5	11/20/20	NP	5.22	12.60 ⁽⁵⁾	NA	NA	657.28	657.28
			02/08/21	NP	4.33	12.55	NA	NA	658.17	658.17
			02/22/19	NP	3.67	12.71	NA	NA	659.02	659.02
			06/14/19	NP	2.85	12.72	NA	NA	659.84	659.84
			09/26/19	NP	5.54	12.72	NA	NA	657.15	657.15
			11/04/19	NP	4.74	12.71	NA	NA	657.95	657.95
			02/05/20	NP	3.36	NM	NA	NA	659.33	659.33
			05/18/20	NP	2.96	12.72	NA	NA	659.73	659.73
MW-85	658.85	8.0-13.0	08/17/20	NP	5.20	NM	NA	NA	657.49	657.49
			11/20/20	NP	5.39	12.72 ⁽⁵⁾	NA	NA	657.30	657.30
			02/08/21	NP	4.50	12.70	NA	NA	658.19	658.19
			05/22/17	NP	4.71	12.43	NA	NA	654.14	654.14
			07/24/17	NP	6.12	12.75	NA	NA	652.73	652.73
			11/06/17	NP	6.34	12.70	NA	NA	652.51	652.51
			02/05/18	NP	5.53	12.76	NA	NA	653.32	653.32
			05/07/18	NP	4.16	12.69	NA	NA	654.69	654.69
			08/16/18	NP	6.12	NM	NA	NA	652.73	652.73
			11/19/18	NP	5.33	12.66	NA	NA	653.52	653.52
			02/22/19	NP	4.75	12.70	NA	NA	654.10	654.10
			06/14/19	NP	4.50	12.70	NA	NA	654.35	654.35
			09/26/19	NP	6.32	12.69	NA	NA	652.53	652.53
MW-82SR	658.92	5.0-15.0	11/04/19	NP	5.97	12.69	NA	NA	652.88	652.88
			02/05/20	NP	4.40	NM	NA	NA	654.45	654.45
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	6.06	NM	NA	NA	652.79	652.79
			11/20/20	NP	6.23	NM ⁽⁵⁾	NA	NA	652.62	652.62
			02/08/21	NP	5.73	12.69	NA	NA	653.12	653.12

See Notes on Last Page.

Well ID	TOC Elevation (ft. amsl)	Screen Interval (ft. bgs)	Gauging Date	Depth to LNAPL (ft. btoc)	Depth to Water (ft. btoc)	Total Depth (ft. btoc)	LNAPL Elevation (ft. amsl)	LNAPL Thickness (ft.)	Groundwater Elevation (ft. amsl)	Corrected Groundwater Elevation (ft. amsl)
MW-205	679.00	12.0-17.0	02/05/20	NP	6.74	17.0 ⁽³⁾	NA	NA	672.26	672.26
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	7.23	NM	NA	NA	671.77	671.77
			11/20/20	NP	8.04	NM ⁽⁵⁾	NA	NA	670.96	670.96
			02/08/21	Could Not Access Well						
MW-205S	678.95	4.5-9.5	02/05/20	NP	6.69	9.5 ⁽³⁾	NA	NA	672.26	672.26
			05/18/20	NP	7.03	9.01	NA	NA	671.92	671.92
			08/17/20	NP	7.18	NM	NA	NA	671.77	671.77
			11/20/20	NP	7.96	NM ⁽⁵⁾	NA	NA	670.99	670.99
			02/08/21	Could Not Access Well						
MW-206S	680.07	6.5-11.5	02/05/20	NP	8.20	11.5 ⁽³⁾	NA	NA	671.87	671.87
			05/18/20	NP	8.51	11.45	NA	NA	671.56	671.56
			08/17/20	NP	8.65	NM	NA	NA	671.42	671.42
			11/20/20	Could Not Access Well						
			02/08/21							
MW-214S	667.97	5.5-10.5	02/05/20	NP	5.67	8.0 ⁽³⁾	NA	NA	662.30	662.30
			05/18/20	NP	6.34	10.96	NA	NA	661.63	661.63
			08/17/20	Could Not Access Well						
			11/20/20							
			02/08/21	NP	8.42	10.89	NA	NA	659.55	659.55
MW-215S	665.74	3.0-8.0	02/05/20	NP	4.78	10.5 ⁽³⁾	NA	NA	660.96	660.96
			05/18/20	NP	4.65	7.62	NA	NA	661.09	661.09
			08/17/20	Could Not Locate						
			11/20/20							
			02/08/21							
MW-223S	670.85	8.5-13.5	02/05/20	NP	10.68	13.5 ⁽³⁾	NA	NA	660.17	660.17
			05/18/20	NP	10.67	13.22	NA	NA	660.18	660.18
			08/17/20	Could Not Access Well						
			11/20/20							
			02/08/21	NP	11.91	13.23	NA	NA	658.94	658.94

Notes:
Water level measurements collected from top of well casing.
Table includes data collected from right-of-way monitoring wells and select residential/commercial monitoring.
⁽¹⁾ MW-81 and MW-83 were re-surveyed on November 20, 2017 by Geodetic Designs Inc. MW-135S and MW-137S were re-surveyed after repairs on 11/12/2019.
⁽²⁾ Monitoring well total depth incorrect due to field measurement error. Confirmed during sampling of the monitoring well.
⁽³⁾ Monitoring well total depth not measured. Measurement shown is based on the recorded well screen depth from the well construction log.
⁽⁴⁾ Monitoring well not measured during the second quarter of 2020.
⁽⁵⁾ Monitoring well total depth only listed for wells collected during fourth-quarter site-wide gauging date. Refer to fourth quarter 2020 Groundwater Sampling Log for any wells with 'NM' listed.

Abbreviations:
EGLE Michigan Department of Environment, Great Lakes, and Energy
ft. feet
ft. amsl feet above mean sea level
ft. bgs feet below ground surface
ft. btoc feet below top of casing
ID Identification
LNAPL light non-aqueous phase liquid
NA not applicable
NM not measured
NP no product detected
NS not surveyed
TOC top of casing

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Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-72 15-20																MW-72S 3-13									
			5/22/2017	7/26/2017	11/7/2017	2/6/2018	5/9/2018	8/10/2018	10/22/2018	3/5/2019	5/17/2019	9/23/2019	11/5/2019	2/13/2020	5/26/2020	8/12/2020	11/17/2020	2/10/2021	12/17/2018	3/5/2019	5/8/2019	9/23/2019	11/6/2019	2/13/2020	5/20/2020	8/14/2020	11/17/2020	2/10/2021
Semi-volatile Organic Compounds (SVOCs)																												
1,4-Dioxane	µg/L	7.2*	1.1 J	0.53 J	0.97 J	0.78 J	0.32 J	1.1 J	1.4 J	0.91 J	< 2.0	< 2.0	0.97 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																												
1,1-Dichloroethene	µg/L	7.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/L	70	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	< 1.0	
Tetrachloroethene	µg/L	5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/L	100	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	1.0**	3.9	2.9	1.6	1.3	1.5 J	1.2	1.1	1.9	1.7	1.5	2.8	2.1	2.1	1.8	1.7	1.2	< 1.0	0.24 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Metals																												
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																												
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																												
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																												
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-73D 13.5-18.5																MW-73SR 2.5-12.5											
			5/22/2017	7/26/2017	11/7/2017	2/6/2018	5/9/2018	8/10/2018	10/22/2018	3/4/2019	5/8/2019	9/24/2019	11/11/2019	2/10/2020	5/22/2020	8/12/2020	11/17/2020	2/11/2021	12/17/2018	3/4/2019	5/8/2019	9/24/2019	11/11/2019	2/10/2020	5/22/2020	8/12/2020	11/17/2020	2/11/2021		
Semi-volatile Organic Compounds (SVOCs)																														
1,4-Dioxane	µg/L	7.2*	3.2	3.1	2.8	1.5 J	3.0	1.9 J	3.8	1.6 J	2.3	3.8	2.8	< 2.0	3.4	2.5	2.5	1.5 J	0.87 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0		
Volatile Organic Compounds (VOCs)																														
1,1-Dichloroethene	µg/L	7.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
cis-1,2-Dichloroethene	µg/L	70	NA	0.45 J	0.50 J	0.43 J	0.35 J	0.56 J	0.19 J	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	< 1.0	2.3	2.1	1.8	3.0	2.4	1.3	1.6	1.3	2.3	1.5		
Tetrachloroethene	µg/L	5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
trans-1,2-Dichloroethene	µg/L	100	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.43 J	0.25 J	< 1.0	0.35 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0			
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0 UB	< 1.0	0.34 J	< 1.0	0.15 J	< 1.0	< 1.0	0.16 J	0.17 J		
Vinyl chloride	µg/L	1.0**	1.1	0.85 J	1.3	0.79 J	0.80 J	0.75 J	< 1.0	0.71 J	< 1.0	0.48 J	< 1.0	< 1.0	0.28 J	< 1.0	< 1.0	< 1.0	1.7	1.5	< 1.0	1.3	1.0	0.87 J	1.4	< 1.0	0.85 J	0.55 J		
Metals																														
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Anions																														
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Total Organic Carbon (TOC)																														
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Gases																														
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-74 14-19																MW-74S 3-13									
			5/23/2017	7/26/2017	11/7/2017	2/6/2018	5/9/2018	8/9/2018	10/22/2018	3/8/2019	5/17/2019	9/18/2019	11/11/2019	2/7/2020	5/21/2020	8/12/2020	11/16/2020	2/11/2021	12/21/2018	3/8/2019	5/8/2019	9/18/2019	11/6/2019	2/7/2020	5/21/2020	8/12/2020	11/16/2020	2/11/2021
Semi-volatile Organic Compounds (SVOCs)																												
1,4-Dioxane	µg/L	7.2*	< 2.0	1.5 J	1.3 J	0.66 J	0.34 J	1.6 J	2.0	< 2.0	< 2.0	1.4 J	1.4 J	< 2.0	< 2.0	1.7 J	1.7 J	2.1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																												
1,1-Dichloroethene	µg/L	7.0	NA	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/L	70	NA	< 1.0	< 1.0	0.42 J	0.96 J	0.41 J	0.45 J	0.84 J	1.3	0.62 J	0.62 J	1.5	1.5	0.59 J	< 1.0 UB	0.33 J	1.3	0.82 J	0.97 J	1.0	1.5	0.56 J	0.96 J	0.43 J	1.2 UB	0.84 J
Tetrachloroethene	µg/L	5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.21 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/L	100	NA	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.19 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.25 J	< 1.0	
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	1.0**	< 1.0	2.7	2.4	2.0	0.70 J	2.8	2.2	1.1	< 1.0	1.7	1.8	< 1.0	< 1.0	2.9	4.1	3.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Metals																												
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																												
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																												
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																												
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

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Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-75D 12-17																MW-75S 5-10							
			5/23/2017	7/26/2017	11/8/2017	2/6/2018	5/9/2018	8/9/2018	10/22/2018	3/7/2019	5/15/2019	9/18/2019	11/26/2019	2/4/2020	5/20/2020	8/11/2020	11/13/2020	2/10/2021	5/23/2017	7/26/2017	11/8/2017	2/6/2018	5/9/2018	8/9/2018	10/22/2018	
Semi-volatile Organic Compounds (SVOCs)																										
1,4-Dioxane	µg/L	7.2*	1.9 J	1.8 J	1.8 J	0.91 J	0.65 J	2.0	2.3	1.5 J	1.5 J	3.3	1.9 J	3.2	1.6 J	2.2	2.7	2.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																										
1,1-Dichloroethene	µg/L	7.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/L	70	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	
Tetrachloroethene	µg/L	5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/L	100	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	
Vinyl chloride	µg/L	1.0**	6.4	3.7	4.9 J	1.9	2.4	1.8	1.7	1.6	1.7	1.6	2.2	1.0	1.3	2.2	2.2 J	1.1	0.45 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0
Metals																										
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 100	NA	330	NA	NA	NA	NA	
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	210	NA	350	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	63	NA	42	NA	NA	NA	NA	
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70	NA	42	NA	NA	NA	NA	
Anions																										
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21 J	NA	8.0 J	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	89	NA	110	NA	NA	NA	NA	
Total Organic Carbon (TOC)																										
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.6	NA	13	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.6	NA	13	NA	NA	NA	NA	
Gases																										
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.95 J	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,200	NA	NA	NA	NA	

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Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-75SR 2.5-12.5										MW-76 15-20																
			12/18/2018	3/7/2019	5/9/2019	9/18/2019	11/26/2019	2/4/2020	5/20/2020	8/11/2020	11/13/2020	2/10/2021	5/23/2017	7/26/2017	11/8/2017	2/6/2018	5/10/2018	8/9/2018	10/22/2018	3/1/2019	5/17/2019	9/17/2019	11/20/2019	2/3/2020	5/19/2020	8/10/2020	11/12/2020	2/12/2021	
Semi-volatile Organic Compounds (SVOCs)																													
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.0 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																													
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	3.9	4.0	2.2	2.6	2.2	1.8	1.3	1.2	1.4	1.4	1.2	0.36 J	1.0	0.93 J	0.52 J	
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	0.54 J	0.49 J	< 1.0	0.35 J	0.35 J	0.25 J	0.22 J	< 1.0	< 1.0	< 1.0	0.26 J	0.24 J	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	0.51 J	0.33 J	< 1.0	0.59 J	< 1.0	1.1	0.36 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Metals																													
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	340	NA	270	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	480	NA	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	760	NA	760	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	800	NA	770	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																													
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.2 J	NA	3.3 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	120	NA	160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																													
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	NA	4.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.90 J	NA	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																													
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:		Residential Drinking Water Criteria	MW-76S 4.5-14.5										MW-77 9-14														
			12/21/2018	3/1/2019	5/8/2019	9/17/2019	11/5/2019	2/3/2020	5/19/2020	8/10/2020	11/12/2020	2/12/2021	5/25/2017	7/26/2017	11/10/2017	2/8/2018	5/11/2018	8/6/2018	10/23/2018	3/4/2019	5/16/2019	9/17/2019	11/22/2019	2/13/2020	8/6/2020	11/19/2020	2/11/2021
Semi-volatile Organic Compounds (SVOCs)																											
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	0.32 J	< 2.0	< 2.0	0.27 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.1 J	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																											
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	0.67 J	0.73 J	0.66 J	0.54 J	0.61 J	0.74 J	< 1.0 UB	0.39 J	0.66 J	0.72 J	0.49 J	0.74 J	0.93 J	0.56 J
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.51 J	0.45 J	< 1.0	< 1.0	< 1.0	0.24 J	< 1.0	0.48 J	0.24 J	0.35 J	< 1.0	0.33 J	< 1.0	< 1.0	
Metals																											
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																											
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																											
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																											
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-77S 2.5-12.5									MW-78 7-12															
			12/27/2018	3/4/2019	5/16/2019	9/17/2019	11/22/2019	2/13/2020	8/6/2020	11/19/2020	2/11/2021	5/25/2017	7/25/2017	11/9/2017	2/8/2018	5/8/2018	8/6/2018	10/22/2018	2/26/2019	5/13/2019	9/19/2019	11/14/2019	2/12/2020	5/19/2020	8/5/2020	11/11/2020	2/24/2021
Semi-volatile Organic Compounds (SVOCs)																											
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.90 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																											
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.19 J	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	0.28 J	0.26 J	0.22 J	0.19 J	0.22 J	0.41 J	< 1.0	< 1.0	< 1.0	0.23 J	0.21 J
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	1.0**	< 1.0	0.20 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Metals																											
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																											
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																											
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																											
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-78S 2.5-12.5										MW-79D 10-15															
			12/19/2018	2/26/2019	5/13/2019	9/19/2019	11/14/2019	2/12/2020	5/19/2020	8/5/2020	11/11/2020	2/18/2021	5/24/2017	7/25/2017	11/9/2017	2/8/2018	5/8/2018	8/6/2018	10/24/2018	3/7/2019	5/15/2019	9/19/2019	11/12/2019	2/11/2020	5/20/2020	8/6/2020	11/11/2020	2/12/2021
Semi-volatile Organic Compounds (SVOCs)																												
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	0.49 J	0.87 J	0.95 J	< 2.0	0.99 J	< 2.0	0.35 J	< 2.0	< 2.0	1.3 J	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																												
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.16 J	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.11 J	
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.2	4.1	3.6	1.9	3.5	2.8	1.3	1.6 J	2.6	1.5	2.6	2.1	1.8	1.4	1.3	1.4
Metals																												
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																												
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																												
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																												
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:		Residential Drinking Water Criteria	MW-79S 5-10							MW-79SR 2.5-12.5										MW-80S 7-12						
			5/24/2017	7/25/2017	11/9/2017	2/8/2018	5/8/2018	8/6/2018	10/30/2018	12/19/2018	3/1/2019	5/15/2019	9/18/2019	11/13/2019	2/11/2020	5/20/2020	8/6/2020	11/11/2020	2/12/2021	5/24/2017	7/25/2017	11/8/2017	2/8/2018	5/8/2018	8/6/2018	10/22/2018
Semi-volatile Organic Compounds (SVOCs)																										
1,4-Dioxane	µg/L	7.2*	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	0.52 J	0.55 J	0.33 J	0.46 J	< 2.0	1.2 J
Volatile Organic Compounds (VOCs)																										
1,1-Dichloroethene	µg/L	7.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/L	70	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/L	5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/L	100	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.56 J	0.53 J	0.36 J	0.40 J	0.30 J	0.23 J	< 1.0	< 1.0	0.44 J	0.83 J	4.6	7.1	7.6	2.9	6.3	6.2	4.1
Metals																										
Iron, Dissolved	µg/L	300	990	NA	2,500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	600	NA	3,600	NA	NA	NA	NA
Iron, Total	µg/L	300	1,100	NA	2,900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	530	NA	3,600	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	110	NA	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	200	NA	230	NA	NA	NA	NA
Manganese, Total	µg/L	50	120	NA	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190	NA	230	NA	NA	NA	NA
Anions																										
Nitrate-N	mg/L	10	0.063 J	NA	< 0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.10	NA	< 0.10	NA	NA	NA	NA
Sulfate	mg/L	250	41	NA	69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97	NA	110	NA	NA	NA	NA
Total Organic Carbon (TOC)																										
Carbon, Dissolved	mg/L	NS	4.1	NA	4.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6	NA	5.7	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	3.1	NA	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.5	NA	5.2	NA	NA	NA	NA
Gases																										
Ethane	µg/L	NS	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	55	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-80SR 2.5-12.5										MW-81 8-13														
			12/27/2018	3/6/2019	5/10/2019	9/23/2019	11/5/2019	2/4/2020	5/19/2020	8/4/2020	11/6/2020	2/10/2021	5/26/2017	7/25/2017	11/9/2017	2/6/2018	5/10/2018	8/9/2018	10/23/2018	3/6/2019	5/17/2019	9/19/2019	11/7/2019	2/11/2020	8/18/2020	11/3/2020	2/17/2021
Semi-volatile Organic Compounds (SVOCs)																											
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	0.84 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																											
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/L	70	< 1.0	0.18 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	1.0**	1.4	2.1	3.2	3.4	3.6	1.8	2.2	4.3	4.3	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Metals																											
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																											
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																											
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																											
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-81S 2.5-12.5									MW-82D 18-23														
			12/26/2018	3/6/2019	5/17/2019	9/19/2019	11/7/2019	2/11/2020	8/18/2020	11/3/2020	2/17/2021	5/24/2017	7/25/2017	11/8/2017	2/6/2018	5/10/2018	8/8/2018	10/23/2018	3/6/2019	5/17/2019	9/23/2019	11/7/2019	2/11/2020	8/11/2020	11/3/2020	2/18/2021
Semi-volatile Organic Compounds (SVOCs)																										
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																										
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Metals																										
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																										
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																										
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																										
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Location: Screen Interval (ft. bgs): Sample Date:		Residential Drinking Water Criteria	MW-82S 9-14							MW-82SR 5-15									MW-83 8-13								
			5/24/2017	7/25/2017	11/8/2017	2/6/2018	5/10/2018	8/8/2018	10/23/2018	12/26/2018	3/5/2019	5/17/2019	9/23/2019	11/7/2019	2/11/2020	8/11/2020	11/3/2020	2/18/2021	5/26/2017	7/25/2017	11/9/2017	2/8/2018	5/11/2018	8/8/2018	10/22/2018	3/5/2019	5/22/2019
Semi-volatile Organic Compounds (SVOCs)																											
1,4-Dioxane	µg/L	7.2*	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.92 J	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																											
1,1-Dichloroethene	µg/L	7.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/L	70	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/L	5.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0
trans-1,2-Dichloroethene	µg/L	100	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<1.0 UB	< 1.0
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Metals																											
Iron, Dissolved	µg/L	300	180	NA	710	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	380	NA	720	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	510	NA	390	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	550	NA	380	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																											
Nitrate-N	mg/L	10	< 0.10	NA	< 0.10 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	470	NA	270	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																											
Carbon, Dissolved	mg/L	NS	2.7	NA	4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	2.1	NA	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																											
Ethane	µg/L	NS	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-83 8-13						MW-83S 3-13								MW-84 8-13											
			9/18/2019	11/5/2019	2/11/2020	8/11/2020	11/4/2020	2/22/2021	12/26/2018	3/5/2019	5/22/2019	9/18/2019	11/5/2019	2/11/2020	8/11/2020	11/4/2020	2/22/2021	5/25/2017	7/25/2017	11/9/2017	2/8/2018	5/8/2018	8/6/2018	10/23/2018	2/28/2019	5/21/2019	9/24/2019	11/25/2019
Semi-volatile Organic Compounds (SVOCs)																												
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.86 J	< 2.0 J	< 2.0	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																												
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.23 J	<1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Metals																												
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																												
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																												
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																												
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-84 8-13					MW-84S 2.5-12.5									MW-85 8-13												
			2/12/2020	5/19/2020	8/5/2020	11/12/2020	2/18/2021	12/21/2018	2/28/2019	5/9/2019	9/24/2019	11/25/2019	2/12/2020	5/19/2020	8/5/2020	11/12/2020	2/18/2021	5/25/2017	7/25/2017	11/7/2017	2/8/2018	5/8/2018	8/8/2018	10/22/2018	2/26/2019	5/17/2019	9/17/2019	11/13/2019	
Semi-volatile Organic Compounds (SVOCs)																													
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	0.29 J	< 2.0	0.41 J	0.45 J	< 2.0	1.0 J	< 2.0	1.3 J	< 2.0	0.49 J	
Volatile Organic Compounds (VOCs)																													
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	
Trichloroethene	µg/L	1.0**	0.10 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.17 J	< 1.0	0.12 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	8.6	7.3	7.3	5.5	7.5	7.2	5.5	5.5	5.4	6.5	5.1 J	
Metals																													
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																													
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																													
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																													
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-85 8-13					MW-85S 2.5-12.5	MW-85SR 4.5-9.5							MW-86 12-17												
			2/3/2020	5/19/2020	8/14/2020	11/11/2020	2/19/2021	12/21/2018	4/12/2019	9/17/2019	11/13/2019	2/3/2020	5/19/2020	8/14/2020	11/11/2020	2/19/2021	5/25/2017	7/26/2017	11/10/2017	2/8/2018	5/10/2018	8/6/2018	10/24/2018	2/28/2019	5/21/2019	9/19/2019	11/25/2019	2/11/2020
Semi-volatile Organic Compounds (SVOCs)																												
1,4-Dioxane	µg/L	7.2*	1.2 J	< 2.0	0.93 J	< 2.0	< 2.0	1.1 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	0.99 J	0.87 J	< 2.0	1.2 J	< 2.0	1.4 J	< 2.0 J	< 2.0	< 2.0	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																												
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	1.0**	4.9	3.9	5.4	5.4	5.8	7.8	2.2	2.1	1.4	1.4	0.33 J	2.2	2.0	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Metals																												
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																												
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																												
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																												
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-86 12-17			MW-86S 2.5-12.5									MW-87 14-19														
			8/7/2020	11/5/2020	2/9/2021	12/18/2018	2/28/2019	5/13/2019	9/19/2019	11/25/2019	2/11/2020	8/7/2020	11/5/2020	2/9/2021	5/23/2017	7/26/2017	11/10/2017	2/8/2018	5/10/2018	8/6/2018	10/23/2018	2/28/2019	5/21/2019	9/20/2019	11/22/2019	2/12/2020	8/6/2020	11/10/2020	2/9/2021
Semi-volatile Organic Compounds (SVOCs)																													
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.88 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																													
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Metals																													
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																													
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																													
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																													
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-87S 4.5-14.5									MW-96S 2.5-12.5									MW-97S 2.5-12.5								
			12/21/2018	3/1/2019	5/13/2019	9/20/2019	11/22/2019	2/12/2020	8/6/2020	11/10/2020	2/15/2021	12/18/2018	2/27/2019	5/16/2019	9/20/2019	11/26/2019	2/13/2020	8/3/2020	11/13/2020	2/11/2021	12/27/2018	3/6/2019	5/10/2019	9/19/2019	11/22/2019	2/13/2020	8/5/2020	11/19/2020	2/11/2021
Semi-volatile Organic Compounds (SVOCs)																													
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																													
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.47 J	< 1.0	< 1.0
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Metals																													
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																													
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																													
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																													
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-98S 2.5-12.5										MW-99S 3-13										MW-100S 3-13					
			12/19/2018	3/6/2019	5/10/2019	9/20/2019	11/13/2019	2/10/2020	5/19/2020	8/5/2020	11/13/2020	2/19/2021	12/21/2018	3/7/2019	5/9/2019	9/16/2019	11/6/2019	2/4/2020	5/21/2020	8/11/2020	11/16/2020	2/15/2021	12/18/2018	2/27/2019	5/9/2019	9/16/2019	11/26/2019	2/4/2020
Semi-volatile Organic Compounds (SVOCs)																												
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.0 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																												
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	0.21 J	< 1.0	< 1.0	< 1.0	< 1.0	0.25 J	< 1.0	0.94 J	0.57 J	0.89 J	0.30 J	0.41 J	0.20 J	0.45 J	< 1.0	< 1.0 UB	0.43 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.22 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Metals																												
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																												
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																												
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																												
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-100S 3-13				MW-101S 4.5-14.5										MW-102 10-15									
			5/21/2020	8/11/2020	11/16/2020	2/12/2021	12/21/2018	3/6/2019	5/8/2019	9/16/2019	11/13/2019	2/3/2020	5/20/2020	8/10/2020	11/12/2020	2/12/2021	12/19/2018	2/25/2019	5/17/2019	9/18/2019	11/18/2019	2/14/2020	5/22/2020	8/14/2020	11/12/2020	2/18/2021
Semi-volatile Organic Compounds (SVOCs)																										
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.7 J	1.3 J	1.1 J	1.0 J	1.0 J	1.4 J	1.4 J	< 2.0	0.88 J	0.90 J
Volatile Organic Compounds (VOCs)																										
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	1.7	1.8	1.0	1.4	1.3	1.5	< 1.0	1.2	2.2
Metals																										
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																										
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																										
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																										
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-102S 2.5-12.5										MW-105S 2.5-12.5										MW-106S 2.5-12.5						
			12/19/2018	2/25/2019	5/14/2019	9/18/2019	11/18/2019	2/14/2020	5/22/2020	8/14/2020	11/12/2020	2/18/2021	12/26/2018	2/25/2019	5/14/2019	9/16/2019	11/13/2019	2/12/2020	5/20/2020	8/14/2020	11/12/2020	3/1/2021	12/19/2018	2/27/2019	5/16/2019	9/23/2019	11/15/2019	2/10/2020	
Semi-volatile Organic Compounds (SVOCs)																													
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.55 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																													
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	
Metals																													
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																													
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																													
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																													
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-106S 2.5-12.5				MW-107S 2.5-12.5										MW-108S 2.5-12.5								MW-131S 2.5-12.5					
			5/19/2020	8/5/2020	11/12/2020	2/11/2021	12/26/2018	2/27/2019	5/10/2019	9/24/2019	11/12/2019	2/10/2020	5/19/2020	8/4/2020	11/6/2020	2/15/2021	12/26/2018	5/14/2019	9/19/2019	11/12/2019	2/3/2020	5/19/2020	8/14/2020	11/11/2020	2/18/2021	12/26/2018	2/26/2019	5/14/2019	9/16/2019	
Semi-volatile Organic Compounds (SVOCs)																														
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.90 J	0.93 J	< 2.0	< 2.0	< 2.0	< 2.0	1.2 J	< 2.0	< 2.0	1.0 J	< 2.0	1.3 J	1.3 J	
Volatile Organic Compounds (VOCs)																														
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.98 J	0.69 J	0.85 J	0.87 J	
Metals																														
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																														
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																														
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																														
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:		Residential Drinking Water Criteria	MW-131S 2.5-12.5						MW-132S 2.5-12.5										MW-133S 4-9							
			11/12/2019	2/4/2020	5/19/2020	8/17/2020	11/12/2020	2/26/2021	12/26/2018	2/26/2019	5/14/2019	9/16/2019	11/12/2019	2/4/2020	5/19/2020	8/13/2020	11/18/2020	2/26/2021	2/14/2019	5/23/2019	9/17/2019	11/7/2019	2/10/2020	8/10/2020	11/4/2020	2/22/2021
Semi-volatile Organic Compounds (SVOCs)																										
1,4-Dioxane	µg/L	7.2*	0.52 J	< 2.0	1.1 J	1.1 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																										
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	1.0**	1.2	0.52 J	1.2	1.0	0.59 J	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Metals																										
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																										
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																										
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																										
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:		Residential Drinking Water Criteria	MW-134S 5-10								MW-135S 5-10								MW-136S 2-7							
			2/14/2019	5/20/2019	9/17/2019	11/5/2019	2/11/2020	8/7/2020	11/4/2020	2/19/2021	2/14/2019	5/20/2019	9/16/2019	11/5/2019	2/12/2020	8/5/2020	11/11/2020	2/18/2021	2/19/2019	5/22/2019	9/18/2019	11/13/2019	2/10/2020	5/19/2020	8/4/2020	11/6/2020
Semi-volatile Organic Compounds (SVOCs)																										
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																										
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/L	1.0**	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.96 J	< 1.0	< 1.0	< 1.0	< 1.0	1.4	< 1.0
Metals																										
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																										
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																										
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																										
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-137S 2-7									MW-138S 2-7									MW-139S 2-7								
			2/23/2019	5/13/2019	9/23/2019	11/5/2019	2/4/2020	5/19/2020	8/4/2020	11/5/2020	2/10/2021	2/19/2019	5/16/2019	9/23/2019	11/15/2019	2/12/2020	5/26/2020	8/5/2020	11/12/2020	2/10/2021	2/26/2019	5/9/2019	9/20/2019	11/13/2019	2/12/2020	5/19/2020	8/6/2020	11/16/2020	2/19/2021
Semi-volatile Organic Compounds (SVOCs)																													
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																													
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	< 1.0	
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	1.0**	< 1.0	0.91 J	1.1	0.50 J	0.27 J	< 1.0	0.54 J	0.43 J	0.33 J	1.7	1.6	1.4	1.2	1.3	2.8	2.1	1.8	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Metals																													
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																													
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																													
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																													
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:	Unit	Residential Drinking Water Criteria	MW-140S 2-7									MW-141S 3-8									MW-142S 2.5-7.5								
			2/26/2019	5/16/2019	9/18/2019	11/12/2019	2/5/2020	5/20/2020	8/6/2020	11/16/2020	2/15/2021	2/27/2019	5/15/2019	9/18/2019	11/13/2019	2/11/2020	5/20/2020	8/6/2020	11/11/2020	2/15/2021	2/25/2019	5/23/2019	9/16/2019	11/13/2019	2/3/2020	5/19/2020	8/14/2020	11/11/2020	2/18/2021
Semi-volatile Organic Compounds (SVOCs)																													
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																													
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Metals																													
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anions																													
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon (TOC)																													
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gases																													
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Last Page.

Location: Screen Interval (ft. bgs): Sample Date:		Residential Drinking Water Criteria	MW-192S 2.5-7.5								MW-204 12-17				MW-204S 4-9				MW-205 12-17				MW-205S 4.5-9.5			
			4/11/2019	9/20/2019	11/15/2019	2/12/2020	5/19/2020	8/5/2020	11/13/2020	2/9/2021	1/3/2020	2/7/2020	8/3/2020	11/2/2020	12/27/2019	2/7/2020	8/3/2020	11/2/2020	1/3/2020	2/7/2020	8/3/2020	11/2/2020	12/30/2019	2/7/2020	8/3/2020	11/2/2020
Semi-volatile Organic Compounds (SVOCs)																										
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Volatile Organic Compounds (VOCs)																										
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	0.34 J	0.53 J	< 1.0	< 1.0	0.49	0.31 J	0.20 J	< 2.5 UB	< 2.5	1.3 J	1.6 J	17	7.5	14	25	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.7 J	< 2.5	< 2.5	< 2.5	1.8	0.70 J	< 6.7	2.9	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichloroethene	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	61	67	62	70	37	21	130	95	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl chloride	µg/L	1.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	<2.5	<2.5	< 2.5	< 2.5	<1.7	<1.7	< 6.7	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Metals																										
Iron, Dissolved	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Iron, Total	µg/L	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Dissolved	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Manganese, Total	µg/L	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Anions																										
Nitrate-N	mg/L	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Sulfate	mg/L	250	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon (TOC)																										
Carbon, Dissolved	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Organic Carbon	mg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Gases																										
Ethane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methane	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

See Notes on Last Page.

Notes:
Table includes routine data collected from off-site monitoring wells. Lack of a date indicates that it was not sampled during that quarter.
Results are compared to EGLE Part 201 Generic Cleanup Criteria, June 2018.
* Residential Drinking Water Criteria for 1,4-dioxane is derived from EGLE Proposed Rule Changes (September 2016) and Emergency Rules (October 27, 2016).
** Groundwater results for Trichloroethene and Vinyl Chloride are compared to the published EGLE Remediation and Redevelopment Division Target Detection Limit of 1.0 µg/l.
Bolded Result exceeds Residential Drinking Water Criteria
< Result not detected above reporting limit.

Abbreviations:
EGLE Michigan Department of Environment, Great Lakes, and Energy
µg/L micrograms per liter
D deep interval
ft. bgs feet below ground surface
J estimated result
mg/L milligrams per liter
MW monitoring well
NA not analyzed
NS no standard / not sampled
S shallow interval
SR shallow interval replacement
UB analyte considered non-detect at the value listed due to associated blank contamination

Analytical Methods:
Method 8260B SIM used for Semi-Volatile Organic Compounds (SVOCs)
Method 8260B used for Volatile Organic Compounds (VOCs)
Method RSK-175 used for Dissolved Gases
Method 6020 used for Metals
Method 5310C-2000 used for Dissolved Organic Carbon (DOC)/Total Organic Carbon/Persulfate
Method 9056A used for Anions

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Table 5
Hydraulic Control System Monthly Discharge Volumes
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan

Date	Approximate Volume of Treated Water Discharged * (Gallons)	Date	Approximate Volume of Treated Water Discharged * (Gallons)	Date	Approximate Volume of Treated Water Discharged * (Gallons)
1/1/2021	52,303	2/1/2021 ^Ω	41,669	3/1/2021 ^Ω	40,281
1/2/2021	51,770	2/2/2021 ^{*Ω}	41,182	3/2/2021 ^{*Ω}	41,174
1/3/2021	51,558	2/3/2021	41,284	3/3/2021	40,733
1/4/2021	51,473	2/4/2021	40,790	3/4/2021	41,232
1/5/2021 ^{Ω*}	51,395	2/5/2021 ^Ω	39,622	3/5/2021 ^{ΩS}	43,096
1/6/2021	51,499	2/6/2021	40,078	3/6/2021	48,636
1/7/2021	51,489	2/7/2021	40,560	3/7/2021	48,606
1/8/2021 ^{ΩS}	49,813	2/8/2021 ^Ω	41,190	3/8/2021 ^{ΩS}	42,610
1/9/2021	52,014	2/9/2021	41,412	3/9/2021	39,087
1/10/2021	51,826	2/10/2021	41,739	3/10/2021	39,212
1/11/2021 ^{ΩS}	49,725	2/11/2021	41,871	3/11/2021	39,321
1/12/2021	52,600	2/12/2021 ^Ω	41,803	3/12/2021 ^{ΩS}	45,193
1/13/2021	52,002	2/13/2021	41,493	3/13/2021	51,414
1/14/2021	51,488	2/14/2021	41,386	3/14/2021	50,853
1/15/2021 ^{ΩS}	49,837	2/15/2021 ^Ω	41,232	3/15/2021 ^Ω	50,613
1/16/2021	50,989	2/16/2021	40,265	3/16/2021	50,056
1/17/2021	50,650	2/17/2021	40,937	3/17/2021	47,523
1/18/2021	50,376	2/18/2021 ^{ΩS}	44,111	3/18/2021	51,795
1/19/2021 ^Ω	48,699	2/19/2021 ^{ΩS}	47,871	3/19/2021 ^Ω	54,406
1/20/2021	45,015	2/20/2021	48,488	3/20/2021	54,392
1/21/2021	42,674	2/21/2021	48,407	3/21/2021	53,107
1/22/2021	42,139	2/22/2021 ^Ω	47,281	3/22/2021 ^Ω	47,964
1/23/2021	42,919	2/23/2021	42,647	3/23/2021	44,612
1/24/2021	42,837	2/24/2021	40,580	3/24/2021	42,153
1/25/2021 ^Ω	42,280	2/25/2021	41,004	3/25/2021	41,130
1/26/2021*	41,371	2/26/2021 ^Ω	41,130	3/26/2021 ^Ω	40,262
1/27/2021	41,913	2/27/2021	40,594	3/27/2021	40,857
1/28/2021*	42,775	2/28/2021	40,292	3/28/2021	40,258
1/29/2021 ^Ω	43,086	--	--	3/29/2021 ^Ω	41,336
1/30/2021	42,873	--	--	3/30/2021	41,349
1/31/2021	42,007	--	--	3/31/2021	41,506
Total volume discharged during January 2021	1,483,395	Total volume discharged during February 2021	1,180,918	Total volume discharged during March 2021	1,394,767

Notes:

Treated groundwater discharge volume readings are recorded daily.

Footnotes:

* Volume of treated groundwater discharged from the hydraulic control system is based on a sum of the totalizer flow meters installed on each well inside the system building.

* Monthly treated groundwater discharge compliance sample collected as required by the Wastewater Discharge Permit Addendum #1 (Permit No.: 006-27510-IU).

^Ω Hydraulic control system inspection visit.

^S System shut down.

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FIGURES



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SITE LOCATION



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0 2,000 4,000
SCALE IN FEET

NOTES:

EGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SOURCE:

USGS 7.5 MINUTE TOPOGRAPHIC MAP
NORTHVILLE AND WAYNE QUADRANGLES

FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

SITE LOCATION MAP



FIGURE

1

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ON-SITE AREA

OFF-SITE AREA

TEST TRACK

ATNPC BUILDING

LIVONIA TRANSMISSION PLANT

SSDS Building

HCS Building

EDC

COMMERCE ST

LEVAN RD

GLENDAL ST

STARK RD

WADSWORTH ST

STANDISH ST

BOSTON POST ST

BREWSTER ST

CONCORD ST

ROSATI AVE

PLYMOUTH RD

VALE ST

LEGEND

- | | | | | | |
|--|-----------------|--|--|--|---------------------|
| | MONITORING WELL | | HYDRAULIC CONTROL SYSTEM WELL SCREEN | | ESD-4 CARRIER PIPE |
| | TEST WELL | | WELL BLANK CASING | | HCS ELECTRICAL LINE |
| | VAULT | | SSDS CONVEYANCE PIPING | | EDC DISCHARGE LINE |
| | SUCTION PITS | | FORD PROPERTY BOUNDARY | | |
| | PIEZOMETER | | COMMERCIAL/RESIDENTIAL PROPERTY BOUNDARY | | |
| | | | AREA OF CONCERN | | |

NOTES:

- EDC = EASTERN DIVERSION CHAMBER
- ATNPC = AUTOMATIC TRANSMISSION NEW PRODUCT CENTER
- EGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
- SSDS = SUB-SLAB DEPRESSURIZATION SYSTEM
- HCS = HYDRAULIC CONTROL SYSTEM
- ESD = EASTERN STORM DRAIN



FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

SITE LAYOUT



FIGURE

2

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ON-SITE AREA

OFF-SITE AREA

TEST TRACK

LIVONIA
TRANSMISSION
PLANT

ATNPC
BUILDING

SSDS Building

HCS Building

EDC BUILDING

COMMERCE ST

LEVAN RD

GLENDAL ST

FAIRLANE ST

ROSATI AVE

CONCORD ST

BEACON ST

BREWSTER ST

BOSTON POST ST

WADSWORTH ST

PLYMOUTH RD

BELDEN CT

STANDISH ST

PRISCILLA LN

LEGEND

- | | | |
|-------------------------|--|---|
| ONSITE MONITORING WELL | HYDRAULIC CONTROL SYSTEM WELL SCREEN | ESD-4 CARRIER PIPE |
| OFFSITE MONITORING WELL | WELL BLANK CASING | HCS ELECTRICAL LINE |
| PIEZOMETER | SSDS CONVEYANCE PIPING | EDC DISCHARGE LINE |
| SUCTION PITS | FORD PROPERTY BOUNDARY | GROUNDWATER ELEVATION CONTOUR (DASH WHERE INFERRED) |
| VAULT | COMMERCIAL/RESIDENTIAL PROPERTY BOUNDARY | FLOW DIRECTION |
| | AREA OF CONCERN | |

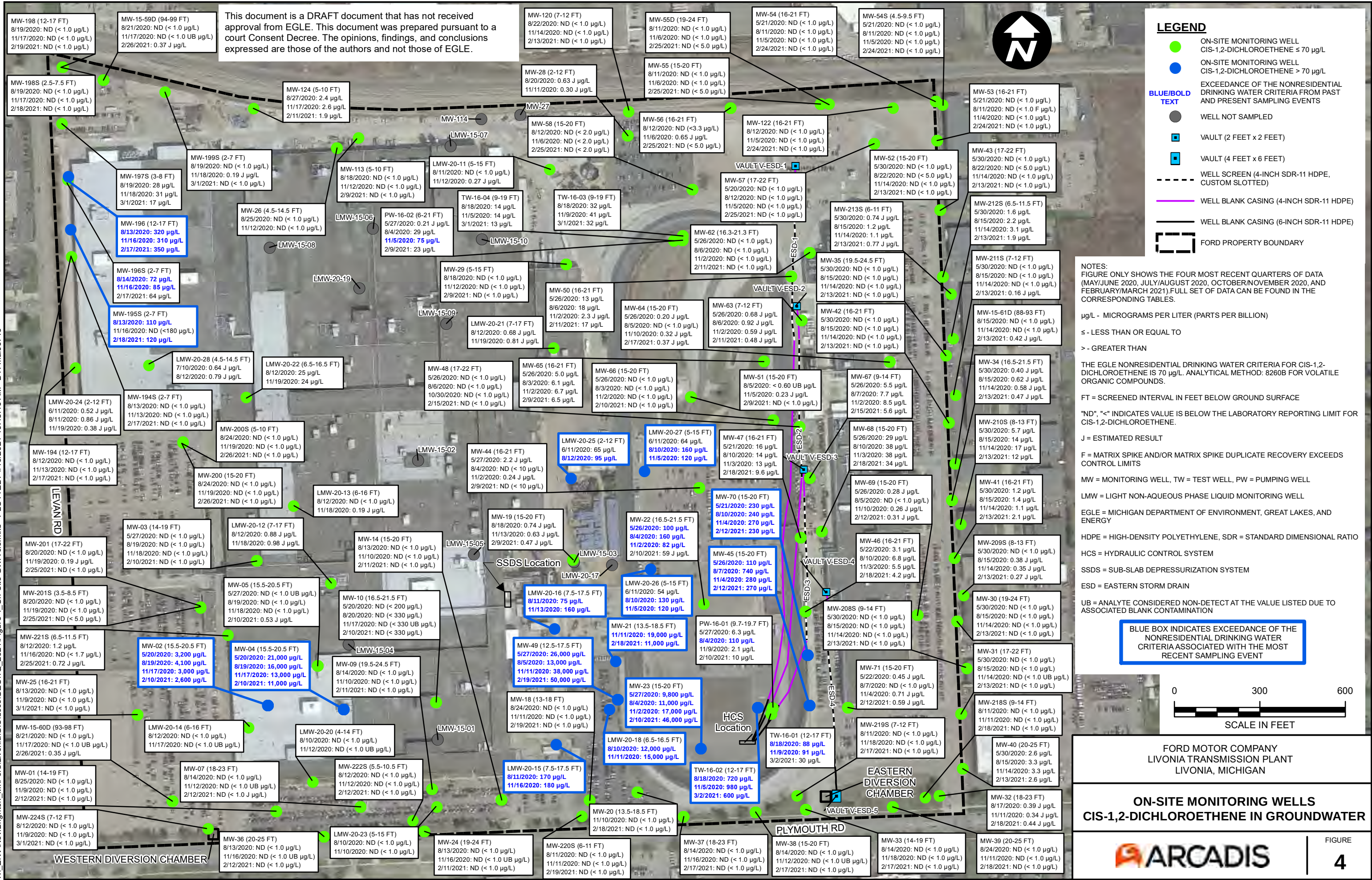
- NOTES:
1. ALL ELEVATIONS COLLECTED ON FEBRUARY 8, 2021 AND MEASURED FROM TOP OF WELL CASING.
 2. ALL ELEVATIONS ARE REFERENCED TO A MEAN SEA LEVEL DATUM AND ARE IN UNITS OF FEET ABOVE SEA LEVEL.
 3. WHERE NESTED WELLS ARE PRESENT, THE SHALLOW WELL IS USED FOR CONTOURING PURPOSES.
 4. EGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
 5. SSDS = SUB-SLAB DEPRESSURIZATION SYSTEM
 6. ESD = EASTERN STORM DRAIN
 7. HCS = HYDRAULIC CONTROL SYSTEM
 8. EDC = EASTERN DIVERSION CHAMBER
 9. ATNPC = AUTOMATIC TRANSMISSION NEW PRODUCT CENTER
 11. NM = NOT MEASURED - WELL COULD NOT BE ACCESSED OR LOCATED
 12. * = MONITORING WELL NOT USED TO CREATE CONTOURS

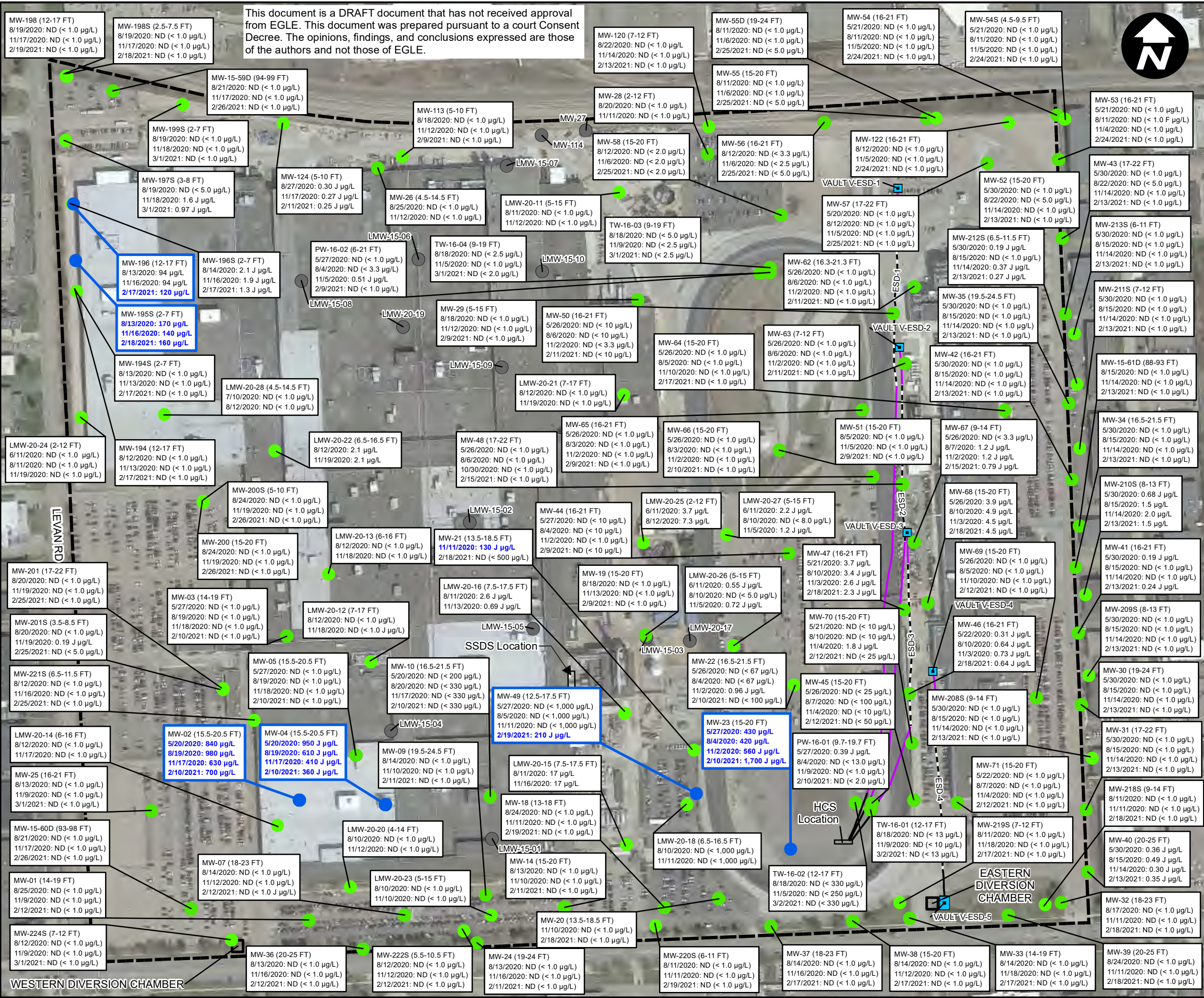


FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

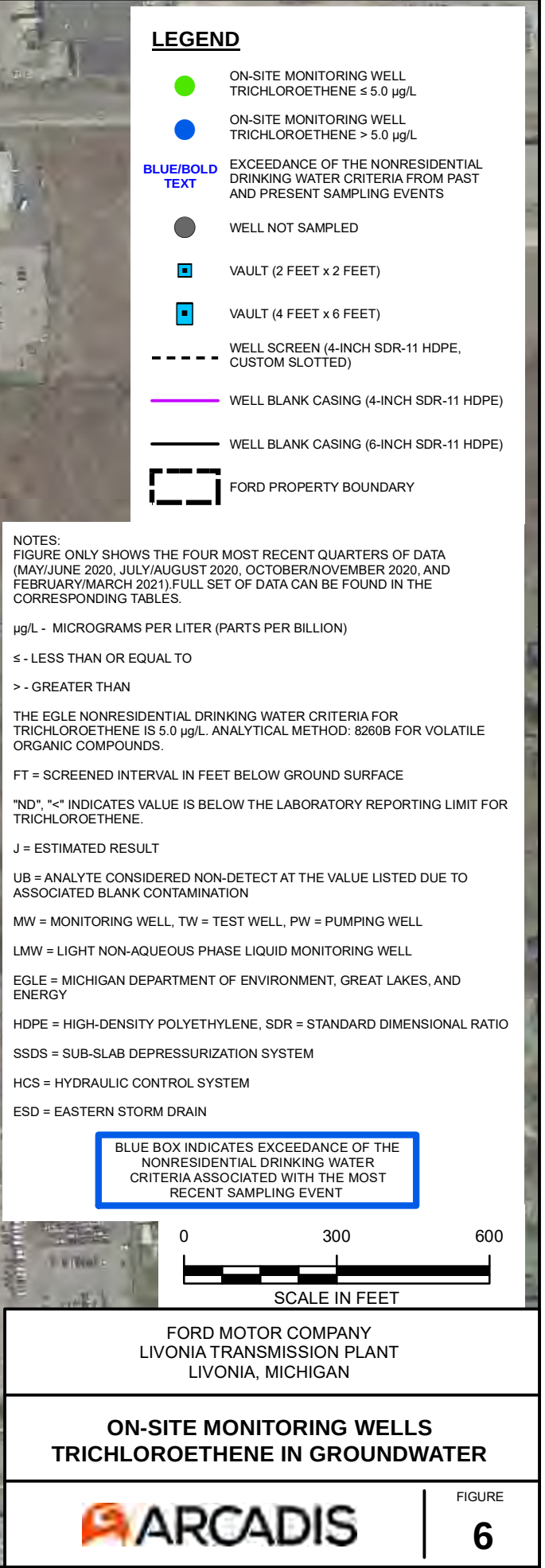
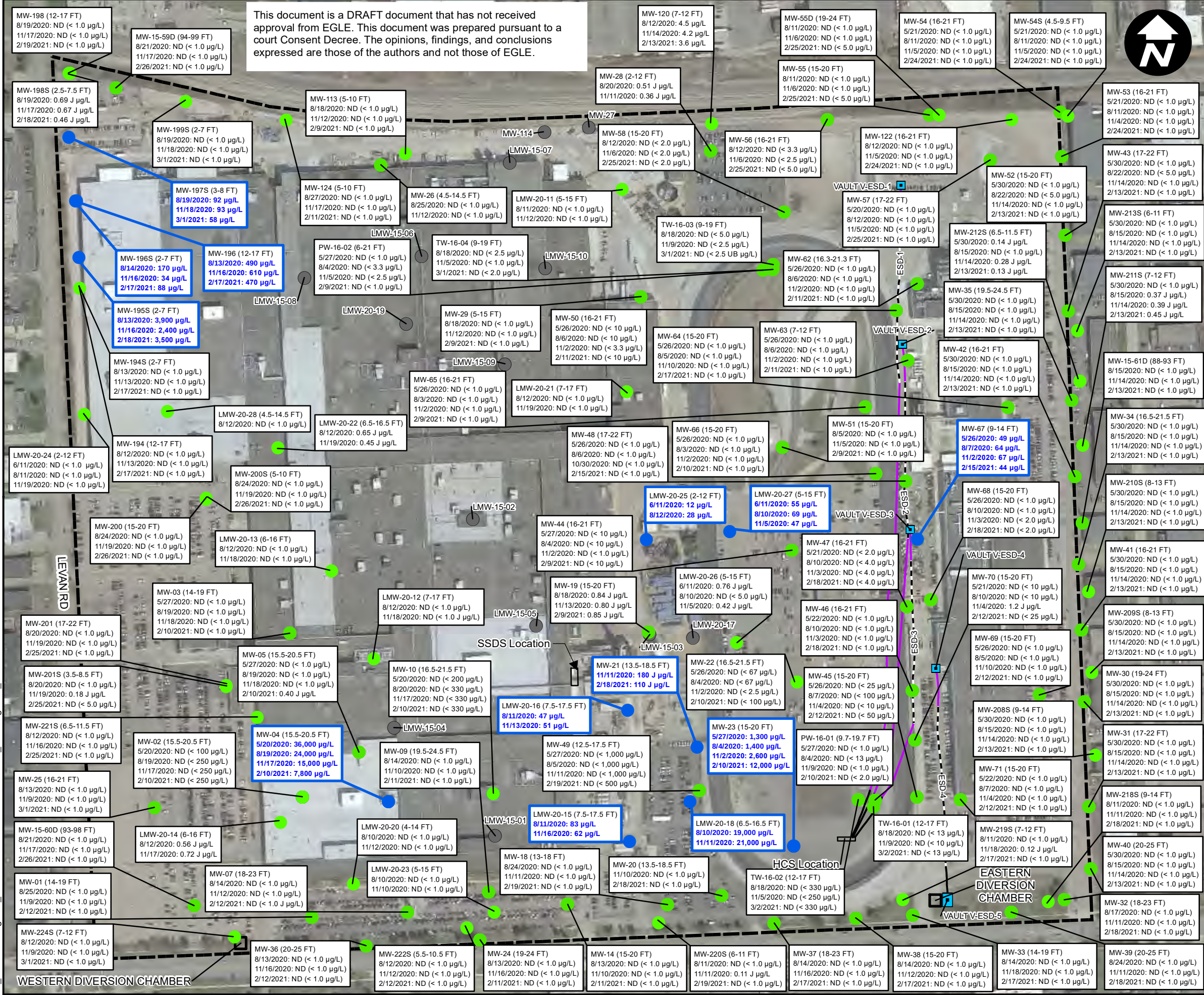
**SITE-WIDE GROUNDWATER ELEVATION
CONTOUR MAP UNDER PUMPING CONDITIONS
FEBRUARY 2021**



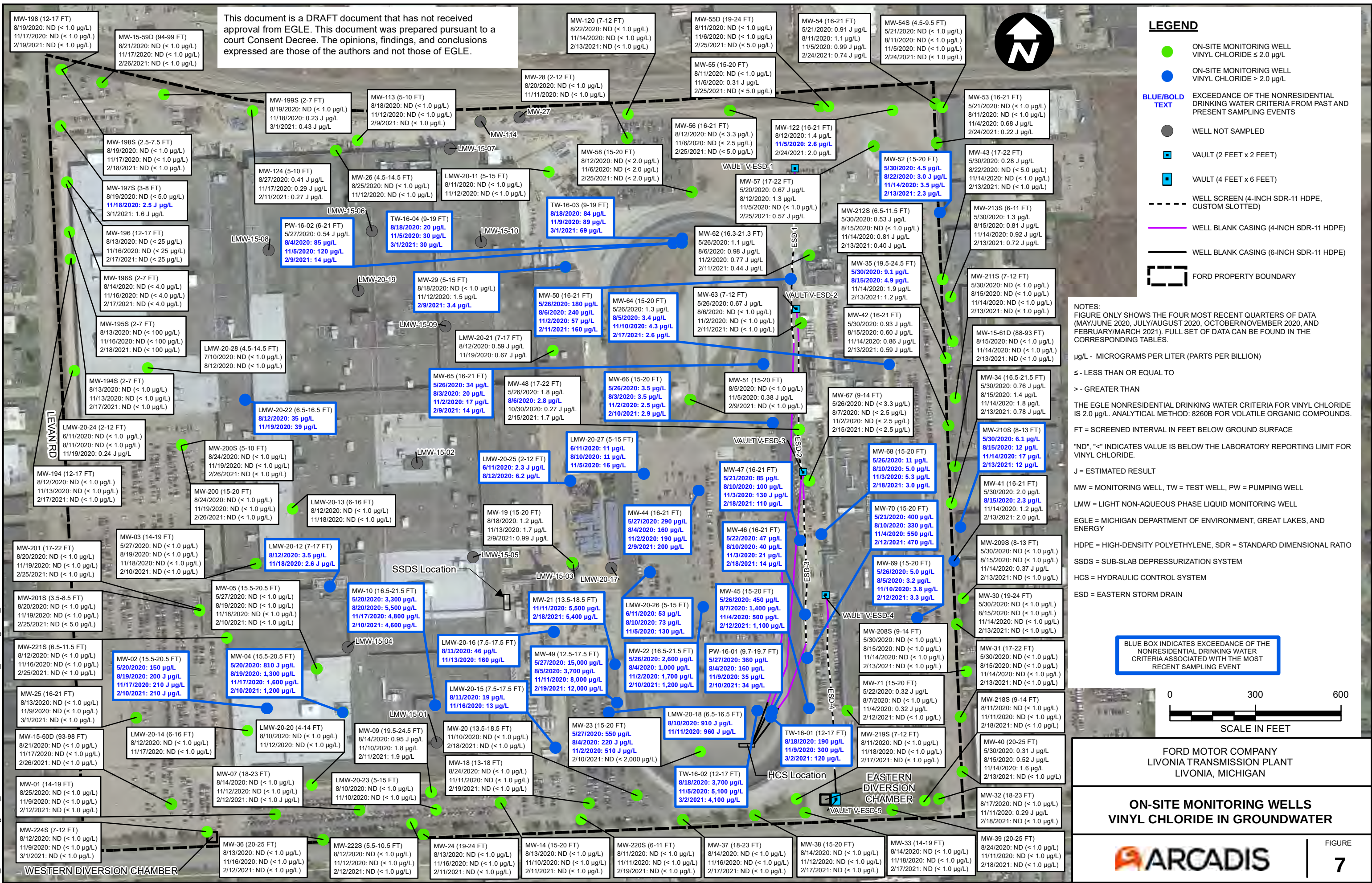


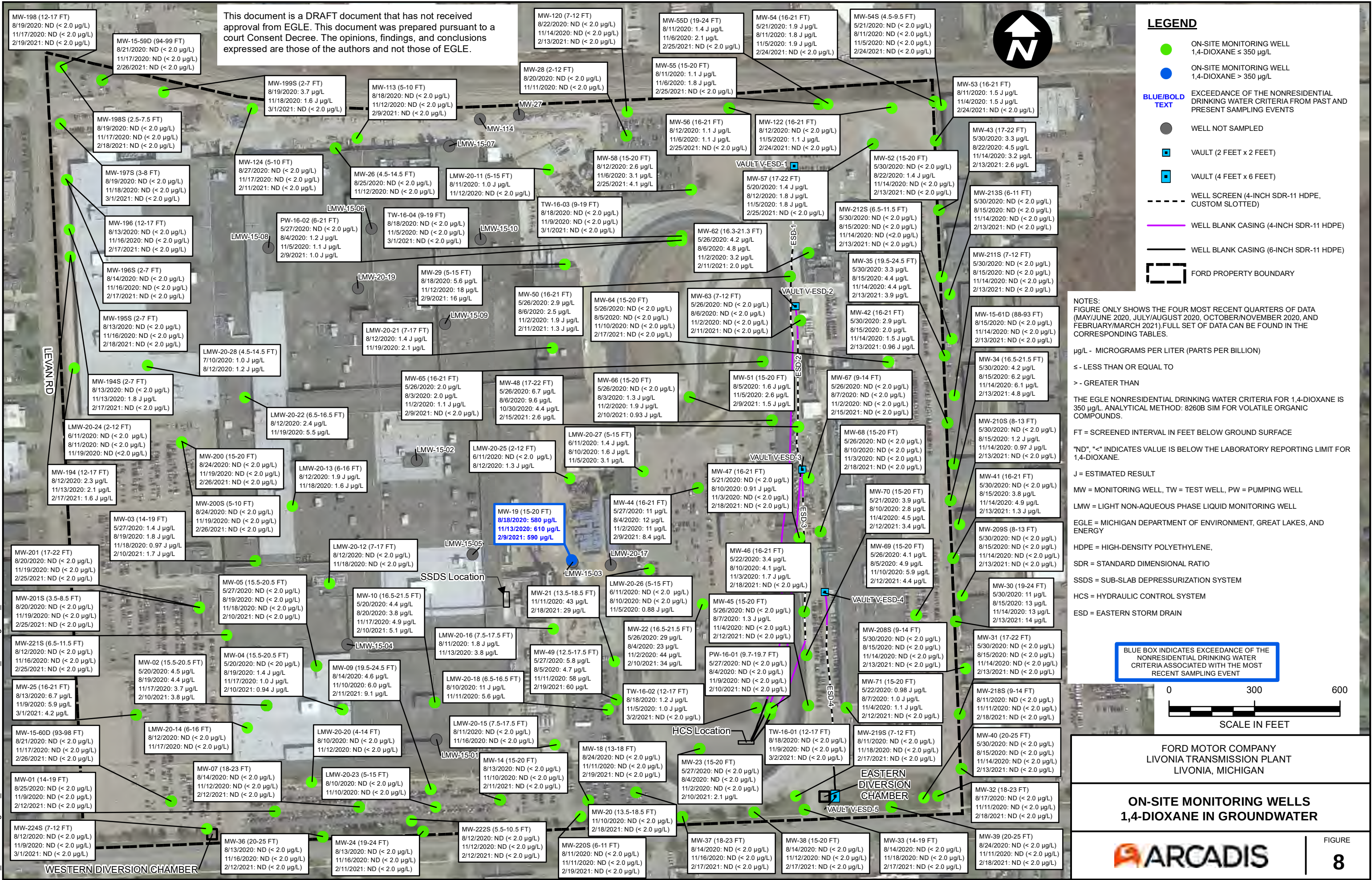


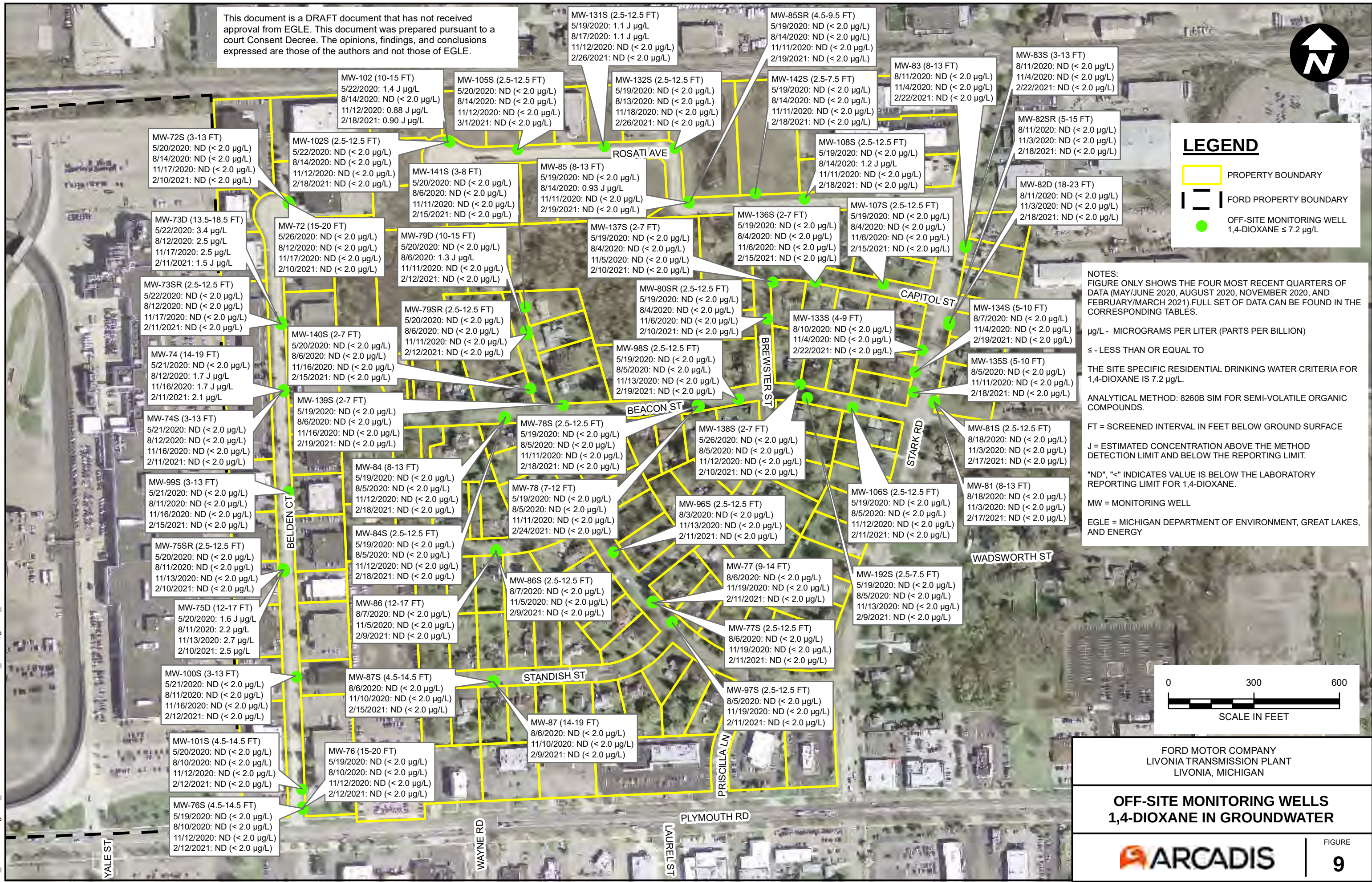
CITY: Novi DB: MG PROJECT NUMBER: 30080642.602.01 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet T:\EN\Novi\Brighton_Miford\lvonia\GIS\docs\GEC1Q_2021\Figure 6 On-Site GWA TCE.mxd PLOTTED: 4/19/2021 11:56:17 AM BY: P. SELVARAJ



CITY: Novi DIV: ENV DB: MG PROJECT NUMBER: 30080642.602.01 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet T: \ENV\Novi\Brighton_MilFord\Livonia\GIS\docs\CEC1Q_2021\Figure 7 On-Site GWA VC.mxd PLOTTED: 4/20/2021 12:06:37 PM BY: P. SELVARAJ







LEGEND

- PROPERTY BOUNDARY
- FORD PROPERTY BOUNDARY
- OFF-SITE MONITORING WELL
TRICHLOROETHENE ≤ 1.0 µg/L

NOTES:
FIGURE ONLY SHOWS THE FOUR MOST RECENT QUARTERS OF DATA (MAY /JUNE 2020, AUGUST 2020, NOVEMBER 2020, AND FEBRUARY/MARCH 2021). FULL SET OF DATA CAN BE FOUND IN THE CORRESPONDING TABLES.

µg/L - MICROGRAMS PER LITER (PARTS PER BILLION)

$\leq$ - LESS THAN OR EQUAL TO

THE PUBLISHED EGLE REMEDIATION AND REDEVELOPMENT DIVISION TARGET DETECTION LIMIT FOR TRICHLOROETHENE IS 1.0 µg/L.

ANALYTICAL METHOD: 8260B FOR VOLATILE ORGANIC COMPOUNDS.

FT = SCREENED INTERVAL IN FEET BELOW GROUND SURFACE

J = ESTIMATED CONCENTRATION ABOVE THE METHOD DETECTION LIMIT AND BELOW THE REPORTING LIMIT.

"ND", "<" INDICATES VALUE IS BELOW THE LABORATORY REPORTING LIMIT FOR TRICHLOROETHENE.

EGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

MW = MONITORING WELL

0 300 600
SCALE IN FEET

FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

**OFF-SITE MONITORING WELLS
TRICHLOROETHENE IN GROUNDWATER**

ARCADIS

FIGURE
10

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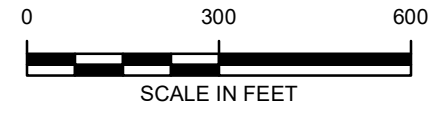
LEGEND

- PROPERTY BOUNDARY
- FORD PROPERTY BOUNDARY
- OFF-SITE MONITORING WELL
VINYL CHLORIDE ≤ 1.0 µg/L
- OFF-SITE MONITORING WELL
VINYL CHLORIDE > 1.0 µg/L
- EXCEEDANCE OF THE TDL FROM PAST AND PRESENT SAMPLING EVENTS

NOTES:
FIGURE ONLY SHOWS THE FOUR MOST RECENT QUARTERS OF DATA (MAY /JUNE 2020, AUGUST 2020, NOVEMBER 2020, AND FEBRUARY/MARCH 2021). FULL SET OF DATA CAN BE FOUND IN THE CORRESPONDING TABLES.

µg/L - MICROGRAMS PER LITER (PARTS PER BILLION)
≤ - LESS THAN OR EQUAL TO
> - GREATER THAN
TDL - TARGET DETECTION LIMIT
THE PUBLISHED EGLE REMEDIATION AND REDEVELOPMENT DIVISION TARGET DETECTION LIMIT FOR VINYL CHLORIDE IS 1.0 µg/L.
ANALYTICAL METHOD: 8260B FOR VOLATILE ORGANIC COMPOUNDS.
FT = SCREENED INTERVAL IN FEET BELOW GROUND SURFACE
J = ESTIMATED CONCENTRATION ABOVE THE METHOD DETECTION LIMIT AND BELOW THE REPORTING LIMIT.
"ND", "<" INDICATES VALUE IS BELOW THE LABORATORY REPORTING LIMIT FOR VINYL CHLORIDE.
MW = MONITORING WELL
EGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

BLUE BOX INDICATES EXCEEDANCE OF THE TARGET DETECTION LIMIT FOR VINYL CHLORIDE ASSOCIATED WITH THE MOST RECENT SAMPLING EVENT



FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

**OFF-SITE MONITORING WELLS
VINYL CHLORIDE IN GROUNDWATER**

FIGURE
11





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LEGEND:

- MW-32** LOCATION ID
 MONITORING WELL
 PIEZOMETER
661.63 GROUNDWATER ELEVATION (ft amsl)
 WELL TRIPLET PLANE WITH HYDRAULIC GRADIENT DIRECTION

- WELL SCREEN (4-INCH SDR-11 HDPE, CUSTOM SLOTTED)
 WELL BLANK CASING (4-INCH HDPE)
 WELL BLANK CASING (6-INCH HDPE)

- Notes:
1. All elevations collected on March 23, 2021 and measured from top of well casing.
2. All elevations are referenced to a mean sea level datum and are in units of feet above sea level (ft amsl).
3. EGLE - Michigan Department of Environment, Great Lakes, and Energy
4. HDPE - high density polyethylene
5. NM - well not measured

FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

HYDRAULIC GRADIENT MAP
MARCH 2021



APPENDICES



APPENDIX A

On-Site Groundwater Field Sampling Logs





SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	MW-01		Date	2-12-21	
Project Name/Location	Ford LTP		Weather	15.8 degrees F. The wind is blowing NE at 6.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	14-19	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	4.34	Total Depth (ft-bmp)	16.43	Water Column (ft.)	12.09	Gallons in Well	1.96	
		Pump Intake (ft-bmp)	15.43	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.80					
Sample Time:	Label	9:58	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	8:53						
	Purge End	10:01						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:55	0	100	4.81	0.00	7.22	54.35	115.00	0.97	11.7	176.2	Black, Brown, Cloudy	Slight Odor
9:00	5	100	4.79	0.13	7.29	52.64	131.00	0.59	9.1	71.4	Brown, Cloudy	Faint Odor
9:05	5	100	4.81	0.26	7.30	50.95	106.00	0.57	9.2	22.2	Brown, Cloudy	Slight Odor
9:10	5	100	4.82	0.39	7.32	50.14	71.70	0.59	9.6	-9.3	Clear, Small Brown Particulates	Slight Odor
9:15	5	100	4.83	0.52	7.34	49.65	47.40	0.50	9.9	-32.1	Clear, Small Brown Particulates	Faint Odor
9:20	5	100	4.78	0.65	7.36	50.37	33.90	0.52	9.6	-45.1	Clear, Small Brown Particulates	Faint Odor
9:25	5	100	4.78	0.78	7.37	50.01	27.40	0.47	9.7	-54.9	Clear, Small Brown Particulates	Faint Odor
9:30	5	100	4.78	0.91	7.38	49.85	25.40	0.49	9.6	-61.1	Clear, Small Brown Particulates	Faint Odor
9:35	5	100	4.79	1.04	7.39	49.60	20.00	0.40	9.9	-66.6	Clear, Small Brown Particulates	Faint Odor
9:40	5	100	4.80	1.17	7.39	49.16	20.40	0.30	10.1	-70.3	Clear, Small Brown Particulates	Faint Odor
9:45	5	100	4.83	1.30	7.40	49.02	15.10	0.40	9.9	-73.5	Clear	Faint Odor
9:50	5	100	4.83	1.43	7.41	49.19	13.90	0.40	10.1	-76.3	Clear	Faint Odor
9:55	5	100	4.83	1.56	7.41	48.88	12.80	0.49	10.2	-78.1	Clear	Faint Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	Need to replace well lid.		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite South	Well Locked at Arrival:	n/a	
Condition of Well:	Pad damaged, Poor	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01	Well ID	MW-02			Date	2-10-21
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing SW at 3.5 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15.5-20.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.21	Total Depth (ft-bmp)	19.46	Water Column (ft.)	12.25	Gallons in Well	1.99
		Pump Intake (ft-bmp)	18.00	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.39				
Sample Time:	Label	12:58	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:22					Kara Donahue
	Purge End	13:02					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information	
Well Location:	Well Locked at Arrival: n/a
Condition of Well:	Well Locked at Departure: n/a
Well Completion:	Lock Functioning: n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	MW-03		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	18.0 degrees F.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	14-19	Casing Diameter (in.)	2	Gallons in Well	1.84	
Static Water Level (ft-bmp)	7.34	Total Depth (ft-bmp)	18.65	Water Column (ft.)	11.31	Sample Method	Grab	
		Pump Intake (ft-bmp)	16.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.78					
Sample Time:	Label	14:28	Volume Purged	1.43 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	13:26						
	Purge End	14:31						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:30	0	100	7.40	0.00	7.32	15.62	9.05	7.76	20.5	-84.9	Clear	No Odor
13:35	5	100	7.43	0.13	7.33	15.63	0.02	7.60	20.3	-127.3	Clear	No Odor
13:40	5	100	7.43	0.26	7.33	15.54	4.69	7.24	20.5	-139.4	Clear	No Odor
13:45	5	100	7.45	0.39	7.33	15.53	2.11	4.43	20.5	-142.9	Clear	No Odor
13:50	5	100	7.45	0.52	7.33	15.52	3.40	4.25	20.6	-144.4	Clear	No Odor
13:55	5	100	7.41	0.65	7.33	15.52	4.56	4.11	20.5	-89.2	Clear	No Odor
14:00	5	100	7.44	0.78	7.34	15.52	3.49	3.73	20.5	-77.0	Clear	No Odor
14:05	5	100	7.44	0.91	7.35	15.51	3.49	3.65	20.5	-69.3	Clear	No Odor
14:10	5	100	7.51	1.04	7.34	15.51	2.31	3.53	20.6	-135.7	Clear	No Odor
14:15	5	100	7.51	1.17	7.34	15.50	4.21	3.44	20.5	-148.2	Clear	No Odor
14:20	5	100	7.50	1.30	7.34	15.53	2.64	3.33	20.6	-151.5	Clear	No Odor
14:25	5	100	7.50	1.43	7.34	15.54	0.02	3.29	20.6	-152.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Inside plant (Q42)	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01	Well ID	MV-04			Date	2-10-21	
Project Name/Location	Ford LTP		Weather			14.0 degrees F.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15.5-20.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.92	Total Depth (ft-bmp)	20.12	Water Column (ft.)	12.20	Gallons in Well	1.98	
		Pump Intake (ft-bmp)	18.00	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.39					
Sample Time:	Label	10:38	Volume Purged	0.78 gallons	Replicate/Code No.	DUP-06	Sampled by	Kara Donahue
	Purge Start	10:02						
	Purge End	10:46						

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Inside plant	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01	Well ID	MW-05			Date	2-10-21
Project Name/Location	Ford LTP		Weather		15.8 degrees F. The wind is blowing E/SE at 3.5 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15.5-20.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.46	Total Depth (ft-bmp)	19.68	Water Column (ft.)	12.22	Gallons in Well	1.99
		Pump Intake (ft-bmp)	18.00	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.46				
Sample Time:	Label	11:53	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:13					Kara Donahue
	Purge End	11:57					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
				6" = 1.47

Well Information

Well Location:	Inside plant (M22)	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	MW-07		Date	2-12-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing NNE at 9.2 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	18-23	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	5.28	Total Depth (ft-bmp)	22.37	Water Column (ft.)	17.09	Gallons in Well	2.78	
		Pump Intake (ft-bmp)	20.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.47					
Sample Time:	Label	12:59	Volume Purged	1.3 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	12:01						
	Purge End	13:02						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:05	0	100	5.66	0.00	7.11	14.26	22.00	7.35	10.6	13.5	Clear, Small Brown Particulates	No Odor
12:10	5	100	5.48	0.13	7.14	13.72	7.11	6.30	10.8	4.4	Clear, Small Brown Particulates	No Odor
12:15	5	100	5.48	0.26	7.14	13.36	7.56	6.17	10.7	-1.2	Clear, Small Brown Particulates	No Odor
12:20	5	100	5.48	0.39	7.16	12.72	6.02	5.57	11.0	-9.5	Clear, Small Brown Particulates	No Odor
12:25	5	100	5.47	0.52	7.18	12.55	6.27	5.80	11.0	-16.6	Clear, Small Brown Particulates	No Odor
12:30	5	100	5.47	0.65	7.19	12.63	4.62	5.62	11.3	-23.8	Clear, Small Brown Particulates	No Odor
12:35	5	100	5.47	0.78	7.19	12.80	4.97	5.84	11.4	-27.7	Clear, Small Brown Particulates	No Odor
12:40	5	100	5.47	0.91	7.20	12.89	6.22	5.42	11.1	-30.9	Clear, Small Brown Particulates	No Odor
12:45	5	100	5.47	1.04	7.20	12.91	3.44	5.34	11.2	-34.6	Clear, Small Brown Particulates	No Odor
12:50	5	100	5.47	1.17	7.21	12.93	2.89	5.24	11.2	-37.5	Clear, Small Brown Particulates	No Odor
12:55	5	100	5.47	1.30	7.21	12.95	3.50	5.12	11.2	-39.8	Clear, Small Brown Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite South	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	MW-09		Date	2-11-21	
Project Name/Location	Ford LTP		Weather	19.4 degrees F. The wind is blowing N at 4.6 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19.5-24.5	Casing Diameter (in.)	2	Gallons in Well	2.91	
Static Water Level (ft-bmp)	6.33	Total Depth (ft-bmp)	24.24	Water Column (ft.)	17.91	Sample Method	Grab	
		Pump Intake (ft-bmp)	22.00	Purge Method	Low-Flow			
		Well Volumes Purged	0.54					
Sample Time:	Label	14:24	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	13:18						
	Purge End	14:28						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:20	0	100	6.74	0.00	7.41	4.78	7.58	2.94	11.6	32.3	Clear, Small Orange Particulates	Faint Odor
13:25	5	100	6.99	0.13	7.41	4.69	8.53	1.79	11.5	12.7	Clear, Small Orange Particulates	Faint Odor
13:30	5	100	7.03	0.26	7.41	4.61	9.50	1.68	11.7	3.8	Clear, Small Orange Particulates	Faint Odor
13:35	5	100	7.09	0.39	7.38	4.26	7.75	2.02	11.8	-7.7	Clear, Small Orange Particulates	No Odor
13:40	5	100	7.10	0.52	7.37	4.25	7.29	2.14	11.9	-14.1	Clear, Small Orange Particulates	No Odor
13:45	5	100	7.12	0.65	7.36	4.36	6.78	1.99	12.0	-19.6	Clear, Small Orange Particulates	No Odor
13:50	5	100	7.13	0.78	7.37	4.44	8.60	1.87	12.1	-25.2	Clear, Small Orange Particulates	No Odor
13:55	5	100	7.14	0.91	7.37	4.56	6.80	1.69	11.9	-31.3	Clear, Small Orange Particulates	No Odor
14:00	5	100	7.14	1.04	7.38	4.62	7.27	1.47	12.3	-36.3	Clear, Small Orange Particulates	No Odor
14:05	5	100	7.15	1.17	7.38	4.75	4.48	1.27	12.4	-42.8	Clear, Small Brown Particulates	Faint Odor
14:10	5	100	7.17	1.30	7.39	4.80	4.94	1.20	12.6	-48.9	Clear, Small Orange Particulates	No Odor
14:15	5	100	7.18	1.43	7.39	4.87	5.64	1.11	12.3	-53.6	Clear, Small Brown Particulates	No Odor
14:20	5	100	7.19	1.56	7.40	4.92	6.35	1.05	12.2	-59.0	Clear, Small Brown Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	South of property	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	MW-10		Date	2-10-21	
Project Name/Location	Ford LTP		Weather			10.4 degrees F.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16.5-21.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.00	Total Depth (ft-bmp)	20.78	Water Column (ft.)	11.78	Gallons in Well	1.91	
		Pump Intake (ft-bmp)	19.00	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.48					
Sample Time:	Label	9:28	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	8:48						
	Purge End	9:31						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:50	0	100	9.18	0.00	7.12	8.96	38.40	6.94	20.6	106.4	Clear, Small Orange Particulates	No Odor
8:55	5	100	9.21	0.13	7.16	9.08	20.00	7.33	21.3	-9.9	Clear, Small Orange Particulates	No Odor
9:00	5	100	9.23	0.26	7.16	9.18	21.20	7.09	21.4	-50.5	Clear, Small Orange Particulates	No Odor
9:05	5	100	9.21	0.39	7.16	9.26	16.10	6.71	21.5	-70.1	Clear, Small Orange Particulates	No Odor
9:10	5	100	9.20	0.52	7.17	9.34	12.40	6.39	21.5	-82.1	Clear	No Odor
9:15	5	100	9.20	0.65	7.17	9.40	11.80	3.50	21.5	-91.9	Clear	No Odor
9:20	5	100	9.20	0.78	7.17	9.44	10.70	3.45	21.6	-96.6	Clear	No Odor
9:25	5	100	9.21	0.91	7.17	9.48	10.90	3.31	21.6	-100.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Inside plant	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-14		Date	2-11-21	
Project Name/Location	Ford LTP		Weather	23.0 degrees F.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Gallons in Well	1.97	
Static Water Level (ft-bmp)	7.09	Total Depth (ft-bmp)	19.23	Water Column (ft.)	12.14	Sample Method	Grab	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.73					
Sample Time:	Label	16:03	Volume Purged	1.44 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	14:58						
	Purge End	16:06						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:00	0	100	7.38	0.00	7.47	9.87	26.10	7.61	10.1	17.7	Clear, Small Brown Particulates	No Odor
15:05	5	100	7.38	0.13	7.47	9.98	22.00	6.73	10.2	13.6	Clear, Small Brown Particulates	No Odor
15:10	5	100	7.38	0.26	7.47	9.95	18.30	6.27	10.0	10.1	Clear, Small Brown Particulates	No Odor
15:15	5	100	7.38	0.39	7.50	9.54	15.90	6.28	10.2	6.2	Clear, Small Brown Particulates	No Odor
15:20	5	100	7.38	0.52	7.48	9.05	11.20	5.55	10.1	1.8	Clear, Small Brown Particulates	No Odor
15:25	5	100	7.38	0.65	7.47	8.65	9.58	5.36	10.4	-2.1	Clear, Small Brown Particulates	No Odor
15:30	5	100	7.38	0.78	7.40	8.25	8.46	5.27	10.3	-5.9	Clear, Small Brown Particulates	No Odor
15:35	5	100	7.38	0.79	7.38	7.96	7.79	5.17	10.3	-8.5	Clear, Small Brown Particulates	No Odor
15:40	5	100	7.38	0.92	7.35	7.75	7.45	4.98	10.6	-11.1	Clear, Small Brown Particulates	No Odor
15:45	5	100	7.38	1.05	7.33	7.54	7.64	4.84	10.1	-12.5	Clear, Small Brown Particulates	No Odor
15:50	5	100	7.38	1.18	7.31	7.39	5.93	4.89	10.0	-13.3	Clear, Small Brown Particulates	No Odor
15:55	5	100	7.38	1.31	7.30	7.24	5.82	4.78	9.8	-13.9	Clear, Small Brown Particulates	No Odor
16:00	5	100	7.38	1.44	7.28	7.08	4.48	4.63	9.7	-14.3	Clear, Small Brown Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	South of property	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-15-59D		Date	2-26-21	
Project Name/Location	Ford LTP		Weather	33.1 degrees F and Mostly Cloudy. The wind is blowing S/SE at 9.2 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	94-99	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	21.30	Total Depth (ft-bmp)	99.00	Water Column (ft.)	77.70	Gallons in Well	12.63	
		Pump Intake (ft-bmp)	96.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.29					
Sample Time:	Label	12:00	Volume Purged	3.6 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	11:03						
	Purge End	12:10						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:10	0	300	21.37	0.00	7.67	0.50	3.60	1.49	12.5	-15.4	Clear	No Odor
11:15	5	300	21.37	0.40	7.62	0.10	2.76	0.63	12.1	-71.2	Clear	No Odor
11:20	5	300	21.37	0.80	7.83	0.00	19.30	1.15	11.1	-43.3	Clear	No Odor
11:25	5	300	21.41	1.20	7.71	0.50	1.46	1.13	12.4	-69.1	Clear	No Odor
11:30	5	300	21.41	1.60	7.77	0.48	3.10	0.38	12.9	-111.9	Clear	No Odor
11:35	5	300	21.41	2.00	7.87	0.44	2.05	0.30	12.8	-143.5	Clear	No Odor
11:40	5	300	21.41	2.40	7.91	0.42	0.02	0.26	12.8	-156.6	Clear	No Odor
11:45	5	300	21.38	2.80	7.91	0.41	1.76	0.29	12.1	-160.8	Clear	No Odor
11:50	5	300	21.38	3.20	7.92	0.41	0.02	0.26	12.4	-165.7	Clear	No Odor
11:55	5	300	21.38	3.60	7.93	0.40	0.02	0.29	12.4	-167.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	Both thread tabs are broken off		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	Onsite- N of property	Well Locked at Arrival:	n/a		
Condition of Well:	Broken thread tabs,Fair	Well Locked at Departure:	n/a		
Well Completion:	Flush mount	Lock Functioning:	n/a		



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-15-60D		Date	2-26-21	
Project Name/Location	Ford LTP		Weather	25.0 degrees F and Haze. The wind is blowing SE at 4.7 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	93-98	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	19.52	Total Depth (ft-bmp)	98.00	Water Column (ft.)	78.48	Gallons in Well	12.75	
		Pump Intake (ft-bmp)	95.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.16					
Sample Time:	Label	9:50	Volume Purged	2.08 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	9:00						
	Purge End	10:00						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:05	0	200	19.67	0.00	7.61	0.48	2.85	1.60	12.6	-110.4	Clear	Faint Odor
9:10	5	200	19.67	0.26	7.71	0.48	2.11	0.65	13.4	-162.5	Clear	Faint Odor
9:15	5	200	19.69	0.52	7.73	0.48	0.93	0.59	13.2	-208.3	Clear	Faint Odor
9:20	5	200	19.71	0.78	7.81	0.47	0.13	0.61	13.4	-186.0	Clear	Faint Odor
9:25	5	200	19.70	1.04	7.84	0.47	0.46	0.58	13.2	-176.5	Clear	Faint Odor
9:30	5	200	19.70	1.30	7.87	0.46	1.10	0.52	13.2	-174.6	Clear	No Odor
9:35	5	200	19.70	1.56	7.87	0.45	2.34	0.52	12.9	-168.6	Clear	No Odor
9:40	5	200	19.70	1.82	7.88	0.45	0.02	0.51	12.7	-165.6	Clear	No Odor
9:45	5	200	19.70	2.08	7.91	0.45	0.02	0.50	13.0	-167.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite- W of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-15-61D		Date	2-13-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing NE at 8.1 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	88-93	Casing Diameter (in.)	2	Gallons in Well	11.15	
Static Water Level (ft-bmp)	25.12	Total Depth (ft-bmp)	93.73	Water Column (ft.)	68.61	Sample Method	Grab	
		Pump Intake (ft-bmp)	90.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.43					
Sample Time:	Label	9:43	Volume Purged	4.8 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	8:40						
	Purge End	9:45						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:41	0	300	26.15	0.00	7.58	0.94	19.00	0.67	12.4	-25.7	Clear	No Odor
8:46	5	300	27.77	0.40	7.51	0.91	5.95	0.44	11.1	-91.8	Clear	No Odor
8:51	5	300	28.39	0.80	7.61	0.93	19.80	0.50	11.9	-108.9	Clear	No Odor
8:56	5	300	30.00	1.20	7.59	0.92	24.30	0.56	12.8	-113.9	Clear	No Odor
9:01	5	300	31.54	1.60	7.56	0.90	11.70	0.50	12.9	-115.2	Clear	No Odor
9:06	5	300	32.50	2.00	7.27	0.84	3.70	0.63	11.1	-98.7	Clear	No Odor
9:11	5	300	33.41	2.40	7.55	0.87	7.02	0.72	12.9	-113.1	Clear	No Odor
9:16	5	300	34.82	2.80	7.57	0.87	7.01	0.62	13.3	-114.6	Clear	No Odor
9:21	5	300	35.96	3.20	7.57	0.89	1.59	0.56	11.3	-114.3	Clear	No Odor
9:26	5	300	37.10	3.60	7.56	0.88	4.66	0.49	11.6	-115.4	Clear	No Odor
9:31	5	300	38.73	4.00	7.54	0.88	2.95	0.42	11.9	-115.3	Clear	No Odor
9:36	5	300	40.12	4.40	7.49	0.86	4.85	0.36	13.1	-112.0	Clear	No Odor
9:41	5	300	41.76	4.80	7.51	0.86	2.22	0.35	12.8	-112.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	Sunken sand pack		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite: East of property	Well Locked at Arrival:	n/a	
Condition of Well:	Broken thread tabs,Poor	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-18		Date	2-19-21	
Project Name/Location	Ford LTP		Weather	23.0 degrees F and Mostly Cloudy. The wind is blowing W at 10.3 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	13-18	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.63	Total Depth (ft-bmp)	17.90	Water Column (ft.)	10.27	Gallons in Well	1.67	
		Pump Intake (ft-bmp)	15.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.44					
Sample Time:	Label	14:00	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	12:56					Xenia Chan	
	Purge End	14:05						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:57	0	150	7.81	0.00	6.84	33.35	113.00	1.61	9.6	76.1	Cloudy	No Odor
13:02	5	150	7.63	0.20	6.81	33.29	97.90	1.09	9.0	62.3	Cloudy	No Odor
13:07	5	150	7.65	0.40	6.81	32.88	77.50	1.02	8.8	47.4	Cloudy	No Odor
13:12	5	150	7.65	0.60	6.82	32.32	61.10	0.80	8.7	24.4	Cloudy	No Odor
13:17	5	150	7.65	0.80	6.82	31.19	51.80	0.69	8.6	15.7	Cloudy	No Odor
13:22	5	150	7.65	1.00	6.83	29.84	45.50	0.55	8.8	7.9	Cloudy	No Odor
13:27	5	150	7.65	1.20	6.84	28.43	37.00	0.47	9.3	-1.0	Cloudy	No Odor
13:32	5	150	7.65	1.40	6.84	26.32	32.60	0.22	10.5	-9.1	Cloudy	No Odor
13:37	5	150	7.65	1.60	6.85	25.21	30.90	0.02	10.5	-16.7	Cloudy	No Odor
13:42	5	150	7.65	1.80	6.85	24.10	25.20	0.02	10.6	-24.2	Clear	No Odor
13:47	5	150	7.65	2.00	6.86	23.15	23.00	0.02	10.8	-31.6	Clear	No Odor
13:52	5	150	7.65	2.20	6.86	22.32	18.90	0.02	10.8	-38.3	Clear	No Odor
13:57	5	150	7.65	2.40	6.86	21.49	15.40	0.02	10.9	-43.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	SE of property	Well Locked at Arrival:	n/a		
Condition of Well:	Good	Well Locked at Departure:	n/a		
Well Completion:	Flush mount	Lock Functioning:	n/a		

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-19			Date	2-9-21
Project Name/Location	Ford LTP		Weather			23.0 degrees F.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	6.38	Total Depth (ft-bmp)	20.00	Water Column (ft.)	13.62	Gallons in Well	2.21
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.35				
Sample Time:	Label	13:57	Volume Purged	0.78 gallons	Replicate/Code No.	DUP-05	Sampled by
	Purge Start	13:22					Kara Donahue
	Purge End	14:04					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
				6" = 1.47

Well Information

Well Location:	East of property	Well Locked at Arrival:	n/a
Condition of Well:	Fair	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-20		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	25.0 degrees F and Cloudy. The wind is blowing NE at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	13.5-18.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.45	Total Depth (ft-bmp)	14.98	Water Column (ft.)	7.53	Gallons in Well	1.22	
		Pump Intake (ft-bmp)	14.00	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.97					
Sample Time:	Label	15:33	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	14:29					Xenia Chan	
	Purge End	15:37						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:31	0	150	7.50	0.00	7.29	3.98	34.20	3.22	10.6	-44.9	Clear	No Odor
14:36	5	150	7.50	0.20	7.22	3.91	25.30	1.96	10.3	-44.2	Clear	No Odor
14:41	5	150	7.50	0.40	7.22	4.00	14.50	1.01	11.1	-44.0	Clear	No Odor
14:46	5	150	7.50	0.60	7.25	4.34	9.73	0.58	11.3	-47.7	Clear	No Odor
14:51	5	150	7.50	0.80	7.26	4.81	6.24	0.31	11.9	-52.4	Clear	No Odor
14:56	5	150	7.51	1.00	7.25	5.38	5.24	0.17	12.2	-57.0	Clear	No Odor
15:01	5	150	7.50	1.20	7.24	5.89	3.54	0.02	12.2	-61.5	Clear	No Odor
15:06	5	150	7.52	1.40	7.23	6.20	4.53	0.02	12.4	-65.8	Clear	No Odor
15:11	5	150	7.52	1.60	7.21	6.47	3.16	0.02	12.5	-69.4	Clear	No Odor
15:16	5	150	7.52	1.80	7.20	6.65	4.30	0.02	12.6	-73.0	Clear	No Odor
15:21	5	150	7.52	2.00	7.19	6.78	3.50	0.02	12.5	-76.2	Clear	No Odor
15:26	5	150	7.52	2.20	7.18	7.02	3.78	0.09	12.9	-79.5	Clear	No Odor
15:31	5	150	7.52	2.40	7.18	7.04	2.80	0.08	13.0	-82.1	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	SE of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-21		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	21.0 degrees F and Light Snow. The wind is blowing NE at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	13.5-18.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.86	Total Depth (ft-bmp)	17.40	Water Column (ft.)	9.54	Gallons in Well	1.55	
		Pump Intake (ft-bmp)	16.00	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.55					
Sample Time:	Label	13:56	Volume Purged	2.4 gallons	Replicate/Code No.	DUP-04	Sampled by	
	Purge Start	12:50					Xenia Chan	
	Purge End	14:02						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:53	0	150	8.08	0.00	7.73	3.19	19.50	5.78	8.7	23.4	Clear, Small White Particulates	No Odor
12:58	5	150	8.02	0.20	7.17	7.70	13.80	1.16	9.7	-5.0	Clear, Small White Particulates	No Odor
13:03	5	150	8.02	0.40	7.16	8.88	12.00	0.59	9.9	-34.2	Clear, Small White Particulates	No Odor
13:08	5	150	7.90	0.60	7.18	9.06	30.50	0.43	9.1	-53.2	Clear, Small White Particulates	No Odor
13:13	5	150	8.02	0.80	7.28	5.80	24.80	3.32	8.8	-58.3	Clear, Small White Particulates	No Odor
13:18	5	150	8.02	1.00	7.12	9.00	14.80	0.57	10.3	-56.5	Clear, Small White Particulates	No Odor
13:23	5	150	8.02	1.20	7.13	9.49	8.76	0.35	10.4	-63.6	Clear	No Odor
13:28	5	150	8.02	1.40	7.13	9.56	10.60	0.27	10.2	-69.9	Clear	No Odor
13:33	5	150	8.02	1.60	7.13	9.53	8.11	0.21	10.3	-72.7	Clear	No Odor
13:38	5	150	8.02	1.80	7.13	9.49	6.56	0.18	10.4	-75.3	Clear	No Odor
13:43	5	150	8.02	2.00	7.13	9.46	4.33	0.14	10.3	-77.9	Clear	No Odor
13:48	5	150	8.02	2.20	7.12	9.41	4.78	0.14	10.3	-79.4	Clear	No Odor
13:53	5	150	8.02	2.40	7.12	9.34	4.12	0.14	10.5	-80.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	SE of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-22			Date	2-10-21
Project Name/Location	Ford LTP		Weather		15.8 degrees F.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16.5-21.5	Casing Diameter (in.)	2	Well Material	
Static Water Level (ft-bmp)	8.19	Total Depth (ft-bmp)	20.45	Water Column (ft.)	12.26	Gallons in Well	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	0.70			Grab	
Sample Time:	Label	11:25	Volume Purged	1.4 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:44					Christina Weaver
	Purge End	11:33					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information		Well Location:		Well Locked at Arrival:	
Condition of Well:	Onsite North	Well Locked at Departure:			n/a
Well Completion:	Good	Lock Functioning:			n/a
	Flush mount				n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-23			Date	2-10-21
Project Name/Location	Ford LTP		Weather			15.8 degrees F.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.13	Total Depth (ft-bmp)	19.68	Water Column (ft.)	12.55	Gallons in Well	2.04
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.69				
Sample Time:	Label	12:38	Volume Purged	1.4 gallons	Replicate/Code No.	DUP-01	Sampled by
	Purge Start	11:57					Christina Weaver
	Purge End	12:49					

Chen

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes

<i>Gallons/Foot</i>	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Onsite North	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-24	Date	2-11-21
Project Name/Location	Ford LTP		Weather	10.4 degrees F. The wind is blowing N at 8.1 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19-24	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	10.41	Total Depth (ft-bmp)	23.72	Water Column (ft.)	13.31
		Pump Intake (ft-bmp)	21.50	Purge Method	Low-Flow
		Well Volumes Purged	0.72		
Sample Time:	Label	10:03	Volume Purged	1.56 gallons	Replicate/Code No.
	Purge Start	8:58			MW-24-MS_021121, MW-24-MSD_021121
	Purge End	10:12			Sampled by Kara Donahue

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:00	0	100	10.66	0.00	7.00	3.34	54.00	1.67	10.0	189.2	Clear, Small Orange Particulates	No Odor
9:05	5	100	10.66	0.13	7.00	3.34	28.00	0.72	10.4	145.6	Clear, Small Orange Particulates	No Odor
9:10	5	100	10.66	0.26	7.00	3.35	21.20	0.52	10.8	101.9	Clear, Small Orange Particulates	No Odor
9:15	5	100	10.67	0.39	7.01	3.35	18.80	0.42	10.7	69.9	Clear, Small Orange Particulates	No Odor
9:20	5	100	10.67	0.52	7.01	3.34	15.50	0.36	10.7	43.4	Clear, Small Orange Particulates	No Odor
9:25	5	100	10.63	0.65	7.01	3.33	13.20	0.36	10.2	20.5	Clear, Small Orange Particulates	No Odor
9:30	5	100	10.63	0.78	7.01	3.35	11.60	0.33	10.4	0.3	Clear, Small Orange Particulates	No Odor
9:35	5	100	10.63	0.91	7.01	3.35	11.50	0.29	10.2	-13.2	Clear	No Odor
9:40	5	100	10.63	1.04	7.02	3.34	10.20	0.31	10.3	-22.3	Clear	No Odor
9:45	5	100	10.63	1.17	7.02	3.34	9.72	0.28	10.1	-29.7	Clear	No Odor
9:50	5	100	10.63	1.30	7.02	3.34	9.46	0.26	10.2	-36.3	Clear	No Odor
9:55	5	100	10.63	1.43	7.02	3.34	9.04	0.23	9.8	-39.7	Clear	No Odor
10:00	5	100	10.54	1.56	7.03	3.27	8.52	0.46	9.2	-40.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	South of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-25		Date	3-1-21	
Project Name/Location	Ford LTP		Weather	36.0 degrees F and Cloudy/Windy. The wind is blowing W/NW at 21.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.33	Total Depth (ft-bmp)	20.51	Water Column (ft.)	14.18	Gallons in Well	2.30	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.68					
Sample Time:	Label	15:30	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	14:23					Kara Donahue	
	Purge End	15:33						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:25	0	100	6.55	0.00	7.19	8.97	18.30	4.89	12.4	-59.5	Clear, Small Orange Particulates	No Odor
14:30	5	100	6.51	0.13	7.20	9.10	10.40	3.87	11.8	-76.2	Clear, Small Orange Particulates	No Odor
14:35	5	100	6.50	0.26	7.19	9.13	8.09	3.16	11.6	-81.2	Clear, Small Orange Particulates	No Odor
14:40	5	100	6.51	0.39	7.19	9.14	8.65	2.55	11.8	-84.5	Clear, Small Orange Particulates	No Odor
14:45	5	100	6.51	0.52	7.19	9.11	6.94	2.08	12.2	-87.9	Clear, Small Orange Particulates	No Odor
14:50	5	100	6.53	0.65	7.19	9.16	3.46	1.84	12.2	-90.6	Clear	No Odor
14:55	5	100	6.53	0.78	7.20	9.20	1.55	1.55	12.0	-93.2	Clear	No Odor
15:00	5	100	6.53	0.91	7.20	9.21	0.64	1.33	12.0	-94.7	Clear	No Odor
15:05	5	100	6.53	1.04	7.20	9.23	0.02	1.15	12.0	-96.4	Clear	No Odor
15:10	5	100	6.53	1.17	7.21	9.25	0.02	1.04	12.0	-97.8	Clear	No Odor
15:15	5	100	6.54	1.30	7.21	9.27	0.02	0.90	12.1	-99.2	Clear	No Odor
15:20	5	100	6.54	1.43	7.21	9.25	0.02	0.78	12.3	-100.1	Clear	No Odor
15:25	5	100	6.55	1.56	7.21	9.30	0.02	0.71	12.1	-100.4	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	W/SW of plant.	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-29		Date	2-9-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing N at 5.8 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-15	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	5.38	Total Depth (ft-bmp)	14.74	Water Column (ft.)	9.36	Gallons in Well	1.52	
		Pump Intake (ft-bmp)	10.00	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.03					
Sample Time:	Label	12:19	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	11:13						
	Purge End	12:22						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:15	0	100	5.42	0.00	7.25	12.70	6.28	1.70	6.6	93.1	Clear	No Odor
11:20	5	100	5.42	0.13	7.25	12.62	2.07	1.34	6.2	78.8	Clear	No Odor
11:25	5	100	5.42	0.26	7.26	12.20	2.00	1.29	7.0	61.2	Clear	No Odor
11:30	5	100	5.44	0.39	7.25	12.71	0.41	2.08	7.7	48.9	Clear	No Odor
11:35	5	100	5.44	0.52	7.25	12.63	0.02	1.55	8.3	33.3	Clear	No Odor
11:40	5	100	5.44	0.65	7.24	12.78	0.02	1.47	8.1	22.9	Clear	No Odor
11:45	5	100	5.44	0.78	7.24	12.52	0.02	1.36	8.0	10.4	Clear	No Odor
11:50	5	100	5.44	0.91	7.24	12.55	0.02	1.32	8.5	2.4	Clear	No Odor
11:55	5	100	5.44	1.04	7.24	12.53	0.02	1.24	8.8	-4.7	Clear	No Odor
12:00	5	100	5.44	1.17	7.24	12.21	0.02	1.26	8.4	-11.4	Clear	No Odor
12:05	5	100	5.44	1.30	7.24	12.54	0.02	1.18	8.4	-16.3	Clear	No Odor
12:10	5	100	5.44	1.43	7.24	12.48	0.02	1.14	8.2	-19.0	Clear	No Odor
12:15	5	100	5.43	1.56	7.24	12.47	0.02	1.46	8.4	-22.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	NE of property	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-30		Date	2-13-21	
Project Name/Location	Ford LTP		Weather	18.0 degrees F. The wind is blowing NE at 11.5 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19-24	Casing Diameter (in.)	2	Gallons in Well	2.27	
Static Water Level (ft-bmp)	10.60	Total Depth (ft-bmp)	24.60	Water Column (ft.)	14.00	Sample Method	Grab	
		Pump Intake (ft-bmp)	21.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.06					
Sample Time:	Label	14:20	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	13:16						
	Purge End	14:25						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:20	0	150	11.26	0.00	7.26	5.12	24.80	9.89	8.2	-7.2	Clear	No Odor
13:25	5	150	11.35	0.20	7.22	5.11	33.00	9.11	8.4	-40.4	Clear, Small Orange Particulates	No Odor
13:30	5	150	11.43	0.40	7.18	5.13	33.40	8.77	8.9	-63.2	Clear, Small Orange Particulates	No Odor
13:35	5	150	11.47	0.60	7.17	5.11	28.40	8.17	9.3	-77.2	Clear, Small Orange Particulates	No Odor
13:40	5	150	11.50	0.80	7.16	5.07	25.20	7.95	9.5	-84.0	Clear, Small Orange Particulates	No Odor
13:45	5	150	11.53	1.00	7.16	5.05	21.90	7.74	9.6	-88.5	Clear, Small Orange Particulates	No Odor
13:50	5	150	11.55	1.20	7.16	5.04	22.20	7.55	9.9	-93.0	Clear, Small Orange Particulates	No Odor
13:55	5	150	11.57	1.40	7.18	5.10	14.90	6.55	8.6	-97.3	Clear	No Odor
14:00	5	150	11.59	1.60	7.17	5.04	15.80	6.43	8.4	-100.0	Clear, Small Orange Particulates	No Odor
14:05	5	150	11.60	1.80	7.17	4.96	13.60	5.53	9.9	-106.3	Clear, Small Orange Particulates	No Odor
14:10	5	150	11.62	2.00	7.17	4.97	9.46	5.08	10.0	-107.8	Clear	No Odor
14:15	5	150	11.62	2.20	7.19	5.08	12.30	5.91	8.3	-110.5	Clear, Small Orange Particulates	No Odor
14:20	5	150	11.62	2.40	7.21	4.97	12.30	4.91	8.1	-109.1	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite East	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-31		Date	2-13-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing NE at 6.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	17-22	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	10.80	Total Depth (ft-bmp)	21.70	Water Column (ft.)	10.90	Gallons in Well	1.77	
		Pump Intake (ft-bmp)	19.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.02					
Sample Time:	Label	11:30	Volume Purged	1.8 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	10:36					Emma Witherspoon	
	Purge End	11:34						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:40	0	150	10.69	0.00	7.22	12.50	3.39	0.97	7.4	-80.2	Clear	No Odor
10:45	5	150	10.90	0.20	7.09	12.48	2.18	0.46	8.2	-74.3	Clear	No Odor
10:50	5	150	10.90	0.40	7.06	12.23	0.97	0.52	8.4	-76.6	Clear	No Odor
10:55	5	150	10.90	0.60	7.05	12.23	0.02	0.46	8.6	-75.3	Clear	No Odor
11:00	5	150	10.90	0.80	7.04	12.27	0.02	0.30	8.9	-74.5	Clear	No Odor
11:05	5	150	10.90	1.00	7.03	12.25	0.02	0.24	8.9	-73.2	Clear	No Odor
11:10	5	150	10.90	1.20	7.03	12.09	0.02	0.18	9.3	-73.2	Clear	No Odor
11:15	5	150	10.90	1.40	7.03	12.05	0.02	0.15	9.6	-72.7	Clear	No Odor
11:20	5	150	10.90	1.60	7.03	12.01	0.02	0.16	9.6	-72.2	Clear	No Odor
11:25	5	150	10.90	1.80	7.02	11.96	0.02	0.13	9.6	-70.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite East	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-32		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	21.0 degrees F and Light Snow. The wind is blowing NE at 8.1 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	18-23	Casing Diameter (in.)	2	Gallons in Well	2.05	
Static Water Level (ft-bmp)	10.23	Total Depth (ft-bmp)	22.83	Water Column (ft.)	12.60	Sample Method	Grab	
		Pump Intake (ft-bmp)	20.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.11					
Sample Time:	Label	13:45	Volume Purged	2.28 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	12:47						
	Purge End	13:50						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:50	0	180	10.62	0.00	7.16	3.85	77.00	1.35	9.8	50.0	Clear, Yellow	No Odor
12:55	5	180	10.62	0.24	7.17	3.99	44.50	0.55	10.4	45.3	Clear, Yellow	No Odor
13:00	5	170	10.62	0.48	7.17	4.02	43.30	0.41	9.8	39.4	Clear	No Odor
13:05	5	170	10.61	0.70	7.17	4.02	31.10	0.26	10.2	18.8	Clear	No Odor
13:10	5	170	10.61	0.92	7.17	4.02	26.30	0.25	10.4	11.0	Clear	No Odor
13:15	5	180	10.61	1.14	7.18	4.10	18.10	0.18	10.3	-15.1	Clear	No Odor
13:20	5	170	10.61	1.38	7.18	4.13	12.40	0.23	10.1	-20.9	Clear	No Odor
13:25	5	170	10.61	1.60	7.18	4.15	10.40	0.23	10.0	-30.2	Clear	No Odor
13:30	5	170	10.61	1.82	7.18	4.19	6.24	0.17	10.2	-41.3	Clear	No Odor
13:35	5	180	10.61	2.04	7.18	4.24	6.10	0.17	10.1	-46.2	Clear	No Odor
13:40	5	170	10.61	2.28	7.18	4.27	5.93	0.15	10.1	-50.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite South	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	MW-33		Date	2-17-21	
Project Name/Location	Ford LTP		Weather	21.0 degrees F and Cloudy.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	14-19	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.03	Total Depth (ft-bmp)	18.72	Water Column (ft.)	9.69	Gallons in Well	1.57	
		Pump Intake (ft-bmp)	16.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.15					
Sample Time:	Label	15:42	Volume Purged	1.8 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	14:50						
	Purge End	15:50						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:53	0	150	9.27	0.00	7.14	3.07	83.00	1.23	5.1	21.8	Clear, Cloudy, Yellow	No Odor
14:58	5	150	9.19	0.20	7.12	3.10	99.40	0.25	9.1	27.6	Clear, Cloudy, Yellow	No Odor
15:03	5	150	9.19	0.40	7.12	3.11	66.90	0.25	8.9	33.1	Clear, Small Orange Particulates	No Odor
15:08	5	150	9.19	0.60	7.11	3.20	56.80	0.15	8.7	24.0	Clear	No Odor
15:13	5	150	9.19	0.80	7.11	3.25	44.00	0.12	8.9	13.9	Clear, Small Orange Particulates	No Odor
15:18	5	150	9.19	1.00	7.10	3.34	29.00	0.09	9.3	-18.4	Clear, Small Orange Particulates	No Odor
15:23	5	150	9.19	1.20	7.10	3.35	25.30	0.12	9.5	-21.9	Clear	No Odor
15:28	5	150	9.19	1.40	7.11	3.36	13.50	0.14	9.1	-29.9	Clear, Small Orange Particulates	No Odor
15:33	5	150	9.19	1.60	7.11	3.37	12.70	0.13	9.1	-33.6	Clear	No Odor
15:38	5	150	9.19	1.80	7.11	3.34	13.10	0.14	9.2	-39.6	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite: South	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-34		Date	2-13-21	
Project Name/Location	Ford LTP		Weather	19 degrees F and Overcast with Light Snow.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16.5-21.5	Casing Diameter (in.)	2	Gallons in Well	1.83	
Static Water Level (ft-bmp)	10.00	Total Depth (ft-bmp)	21.25	Water Column (ft.)	11.25	Sample Method	Grab	
		Pump Intake (ft-bmp)	19.00	Purge Method	Low-Flow			
		Well Volumes Purged	1.11					
Sample Time:	Label	14:41	Volume Purged	2.04 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	13:37						
	Purge End	14:56						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:40	0	125	10.60	0.00	7.28	11.15	15.00	2.52	12.0	14.2	Clear	No Odor
13:45	5	125	10.72	0.17	7.27	11.26	16.30	2.10	11.8	3.5	Clear	No Odor
13:50	5	125	10.73	0.34	7.26	11.29	16.10	1.79	11.8	-12.0	Clear	No Odor
13:55	5	125	10.75	0.51	7.27	11.31	16.20	1.60	11.9	-20.7	Clear	No Odor
14:00	5	125	10.75	0.68	7.26	11.28	13.10	1.43	11.9	-30.8	Clear	No Odor
14:05	5	125	10.80	0.85	7.24	11.27	13.50	1.24	12.0	-39.4	Clear	No Odor
14:10	5	125	10.83	1.02	7.24	11.22	11.90	1.20	12.0	-42.5	Clear	No Odor
14:15	5	125	10.85	1.19	7.24	11.15	10.40	1.15	12.2	-49.3	Clear	No Odor
14:20	5	125	10.85	1.36	7.24	11.05	9.17	0.99	12.2	-53.4	Clear	No Odor
14:25	5	125	10.85	1.53	7.24	10.90	6.35	0.90	12.3	-57.7	Clear	No Odor
14:30	5	125	10.85	1.70	7.24	10.91	5.63	0.88	12.2	-58.3	Clear	No Odor
14:35	5	125	10.85	1.87	7.24	10.82	5.17	0.79	12.3	-60.2	Clear	No Odor
14:40	5	125	10.85	2.04	7.24	10.78	5.54	0.68	12.2	-61.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite East	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-35		Date	2-13-21	
Project Name/Location	Ford LTP		Weather	19.4 degrees F. The wind is blowing NE at 8.1 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19.5-24.5	Casing Diameter (in.)	2	Gallons in Well	2.49	
Static Water Level (ft-bmp)	8.91	Total Depth (ft-bmp)	24.24	Water Column (ft.)	15.33	Sample Method	Grab	
		Pump Intake (ft-bmp)	22.00	Purge Method	Low-Flow			
		Well Volumes Purged	0.96					
Sample Time:	Label	14:18	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	13:15						
	Purge End	14:21						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:16	0	150	9.50	0.00	8.18	1.86	18.60	0.36	12.4	-192.0	Clear	No Odor
13:21	5	150	9.91	0.20	7.94	1.84	63.20	0.18	12.3	-177.9	Clear	No Odor
13:26	5	150	9.95	0.40	7.81	1.82	93.30	0.11	11.9	-170.0	Clear, Small Black Particulates	No Odor
13:31	5	150	10.07	0.60	7.78	1.87	73.40	0.09	12.5	-170.0	Clear, Small White Particulates	No Odor
13:36	5	150	10.15	0.80	7.74	1.84	103.00	0.07	12.8	-168.9	Clear, Small White Particulates	No Odor
13:41	5	150	10.19	1.00	7.72	1.84	70.90	0.04	12.7	-168.7	Clear, Small White Particulates	No Odor
13:46	5	150	10.20	1.20	7.71	1.83	85.60	0.05	12.8	-168.3	Clear, Small White Particulates	No Odor
13:51	5	150	10.22	1.40	7.70	1.81	103.00	0.04	12.9	-167.9	Clear, Small White Particulates	No Odor
13:56	5	150	10.25	1.60	7.69	1.82	81.00	0.04	13.0	-167.3	Clear, Small White Particulates	No Odor
14:01	5	150	10.27	1.80	7.68	1.81	52.60	0.03	12.9	-167.0	Clear, Small White Particulates	No Odor
14:06	5	150	10.30	2.00	7.67	1.82	53.40	0.03	12.9	-166.7	Clear, Small White Particulates	No Odor
14:11	5	150	10.31	2.20	7.67	1.81	38.60	0.03	12.9	-166.8	Clear, Small White Particulates	No Odor
14:16	5	150	10.32	2.40	7.67	1.81	33.70	0.02	12.9	-166.9	Clear, Small White Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite; East of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-36		Date	2-12-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing NE at 6.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	20-25	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	10.05	Total Depth (ft-bmp)	24.75	Water Column (ft.)	14.70	Gallons in Well	2.39	
		Pump Intake (ft-bmp)	22.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.44					
Sample Time:	Label	11:18	Volume Purged	1.04 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	10:33						
	Purge End	11:21						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:35	0	100	10.45	0.00	7.50	7.28	17.70	4.16	9.5	-33.6	Clear	No Odor
10:40	5	100	10.47	0.13	7.34	8.25	13.30	1.40	7.9	-24.8	Clear	No Odor
10:45	5	100	10.52	0.26	7.33	8.26	11.90	1.05	9.7	-27.5	Clear, Small Orange Particulates	No Odor
10:50	5	100	10.53	0.39	7.34	8.32	9.81	0.94	10.2	-31.9	Clear	No Odor
10:55	5	100	10.53	0.52	7.33	8.35	8.69	0.93	10.2	-34.3	Clear	No Odor
11:00	5	100	10.53	0.65	7.33	8.39	9.84	0.78	10.0	-36.9	Clear	No Odor
11:05	5	100	10.53	0.78	7.33	8.45	6.70	0.75	9.9	-39.8	Clear	No Odor
11:10	5	100	10.52	0.91	7.32	8.49	6.30	0.73	9.8	-41.3	Clear	No Odor
11:15	5	100	10.52	1.04	7.32	8.49	6.60	0.72	9.8	-42.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite South	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-37			Date	2-17-21
Project Name/Location	Ford LTP		Weather		7.0 degrees F and Mostly Cloudy.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	18-23	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.55	Total Depth (ft-bmp)	22.69	Water Column (ft.)	14.14	Gallons in Well	2.30
		Pump Intake (ft-bmp)	20.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.73				
Sample Time:	Label	11:30	Volume Purged	1.68 gallons	Replicate/Code No.	MW-37-MS_021721, MW-37-MSD_021721	Sampled by
	Purge Start	10:45					Christina Weaver
	Purge End	11:45					

Cher
Mum

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL

Comments

Frozen dirt covered J plug and inside of vault. J plug tight on PVC

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Onsite; South	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-38			Date	2-17-21
Project Name/Location	Ford LTP		Weather		19.9 degrees F and Light Snow.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	9.05	Total Depth (ft-bmp)	19.51	Water Column (ft.)	10.46	Gallons in Well	1.70
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.71				
Sample Time:	Label	12:55	Volume Purged	1.21 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:20					Christina Weaver
	Purge End	13:00					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Onsite; South	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-39	Date	2-18-21			
Project Name/Location	Ford LTP			Weather	18.0 degrees F and Light Snow. The wind is blowing N/NE at 8.1 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19.5-24.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	11.79	Total Depth (ft-bmp)	24.19	Water Column (ft.)	12.40			
		Pump Intake (ft-bmp)	22.00	Purge Method	Low-Flow			
		Well Volumes Purged	0.64					
Sample Time:	Label	10:30	Volume Purged	1.28 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	9:45						
	Purge End	10:38						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:49	0	120	11.80	0.00	7.11	4.68	13.40	2.60	8.5	126.0	Clear	No Odor
9:54	5	120	11.80	0.16	7.16	4.52	8.13	2.02	10.4	103.4	Clear	No Odor
9:59	5	120	11.80	0.32	7.20	4.33	3.54	1.39	10.6	67.7	Clear	No Odor
10:04	5	120	11.80	0.48	7.21	4.25	3.29	1.23	10.7	55.6	Clear	No Odor
10:09	5	120	11.80	0.64	7.22	4.22	0.02	1.14	10.3	44.3	Clear	No Odor
10:14	5	120	11.80	0.80	7.22	4.19	0.02	1.08	10.2	36.5	Clear	No Odor
10:19	5	120	11.80	0.96	7.22	4.17	0.02	0.85	10.3	27.8	Clear	No Odor
10:24	5	120	11.80	1.12	7.22	4.14	0.02	0.89	10.3	21.0	Clear	No Odor
10:29	5	120	11.80	1.28	7.22	4.15	0.02	0.82	10.4	18.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite South	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	MW-40		Date	2-13-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing NE at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	10.50	Total Depth (ft-bmp)	19.60	Water Column (ft.)	9.10	Gallons in Well	1.48	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.49					
Sample Time:	Label	9:50	Volume Purged	2.2 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	8:43					Emma Witherspoon	
	Purge End	9:55						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:50	0	150	10.82	0.00	6.98	14.94	30.90	1.59	10.9	-32.2	Clear	No Odor
8:55	5	150	10.78	0.20	6.98	14.80	17.70	1.25	11.0	-38.8	Clear	No Odor
9:00	5	150	10.78	0.40	6.98	14.79	15.10	1.14	11.0	-42.7	Clear	No Odor
9:05	5	150	10.78	0.60	6.98	14.76	11.20	1.03	11.1	-50.2	Clear	No Odor
9:10	5	150	10.78	0.80	6.98	14.63	7.94	0.86	11.5	-57.0	Clear	No Odor
9:15	5	150	10.78	1.00	6.97	14.67	7.75	0.76	11.4	-62.3	Clear	No Odor
9:20	5	150	10.78	1.20	6.97	14.68	5.24	0.71	11.3	-65.9	Clear	No Odor
9:25	5	150	10.78	1.40	6.97	14.62	4.86	0.58	11.5	-70.3	Clear	No Odor
9:30	5	150	10.78	1.60	6.97	14.60	3.24	0.52	11.4	-72.0	Clear	No Odor
9:35	5	150	10.78	1.80	6.97	14.68	3.40	0.42	11.6	-73.6	Clear	No Odor
9:40	5	150	10.78	2.00	6.97	14.55	2.43	0.38	11.6	-75.9	Clear	No Odor
9:45	5	150	10.78	2.20	6.97	14.52	1.98	0.29	11.6	-77.6	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite South East	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	MW-41		Date	2-13-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing NE at 6.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	10.01	Total Depth (ft-bmp)	20.79	Water Column (ft.)	10.78	Gallons in Well	1.75	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.37					
Sample Time:	Label	11:26	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	10:23					Gary Schafer	
	Purge End	11:36						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:25	0	150	10.01	0.00	7.25	14.03	46.80	0.72	9.9	-49.6	Turbid	Faint Odor
10:30	5	150	10.14	0.20	7.25	13.97	44.60	0.61	10.1	-52.2	Turbid	Faint Odor
10:35	5	150	10.15	0.40	7.25	13.96	45.60	0.51	10.5	-54.9	Clear, Turbid	Faint Odor
10:40	5	150	10.15	0.60	7.25	13.92	42.00	0.42	10.5	-57.8	Clear, Turbid	Faint Odor
10:45	5	150	10.15	0.80	7.25	13.89	40.80	0.41	10.7	-58.1	Clear, Turbid	Faint Odor
10:50	5	150	10.16	1.00	7.25	13.92	33.40	0.36	10.5	-60.0	Clear, Cloudy	Faint Odor
10:55	5	150	10.16	1.20	7.25	14.00	32.50	0.33	10.8	-62.1	Clear, Cloudy	Faint Odor
11:00	5	150	10.18	1.40	7.25	14.00	29.80	0.33	10.8	-63.1	Clear	Faint Odor
11:05	5	150	10.18	1.60	7.25	13.98	27.50	0.34	10.7	-64.0	Clear	Faint Odor
11:10	5	150	10.18	1.80	7.25	14.01	26.90	0.31	11.0	-63.9	Clear	No Odor
11:15	5	150	10.18	2.00	7.25	13.99	23.70	0.30	11.0	-65.2	Clear	Faint Odor
11:20	5	150	10.18	2.20	7.25	13.98	21.30	0.27	11.2	-65.8	Clear	Faint Odor
11:25	5	150	10.18	2.40	7.25	13.99	19.60	0.28	10.9	-67.4	Clear	Faint Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite East	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-42		Date	2-13-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing NE at 6.9 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Gallons in Well	1.75	
Static Water Level (ft-bmp)	9.65	Total Depth (ft-bmp)	20.44	Water Column (ft.)	10.79	Sample Method	Grab	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.91					
Sample Time:	Label	11:17	Volume Purged	1.6 gallons	Replicate/Code No.	MW-42-MS_021321, MW-42-MSD_021321	Sampled by	Julia McClafferty
	Purge Start	10:33						
	Purge End	11:24						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:34	0	150	9.83	0.00	7.64	20.98	5.18	1.89	12.6	-229.8	Clear	No Odor
10:39	5	150	9.79	0.20	7.28	21.04	6.44	0.75	10.9	-163.3	Clear	No Odor
10:44	5	150	9.80	0.40	7.20	20.55	6.06	0.58	11.1	-145.2	Clear	No Odor
10:49	5	150	9.80	0.60	7.16	20.06	6.08	0.95	11.6	-136.3	Clear	No Odor
10:54	5	150	9.80	0.80	7.15	19.89	4.00	0.22	11.2	-134.2	Clear	No Odor
10:59	5	150	9.80	1.00	7.14	19.57	3.58	0.22	11.3	-127.6	Clear	No Odor
11:04	5	150	9.80	1.20	7.17	19.27	0.02	0.25	11.7	-123.9	Clear	No Odor
11:09	5	150	9.80	1.40	7.17	19.02	0.02	0.23	11.6	-122.1	Clear	No Odor
11:14	5	150	9.80	1.60	7.17	18.81	0.02	0.25	11.6	-120.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite; East of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	MW-43		Date	2-13-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing NE at 6.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	17-22	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.82	Total Depth (ft-bmp)	21.74	Water Column (ft.)	12.92	Gallons in Well	2.10	
		Pump Intake (ft-bmp)	19.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.64					
Sample Time:	Label	11:45	Volume Purged	1.34 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	11:10					Christina Weaver	
	Purge End	11:50						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:11	0	180	9.06	0.00	7.23	12.56	54.00	11.65	10.1	-15.1	Clear, Yellow	No Odor
11:16	5	170	9.02	0.24	7.20	13.07	52.40	5.63	10.7	-57.5	Clear, Small Orange Particulates	No Odor
11:21	5	170	9.02	0.46	7.21	13.09	49.10	0.45	10.0	-66.1	Clear, Small Orange Particulates	No Odor
11:26	5	170	9.02	0.68	7.22	13.03	45.90	0.57	10.0	-75.0	Clear	No Odor
11:31	5	170	9.03	0.90	7.23	13.10	40.00	1.08	9.5	-80.0	Clear, Small Orange Particulates	No Odor
11:36	5	170	9.03	1.12	7.24	13.16	40.20	0.98	9.4	-82.1	Clear, Small Orange Particulates	No Odor
11:41	5	170	9.03	1.34	7.24	13.11	40.00	1.01	9.4	-85.1	Clear, Small Orange Particulates	No Odor
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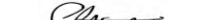
* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite East	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01	Well ID	MW-44			Date	2-9-21
Project Name/Location	Ford LTP		Weather		21.2 degrees F. The wind is blowing NW at 3.5 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	9.00	Total Depth (ft-bmp)	20.91	Water Column (ft.)	11.91	Gallons in Well	1.94
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.64				
Sample Time:	Label	13:30	Volume Purged	1.24 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:52					Christina Weaver
	Purge End	13:34					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	North of property	Well Locked at Arrival:	n/a
Condition of Well:	Broken thread tabs, Missing bolts	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-45		Date	2-12-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing NNE at 9.2 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	11.61	Total Depth (ft-bmp)	19.70	Water Column (ft.)	8.09	Gallons in Well	1.31	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.31					
Sample Time:	Label	11:50	Volume Purged	1.72 gallons	Replicate/Code No.	DUP-03	Sampled by	Christina Weaver
	Purge Start	11:03						
	Purge End	12:00						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:05	0	180	11.73	0.00	7.19	5.62	113.00	11.55	13.2	18.3	Cloudy, Small Orange Particulates	No Odor
11:10	5	170	11.69	0.24	7.15	5.42	43.40	10.09	13.1	1.5	Clear, Small Orange Particulates	No Odor
11:15	5	160	11.68	0.46	7.15	5.38	66.10	9.63	12.8	-20.1	Clear, Small Orange Particulates	No Odor
11:20	5	160	11.68	0.67	7.15	5.37	55.00	9.50	12.9	-24.3	Clear, Small Orange Particulates	No Odor
11:25	5	160	11.68	0.88	7.15	5.36	34.30	9.09	13.2	-33.6	Clear, Small Orange Particulates	No Odor
11:30	5	160	11.68	1.09	7.15	5.37	37.80	0.25	13.2	-40.8	Clear, Small Orange Particulates	No Odor
11:35	5	160	11.68	1.30	7.15	5.37	25.70	0.15	13.2	-45.2	Clear, Small Orange Particulates	No Odor
11:40	5	160	11.68	1.51	7.15	5.37	26.30	0.20	13.4	-50.4	Clear, Small Orange Particulates	No Odor
11:45	5	160	11.68	1.72	7.15	5.38	24.50	0.16	13.3	-54.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite; South of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-46	Date	2-18-21	
Project Name/Location	Ford LTP		Weather	25.0 degrees F and Cloudy. The wind is blowing NE at 8.1 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	
Static Water Level (ft-bmp)	11.14	Total Depth (ft-bmp)	19.65	Water Column (ft.)	8.51	
		Pump Intake (ft-bmp)	18.50	Gallons in Well	1.38	
		Well Volumes Purged	2.09	Purge Method	Low-Flow	
				Sample Method	Grab	
Sample Time:	Label	15:20	Volume Purged	2.88 gallons	Replicate/Code No.	--
	Purge Start	14:15			Sampled by	Christina Weaver
	Purge End	15:30				

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:18	0	180	11.61	0.00	7.33	40.23	66.20	8.80	10.4	62.3	Clear, Small Black Particulates	No Odor
14:23	5	180	11.78	0.24	7.37	35.51	44.80	9.20	10.9	56.4	Clear, Small Black Particulates	No Odor
14:28	5	180	11.79	0.48	7.40	29.06	43.00	1.75	10.7	40.3	Clear, Small Black Particulates	No Odor
14:33	5	180	11.79	0.72	7.41	28.45	35.30	0.78	10.5	28.8	Clear	No Odor
14:38	5	180	11.79	0.96	7.42	27.58	27.30	0.74	10.0	24.3	Clear, Small Black Particulates	No Odor
14:43	5	180	11.79	1.20	7.43	25.58	21.60	0.59	10.3	19.1	Clear, Small Black Particulates	No Odor
14:48	5	180	11.79	1.44	7.43	24.42	18.20	0.57	10.2	15.9	Clear, Small Black Particulates	No Odor
14:53	5	180	11.79	1.68	7.43	24.06	14.20	0.49	10.1	16.0	Clear, Small Black Particulates	No Odor
14:58	5	180	11.79	1.92	7.42	22.83	9.53	0.47	10.0	10.8	Clear, Small Black Particulates	No Odor
15:03	5	180	11.79	2.16	7.42	22.07	9.41	0.46	10.3	8.7	Clear	No Odor
15:08	5	180	11.79	2.40	7.41	21.55	8.76	0.44	10.2	6.3	Clear	No Odor
15:13	5	180	11.79	2.64	7.41	21.11	5.38	0.40	10.2	4.6	Clear	No Odor
15:18	5	180	11.79	2.88	7.41	20.59	4.89	0.35	10.2	3.2	Clear, Small Black Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite central west	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-47			Date	2-18-21
Project Name/Location	Ford LTP		Weather		25.0 degrees F and Light Snow. The wind is blowing N/NE at 9.2 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	10.70	Total Depth (ft-bmp)	19.99	Water Column (ft.)	9.29	Gallons in Well	1.51
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.95				
Sample Time:	Label	17:36	Volume Purged	1.44 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	17:00					Christina Weaver
	Purge End	17:42					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Onsite central west	Well Locked at Arrival:	n/a
Condition of Well:	Broken thread tabs,Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-48	Date	2-15-21	
Project Name/Location	Ford LTP		Weather	15.8 degrees F. The wind is blowing N at 11.5 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	17-22	Casing Diameter (in.)	2	
Static Water Level (ft-bmp)	10.32	Total Depth (ft-bmp)	20.25	Water Column (ft.)	9.93	
		Pump Intake (ft-bmp)	19.50	Gallons in Well	1.61	
		Well Volumes Purged	1.52	Purge Method	Low-Flow	
Sample Time:	Label	13:28	Volume Purged	2.44 gallons	Replicate/Code No.	--
	Purge Start	12:20			Sampled by	Christina Weaver
	Purge End	13:32				

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:25	0	170	10.81	0.00	7.30	59.17	86.10	0.68	7.3	161.3	Clear, Small Black Particulates	No Odor
12:30	5	170	10.79	0.22	7.26	59.06	125.00	0.38	7.6	139.2	Clear, Small Black Particulates	No Odor
12:35	5	150	10.75	0.44	7.30	58.01	106.00	0.29	7.3	102.2	Clear, Cloudy, Small Black Particulates	No Odor
12:40	5	150	10.72	0.64	7.31	55.90	65.90	0.30	7.4	72.8	Clear, Small Black Particulates	No Odor
12:45	5	150	10.72	0.84	7.32	52.60	50.70	0.27	7.5	46.7	Clear	No Odor
12:50	5	150	10.72	1.04	7.31	49.12	40.00	0.23	7.4	25.8	Clear, Small Black Particulates	No Odor
12:55	5	150	10.72	1.24	7.30	46.52	27.20	0.23	7.7	8.4	Clear, Small Black Particulates	No Odor
13:00	5	150	10.72	1.44	7.29	45.26	24.10	0.20	8.0	-1.0	Clear, Small Black Particulates	No Odor
13:05	5	150	10.72	1.64	7.28	43.82	23.90	0.17	8.0	-8.5	Clear, Small Black Particulates	No Odor
13:10	5	150	10.72	1.84	7.28	42.36	19.10	0.15	8.0	-13.4	Clear	No Odor
13:15	5	150	10.72	2.04	7.27	41.36	19.50	0.15	8.3	-17.1	Clear, Small Black Particulates	No Odor
13:20	5	150	10.72	2.24	7.27	40.46	18.80	0.41	8.0	-20.7	Clear, Small Black Particulates	No Odor
13:25	5	150	10.72	2.44	7.26	39.46	17.80	0.19	8.2	-23.1	Clear, Small Black Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite; Central West	Well Locked at Arrival:	n/a	
Condition of Well:	Good, Missing bolts	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-49		Date	2-19-21	
Project Name/Location	Ford LTP		Weather	15.1 degrees F and Fog/Mist. The wind is blowing W at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12.5-17.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.12	Total Depth (ft-bmp)	17.20	Water Column (ft.)	10.08	Gallons in Well	1.64	
		Pump Intake (ft-bmp)	15.00	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.46					
Sample Time:	Label	10:23	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	9:16						
	Purge End	10:26						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:19	0	150	7.21	0.00	6.86	8.12	240.00	1.44	9.7	100.3	Cloudy, Small Orange Particulates	No Odor
9:24	5	150	7.21	0.20	6.80	8.09	168.00	0.50	9.8	79.3	Cloudy, Small Orange Particulates	No Odor
9:29	5	150	7.21	0.40	6.80	8.02	136.00	0.31	10.1	58.6	Cloudy, Small Orange Particulates	No Odor
9:34	5	150	7.22	0.60	6.81	8.03	117.00	0.31	9.3	45.8	Cloudy, Small Orange Particulates	No Odor
9:39	5	150	7.22	0.80	6.82	7.88	119.00	0.13	10.5	25.6	Cloudy, Small Orange Particulates	No Odor
9:44	5	150	7.24	1.00	6.82	7.86	75.90	0.08	10.4	14.3	Cloudy	No Odor
9:49	5	150	7.24	1.20	6.83	7.68	67.20	0.03	10.8	0.5	Cloudy	No Odor
9:54	5	150	7.24	1.40	6.84	7.63	60.70	0.02	11.0	-7.9	Cloudy	No Odor
9:59	5	150	7.25	1.60	6.84	7.59	45.90	0.02	11.0	-17.5	Cloudy	No Odor
10:04	5	150	7.25	1.80	6.84	7.53	40.00	0.02	11.2	-26.7	Cloudy	No Odor
10:09	5	150	7.25	2.00	6.85	7.42	36.10	0.02	11.6	-33.5	Cloudy	No Odor
10:14	5	150	7.28	2.20	6.85	7.28	28.60	0.02	12.0	-42.1	Clear, Cloudy	No Odor
10:19	5	150	7.28	2.40	6.85	7.25	25.50	0.02	12.0	-49.1	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	SE of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-50			Date	2-11-21
Project Name/Location	Ford LTP		Weather		17.6 degrees F. The wind is blowing N at 6.9 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.73	Total Depth (ft-bmp)	18.82	Water Column (ft.)	10.09	Gallons in Well	1.64
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.94				
Sample Time:	Label	12:40	Volume Purged	1.54 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:00					Christina Weaver
	Purge End	12:48					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	North of property	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-51			Date	2-9-21
Project Name/Location	Ford LTP		Weather			19.4 degrees F. The wind is blowing NW at 8.1 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.32	Total Depth (ft-bmp)	18.90	Water Column (ft.)	10.58	Gallons in Well	1.72
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.81				
Sample Time:	Label	12:30	Volume Purged	1.39 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:40					Christina Weaver
	Purge End	12:34					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	North of property	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-52			Date	2-13-21
Project Name/Location	Ford LTP		Weather			17.6 degrees F. The wind is blowing NE at 6.9 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.88	Total Depth (ft-bmp)	19.75	Water Column (ft.)	10.87	Gallons in Well	1.77
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.99				
Sample Time:	Label	10:50	Volume Purged	1.75 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:04					Christina Weaver
	Purge End	10:55					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

<i>Gallons/Foot</i>	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Onsite East	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-53		Date	2-24-21	
Project Name/Location	Ford LTP		Weather	36.0 degrees F and Mostly Cloudy. The wind is blowing S at 11.4 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.76	Total Depth (ft-bmp)	20.81	Water Column (ft.)	12.05	Gallons in Well	1.96	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.22					
Sample Time:	Label	10:07	Volume Purged	2.4 gallons	Replicate/Code No.	MW-53-MS_022421, MW-53-MSD_022421	Sampled by	Xenia Chan
	Purge Start	8:58						
	Purge End	10:13						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:01	0	150	8.76	0.00	8.09	1.12	34.10	8.39	11.2	112.3	Clear	No Odor
9:06	5	150	8.71	0.20	7.43	3.12	23.50	4.34	10.5	136.7	Clear	No Odor
9:11	5	150	8.71	0.40	7.38	4.00	15.00	3.28	10.5	137.1	Clear	No Odor
9:16	5	150	8.71	0.60	7.37	4.49	13.90	2.82	10.5	136.0	Clear	No Odor
9:21	5	150	8.71	0.80	7.39	5.07	12.10	2.42	10.6	134.6	Clear	No Odor
9:26	5	150	8.71	1.00	7.41	5.26	12.10	2.31	10.7	124.6	Clear	No Odor
9:31	5	150	8.71	1.20	7.40	5.68	11.70	1.91	10.8	111.2	Clear	No Odor
9:36	5	150	8.71	1.40	7.41	5.82	11.50	1.84	10.6	96.3	Clear	No Odor
9:41	5	150	8.72	1.60	7.40	5.98	10.10	1.61	10.6	80.2	Clear	No Odor
9:46	5	150	8.71	1.80	7.39	6.21	9.79	1.22	10.6	67.1	Clear	No Odor
9:51	5	150	8.71	2.00	7.40	6.18	10.10	1.34	10.5	55.7	Clear	No Odor
9:56	5	150	8.71	2.20	7.40	6.38	9.88	1.17	10.4	46.3	Clear	No Odor
10:01	5	150	8.71	2.40	7.41	6.27	11.00	1.40	10.4	36.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	NE of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-54			Date	2-24-21
Project Name/Location	Ford LTP		Weather			44.1 degrees F and Mostly Clear.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	
Static Water Level (ft-bmp)	8.88	Total Depth (ft-bmp)	20.84	Water Column (ft.)	11.96	Gallons in Well	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	0.72			Grab	
Sample Time:	Label	11:27	Volume Purged	1.4 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:44					Xenia Chan
	Purge End	11:29					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	NE of property	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-54S		Date	2-24-21	
Project Name/Location	Ford LTP		Weather	45.0 degrees F and Mostly Clear.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	4.81	Total Depth (ft-bmp)	9.26	Water Column (ft.)	4.45	Gallons in Well	0.72	
		Pump Intake (ft-bmp)	6.31	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	3.33					
Sample Time:	Label	12:48	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	11:43						
	Purge End	12:50						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:44	0	150	4.72	0.00	8.23	1.12	142.00	10.50	5.6	-61.1	Cloudy	No Odor
11:49	5	150	4.71	0.20	8.02	0.58	159.00	8.86	52.0	-38.3	Cloudy	No Odor
11:54	5	150	4.72	0.40	7.99	0.42	159.00	8.96	5.0	-26.5	Cloudy	No Odor
11:59	5	150	4.72	0.60	8.03	0.38	162.00	9.08	4.9	-18.0	Cloudy	No Odor
12:04	5	150	4.73	0.80	8.05	0.38	144.00	9.25	4.8	-9.0	Cloudy	No Odor
12:09	5	150	4.73	1.00	8.07	0.36	135.00	9.14	4.8	-3.0	Cloudy	No Odor
12:14	5	150	4.72	1.20	8.10	0.37	114.00	9.47	4.8	4.0	Cloudy	No Odor
12:19	5	150	4.93	1.40	8.07	0.39	101.00	9.27	4.9	11.3	Cloudy	No Odor
12:24	5	150	5.01	1.60	8.03	0.41	80.80	9.02	5.2	17.7	Cloudy	No Odor
12:29	5	150	5.10	1.80	8.00	0.42	70.90	8.99	5.3	22.8	Cloudy	No Odor
12:34	5	150	5.20	2.00	7.99	0.43	63.10	8.99	5.4	26.8	Cloudy	No Odor
12:39	5	150	5.28	2.20	7.98	0.44	59.30	8.87	5.5	30.9	Cloudy	No Odor
12:44	5	150	5.39	2.40	7.96	0.43	69.20	8.76	5.6	33.9	Cloudy	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	NE of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-55		Date	2-25-21	
Project Name/Location	Ford LTP		Weather	24.1 degrees F and Clear. The wind is blowing W/NW at 4.7 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Gallons in Well	1.72	
Static Water Level (ft-bmp)	8.99	Total Depth (ft-bmp)	19.59	Water Column (ft.)	10.60	Sample Method	Grab	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.12					
Sample Time:	Label	9:38	Volume Purged	1.92 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	8:33						
	Purge End	9:42						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:34	0	120	8.99	0.00	7.29	1.51	143.00	1.82	11.6	132.6	Cloudy, Small Orange Particulates	No Odor
8:39	5	120	8.95	0.16	7.30	1.57	123.00	0.79	11.4	117.3	Cloudy, Small Orange Particulates	No Odor
8:44	5	120	8.95	0.32	7.32	1.61	96.50	0.44	11.5	107.3	Cloudy, Small Orange Particulates	No Odor
8:49	5	120	8.95	0.48	7.33	1.65	78.50	0.35	11.3	100.0	Cloudy, Small Orange Particulates	No Odor
8:54	5	120	8.95	0.64	7.34	1.66	80.95	0.24	10.7	92.9	Cloudy, Small Orange Particulates	No Odor
8:59	5	120	8.95	0.80	7.35	1.66	60.10	0.22	10.9	87.2	Cloudy, Small White Particulates	No Odor
9:04	5	120	8.95	0.96	7.36	1.68	45.30	0.20	11.0	81.9	Cloudy, Small White Particulates	No Odor
9:09	5	120	8.95	1.12	7.37	1.70	41.40	0.19	11.0	76.1	Cloudy, Small White Particulates	No Odor
9:14	5	120	8.95	1.28	7.38	1.72	35.90	0.17	10.8	70.2	Clear, Small Orange Particulates	No Odor
9:19	5	120	8.95	1.44	7.38	1.72	32.20	0.13	11.1	64.0	Clear, Small Orange Particulates	No Odor
9:24	5	120	8.95	1.60	7.39	1.73	28.70	0.14	11.0	58.1	Clear, Small Orange Particulates	No Odor
9:29	5	120	8.95	1.76	7.39	1.73	26.90	0.19	11.2	51.7	Clear, Small Orange Particulates	No Odor
9:34	5	120	8.95	1.92	7.40	1.74	22.50	0.13	11.3	45.4	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite; NE of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-55D		Date	2-25-21	
Project Name/Location	Ford LTP		Weather	27.0 degrees F and Clear. The wind is blowing W/NW at 4.7 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19-24	Casing Diameter (in.)	2	Gallons in Well	2.36	
Static Water Level (ft-bmp)	9.02	Total Depth (ft-bmp)	23.56	Water Column (ft.)	14.54	Sample Method	Grab	
		Pump Intake (ft-bmp)	21.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.61					
Sample Time:	Label	10:44	Volume Purged	1.45 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	9:53						
	Purge End	10:47						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:54	0	120	9.16	0.00	7.37	1.44	39.50	2.86	11.0	47.8	Clear	No Odor
9:59	5	120	9.19	0.17	7.30	1.39	29.70	0.72	12.0	38.3	Clear	No Odor
10:04	5	120	9.19	0.33	7.30	1.38	25.80	0.38	12.4	27.0	Clear	No Odor
10:09	5	120	9.21	0.49	7.30	1.37	24.20	0.24	12.6	15.0	Clear	No Odor
10:14	5	120	9.21	0.65	7.30	1.38	22.60	0.19	12.5	5.3	Clear	No Odor
10:19	5	120	9.21	0.81	7.31	1.38	19.30	0.14	12.5	-5.4	Clear	No Odor
10:24	5	120	9.21	0.97	7.31	1.37	19.00	0.14	12.7	-14.2	Clear	No Odor
10:29	5	120	9.19	1.13	7.31	1.38	18.10	0.15	12.6	-20.7	Clear	No Odor
10:34	5	120	9.20	1.29	7.31	1.38	19.00	0.13	12.6	-25.4	Clear	No Odor
10:39	5	120	9.20	1.45	7.31	1.38	17.90	0.10	12.9	-29.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite; NE of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-56		Date	2-25-21	
Project Name/Location	Ford LTP		Weather	30.0 degrees F and Clear. The wind is blowing NW at 3.4 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.39	Total Depth (ft-bmp)	20.33	Water Column (ft.)	11.94	Gallons in Well	1.94	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.99					
Sample Time:	Label	12:14	Volume Purged	1.92 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	11:09						
	Purge End	12:16						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:10	0	120	8.39	0.00	7.27	2.53	10.50	3.02	10.4	48.6	Clear	No Odor
11:15	5	120	8.29	0.16	7.19	3.76	13.20	0.92	10.7	25.9	Clear	No Odor
11:20	5	120	8.30	0.32	7.19	3.80	13.20	0.76	10.3	4.4	Clear	No Odor
11:25	5	120	8.31	0.48	7.19	3.96	14.10	0.53	10.5	-12.0	Clear	No Odor
11:30	5	120	8.31	0.64	7.19	2.24	9.78	0.47	10.4	-22.1	Clear	No Odor
11:35	5	120	8.30	0.80	7.20	2.23	10.50	0.37	10.4	-29.6	Clear	No Odor
11:40	5	120	8.30	0.96	7.20	2.23	14.20	0.32	10.4	-35.9	Clear	No Odor
11:45	5	120	8.30	1.12	7.20	2.23	12.60	0.30	10.4	-39.1	Clear	No Odor
11:50	5	120	8.30	1.28	7.20	2.23	11.80	0.24	10.4	-12.1	Clear	No Odor
11:55	5	120	8.30	1.44	7.21	2.23	12.70	0.20	10.4	-44.8	Clear	No Odor
12:00	5	120	8.30	1.60	7.21	2.23	12.60	0.19	10.5	-47.0	Clear	No Odor
12:05	5	120	8.30	1.76	7.21	2.23	12.10	0.13	10.4	-48.9	Clear	No Odor
12:10	5	120	8.30	1.92	7.21	2.23	11.80	0.15	10.5	-50.6	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite; NE of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-57		Date	2-25-21	
Project Name/Location	Ford LTP		Weather	37.0 degrees F and Mostly Clear. The wind is blowing W/SW at 11.4 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	17-22	Casing Diameter (in.)	2	Gallons in Well	2.20	
Static Water Level (ft-bmp)	8.16	Total Depth (ft-bmp)	21.69	Water Column (ft.)	13.53	Sample Method	Grab	
		Pump Intake (ft-bmp)	19.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.87					
Sample Time:	Label	14:14	Volume Purged	1.92 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	13:10						
	Purge End	14:18						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:11	0	120	8.49	0.00	12.26	0.22	30.10	8.36	11.7	-21.6	Clear	No Odor
13:16	5	120	8.63	0.16	12.22	0.22	23.50	7.33	11.5	-29.2	Clear	No Odor
13:21	5	120	8.70	0.32	12.09	0.22	18.00	6.30	11.5	-29.3	Clear	No Odor
13:26	5	120	8.75	0.48	12.04	0.22	16.40	5.06	11.6	-31.3	Clear	No Odor
13:31	5	120	8.75	0.64	11.90	0.22	13.60	4.06	11.7	-31.6	Clear	No Odor
13:36	5	120	8.78	0.80	11.83	0.22	12.20	3.47	11.8	-32.0	Clear	No Odor
13:41	5	120	8.80	0.96	11.73	0.22	13.30	3.12	11.8	-31.4	Clear	No Odor
13:46	5	120	8.52	1.12	11.68	0.22	11.80	2.47	11.8	-30.0	Clear	No Odor
13:51	5	120	8.70	1.28	11.59	0.22	9.20	2.01	11.8	-30.1	Clear	No Odor
13:56	5	120	8.75	1.44	11.51	0.22	9.66	1.67	11.8	-29.1	Clear	No Odor
14:01	5	120	8.82	1.60	11.40	0.22	9.37	1.42	12.0	-27.7	Clear	No Odor
14:06	5	120	8.85	1.76	11.27	0.22	8.29	1.14	11.9	-26.0	Clear	No Odor
14:11	5	120	8.89	1.92	11.15	0.21	7.74	1.05	12.1	-23.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite; NE of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-58		Date	2-25-21	
Project Name/Location	Ford LTP		Weather	27.0 degrees F and Clear. The wind is blowing W/NW at 4.7 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Gallons in Well	2.27	
Static Water Level (ft-bmp)	5.65	Total Depth (ft-bmp)	19.60	Water Column (ft.)	13.95	Sample Method	Grab	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.69					
Sample Time:	Label	11:00	Volume Purged	1.56 gallons	Replicate/Code No.	MW-58-MS_022521, MW-58-MSD_022521	Sampled by	Emma Witherspoon
	Purge Start	9:53						
	Purge End	11:10						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:55	0	100	5.85	0.00	6.98	7.83	68.80	0.48	11.3	-31.2	Cloudy, Small Orange Particulates	No Odor
10:00	5	100	5.75	0.13	7.00	7.85	108.00	0.39	11.5	-39.0	Cloudy, Small Black Particulates	No Odor
10:05	5	100	5.75	0.26	7.01	7.95	91.50	0.25	11.6	-54.1	Cloudy, Small Orange Particulates	No Odor
10:10	5	100	5.75	0.39	7.02	7.99	76.90	0.22	11.7	-59.6	Cloudy, Small Orange Particulates	No Odor
10:15	5	100	5.75	0.52	7.02	8.00	69.10	0.20	11.8	-68.1	Cloudy, Small Orange Particulates	No Odor
10:20	5	100	5.76	0.65	7.03	7.98	67.10	0.20	11.9	-77.0	Cloudy, Small Orange Particulates	No Odor
10:25	5	100	5.76	0.78	7.04	7.95	61.50	0.16	12.0	-86.0	Cloudy, Small Orange Particulates	No Odor
10:30	5	100	5.76	0.91	7.04	7.88	60.60	0.44	11.9	-78.5	Cloudy, Small Orange Particulates	No Odor
10:35	5	100	5.76	1.04	7.06	7.82	49.20	0.15	12.0	-84.8	Cloudy	No Odor
10:40	5	100	5.76	1.17	7.06	7.76	48.70	0.09	12.1	-85.8	Cloudy	No Odor
10:45	5	100	5.76	1.30	7.07	7.72	37.90	0.09	12.2	-89.7	Cloudy	No Odor
10:50	5	100	5.76	1.43	7.07	7.67	38.00	0.08	12.2	-92.2	Cloudy	No Odor
10:55	5	100	5.76	1.56	7.08	7.55	32.50	0.09	12.3	-92.8	Cloudy	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite; N of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-62			Date	2-11-21
Project Name/Location	Ford LTP		Weather		19.4 degrees F. The wind is blowing N at 4.6 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	9.73	Total Depth (ft-bmp)	21.18	Water Column (ft.)	11.45	Gallons in Well	1.86
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.72				
Sample Time:	Label	13:55	Volume Purged	1.34 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:20					Christina Weaver
	Purge End	14:02					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	North of property	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-63			Date	2-11-21
Project Name/Location	Ford LTP		Weather		23.0 degrees F and Partly Cloudy.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	9.01	Total Depth (ft-bmp)	11.80	Water Column (ft.)	2.79	Gallons in Well	0.45
		Pump Intake (ft-bmp)	9.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	2.89				
Sample Time:	Label	15:10	Volume Purged	1.3 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:35					Christina Weaver
	Purge End	15:15					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	North of property	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-65			Date	2-9-21
Project Name/Location	Ford LTP		Weather		19.4 degrees F. The wind is blowing S/SW at 4.6 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	10.30	Total Depth (ft-bmp)	21.80	Water Column (ft.)	11.50	Gallons in Well	1.87
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.64				
Sample Time:	Label	14:35	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:55					Christina Weaver
	Purge End	14:41					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	North of property	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-66		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	10.4 degrees F.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.28	Total Depth (ft-bmp)	18.98	Water Column (ft.)	10.70	Gallons in Well	1.74	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.10					
Sample Time:	Label	10:00	Volume Purged	1.92 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	9:16						
	Purge End	10:08						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:17	0	185	8.41	0.00	7.50	5.04	42.60	0.98	9.6	-57.7	Clear	No Odor
9:22	5	185	8.41	0.24	7.50	5.01	40.00	0.57	9.9	-100.2	Clear	No Odor
9:27	5	180	8.41	0.48	7.51	5.02	39.80	0.25	10.0	-113.1	Clear	No Odor
9:32	5	180	8.41	0.72	7.51	5.04	33.60	0.23	10.0	-120.5	Clear	No Odor
9:37	5	180	8.41	0.96	7.51	5.05	29.90	0.21	9.4	-124.5	Clear	No Odor
9:42	5	180	8.41	1.20	7.51	5.02	28.10	0.17	9.3	-126.2	Clear	No Odor
9:47	5	180	8.41	1.44	7.50	5.03	21.20	0.18	9.6	-128.4	Clear	No Odor
9:52	5	180	8.41	1.68	7.50	5.04	20.90	0.17	9.5	-129.8	Clear	No Odor
9:57	5	180	8.41	1.92	7.49	5.01	19.80	0.14	9.7	-130.7	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite North	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-67			Date	2-15-21
Project Name/Location	Ford LTP		Weather		17.6 degrees F. The wind is blowing N at 12.7 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-14	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	10.24	Total Depth (ft-bmp)	14.02	Water Column (ft.)	3.78	Gallons in Well	0.61
		Pump Intake (ft-bmp)	11.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.98				
Sample Time:	Label	14:45	Volume Purged	1.21 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:09					Christina Weaver
	Purge End	14:50					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Onsite; Central West	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-68		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	25.0 degrees F and Cloudy. The wind is blowing NE at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	10.04	Total Depth (ft-bmp)	19.81	Water Column (ft.)	9.77	Gallons in Well	1.59	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.91					
Sample Time:	Label	16:45	Volume Purged	1.44 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	16:10					Christina Weaver	
	Purge End	16:50						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
16:12	0	180	10.09	0.00	7.90	4.60	2.40	6.36	7.1	9.3	Clear	No Odor
16:17	5	180	10.09	0.24	7.66	5.76	0.02	1.01	9.8	16.2	Clear	No Odor
16:22	5	180	10.09	0.48	7.62	6.23	0.02	0.29	10.3	15.7	Clear	No Odor
16:27	5	180	10.09	0.72	7.61	6.26	0.02	0.23	10.5	15.8	Clear	No Odor
16:32	5	180	10.09	0.96	7.61	6.39	0.02	0.22	10.2	16.8	Clear	No Odor
16:37	5	180	10.09	1.20	7.61	6.40	0.02	0.16	10.5	18.2	Clear	No Odor
16:42	5	180	10.09	1.44	7.60	6.46	0.02	0.15	10.4	19.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite central west	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-69			Date	2-12-21
Project Name/Location	Ford LTP		Weather			15.8 degrees F. The wind is blowing NE at 6.9 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	10.18	Total Depth (ft-bmp)	19.90	Water Column (ft.)	9.72	Gallons in Well	1.58
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.89				
Sample Time:	Label	9:15	Volume Purged	1.4 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	8:33					Christina Weaver
	Purge End	9:20					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Onsite; East of property	Well Locked at Arrival:	n/a
Condition of Well:	Broken thread tabs, Missing bolts	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-70			Date	2-12-21
Project Name/Location	Ford LTP		Weather		19.0 degrees F. The wind is blowing N at 8.1 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	11.93	Total Depth (ft-bmp)	20.10	Water Column (ft.)	8.17	Gallons in Well	1.33
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.01				
Sample Time:	Label	12:58	Volume Purged	1.34 gallons	Replicate/Code No.	DUP-02	Sampled by
	Purge Start	12:22					Christina Weaver
	Purge End	13:09					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL

Comments

One tab out of two broken

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Onsite ; South of property	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-71			Date	2-12-21
Project Name/Location	Ford LTP		Weather			15.8 degrees F. The wind is blowing NE at 8.1 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	12.71	Total Depth (ft-bmp)	20.15	Water Column (ft.)	7.44	Gallons in Well	1.21
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.19				
Sample Time:	Label	10:25	Volume Purged	1.44 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:45					Christina Weaver
	Purge End	10:30					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments

Thread tabs are stripped but bolts still barely hold on lid

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Onsite: South of property	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-113		Date	2-9-21	
Project Name/Location	Ford LTP		Weather	12.2 degrees F. The wind is blowing N at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	5.17	Total Depth (ft-bmp)	9.55	Water Column (ft.)	4.38	Gallons in Well	0.71	
		Pump Intake (ft-bmp)	7.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.28					
Sample Time:	Label	10:11	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	9:26						
	Purge End	10:15						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:30	0	100	5.19	0.00	7.80	3.62	9.57	12.70	6.7	196.9	Clear	No Odor
9:35	5	100	5.19	0.13	7.64	3.57	2.26	11.56	6.5	164.9	Clear	No Odor
9:40	5	100	5.19	0.26	7.59	3.56	1.26	11.46	6.6	137.6	Clear	No Odor
9:45	5	100	5.20	0.39	7.57	3.54	0.02	11.36	6.6	118.8	Clear	No Odor
9:50	5	100	5.20	0.52	7.56	3.48	0.02	11.12	6.9	104.0	Clear	No Odor
9:55	5	100	5.20	0.65	7.55	3.43	0.02	11.26	6.9	97.4	Clear	No Odor
10:00	5	100	5.20	0.78	7.55	3.42	0.02	11.52	6.7	92.5	Clear	No Odor
10:05	5	100	5.20	0.91	7.55	3.39	0.02	11.42	6.9	89.7	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	North of property	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-120	Date	2-13-21
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing NE at 9.2 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	6.55	Total Depth (ft-bmp)	11.73	Water Column (ft.)	5.18
		Pump Intake (ft-bmp)	9.50	Purge Method	Low-Flow
		Well Volumes Purged	1.90		
Sample Time:	Label	9:30	Volume Purged	1.6 gallons	Replicate/Code No.
	Purge Start	8:45			--
	Purge End	9:35			
				Sampled by	Christina Weaver

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:47	0	150	6.58	0.00	7.14	1.21	60.00	1.02	5.9	115.0	Clear, Small Orange Particulates	No Odor
8:52	5	150	6.58	0.20	7.28	1.20	43.30	0.48	5.7	110.0	Clear, Small Orange Particulates	No Odor
8:57	5	150	6.58	0.40	7.28	1.26	22.80	0.38	58.0	101.6	Clear	No Odor
9:02	5	150	6.58	0.60	7.28	1.25	20.80	0.36	5.9	97.2	Clear	No Odor
9:07	5	150	6.58	0.80	7.28	1.27	12.00	0.32	6.1	92.6	Clear	No Odor
9:12	5	150	6.58	1.00	7.28	1.27	12.70	0.34	6.3	86.6	Clear	No Odor
9:17	5	150	5.58	1.20	7.28	1.28	11.10	0.32	6.2	81.6	Clear	No Odor
9:22	5	150	5.58	1.40	7.28	1.27	10.60	0.32	6.2	75.7	Clear	No Odor
9:27	5	150	5.58	1.60	7.28	1.27	10.30	0.33	6.1	71.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite North	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-122		Date	2-24-21	
Project Name/Location	Ford LTP		Weather	48.0 degrees F and Partly Cloudy and Windy. The wind is blowing W/SW at 21.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.96	Total Depth (ft-bmp)	21.20	Water Column (ft.)	11.24	Gallons in Well	1.83	
		Pump Intake (ft-bmp)	18.00	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.31					
Sample Time:	Label	14:35	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	13:25					Xenia Chan	
	Purge End	14:37						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:27	0	150	10.03	0.00	7.39	7.92	21.60	4.16	11.8	112.0	Clear	No Odor
13:32	5	150	10.00	0.20	7.24	9.78	19.90	0.85	12.4	55.7	Clear	No Odor
13:37	5	150	10.00	0.40	7.24	10.43	18.60	0.37	12.4	-14.9	Clear	No Odor
13:42	5	150	10.00	0.60	7.25	10.72	12.00	0.29	12.5	-44.0	Clear	No Odor
13:47	5	150	10.00	0.80	7.25	11.03	11.10	0.22	12.5	-53.7	Clear	No Odor
13:52	5	150	10.00	1.00	7.25	11.22	9.30	0.19	12.6	-59.0	Clear	No Odor
13:57	5	150	10.00	1.20	7.25	11.42	9.42	0.13	12.7	-63.0	Clear	No Odor
14:02	5	150	10.00	1.40	7.25	11.65	9.09	0.10	12.7	-65.2	Clear	No Odor
14:07	5	150	10.00	1.60	7.25	11.92	9.12	0.11	12.9	-66.9	Clear	No Odor
14:12	5	150	10.00	1.80	7.25	12.10	9.24	0.08	13.0	-68.7	Clear	No Odor
14:17	5	150	10.00	2.00	7.26	12.36	9.09	0.09	13.0	-69.7	Clear	No Odor
14:22	5	150	10.00	2.20	7.26	12.59	7.56	0.09	13.0	-70.6	Clear	No Odor
14:27	5	150	10.00	2.40	7.26	12.70	9.56	0.07	13.0	-71.4	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	NE of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-124		Date	2-11-21	
Project Name/Location	Ford LTP		Weather	17.1 degrees F and Partly Cloudy. The wind is blowing N at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	2.21	Total Depth (ft-bmp)	9.59	Water Column (ft.)	7.38	Gallons in Well	1.20	
		Pump Intake (ft-bmp)	7.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.30					
Sample Time:	Label	12:33	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	11:26						
	Purge End	12:36						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:30	0	100	2.24	0.00	7.31	0.94	29.20	11.87	6.0	-30.0	Clear, Small Orange Particulates	No Odor
11:35	5	100	2.23	0.13	7.28	0.90	13.80	11.32	4.9	-25.6	Clear, Small Orange Particulates	No Odor
11:40	5	100	2.23	0.26	7.27	0.89	9.76	10.93	5.1	-24.6	Clear, Small Orange Particulates	No Odor
11:45	5	100	2.23	0.39	7.26	0.89	7.70	8.75	5.2	-23.9	Clear, Small Orange Particulates	No Odor
11:50	5	100	2.23	0.52	7.26	0.88	6.12	8.66	4.8	-23.1	Clear, Small Orange Particulates	No Odor
11:55	5	100	2.23	0.65	7.25	0.88	5.65	8.28	4.8	-22.8	Clear, Small Orange Particulates	No Odor
12:00	5	100	2.23	0.78	7.25	0.88	6.25	7.82	4.8	-22.6	Clear, Small Orange Particulates	No Odor
12:05	5	100	2.23	0.91	7.25	0.87	3.94	7.50	4.9	-22.3	Clear, Small Orange Particulates	No Odor
12:10	5	100	2.23	1.04	7.25	0.87	4.68	7.30	4.9	-22.1	Clear, Small Orange Particulates	No Odor
12:15	5	100	2.23	1.17	7.24	0.87	5.91	6.94	4.9	-22.1	Clear, Small Orange Particulates	No Odor
12:20	5	100	2.23	1.30	7.23	0.86	4.55	0.30	4.9	-22.0	Clear, Small Orange Particulates	No Odor
12:25	5	100	2.23	1.43	7.23	0.86	3.56	0.33	4.9	-22.4	Clear, Small Orange Particulates	No Odor
12:30	5	100	2.25	1.56	7.23	0.85	3.44	0.40	5.0	-23.2	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	North of property	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-194		Date	2-17-21	
Project Name/Location	Ford LTP		Weather	5.0 degrees F.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2	Gallons in Well	2.08	
Static Water Level (ft-bmp)	3.34	Total Depth (ft-bmp)	16.12	Water Column (ft.)	12.78	Sample Method	Grab	
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.15					
Sample Time:	Label	11:28	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	10:22						
	Purge End	11:33						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:24	0	150	3.42	0.00	6.95	3.58	21.20	1.16	9.4	-16.1	Clear, Small Orange Particulates	No Odor
10:29	5	150	3.38	0.20	7.05	3.61	14.80	0.79	9.5	126.3	Clear, Small Orange Particulates	No Odor
10:34	5	150	3.36	0.40	7.10	3.62	10.90	0.58	9.6	100.0	Clear	No Odor
10:39	5	150	3.34	0.60	7.12	3.61	7.12	0.54	9.4	78.0	Clear	No Odor
10:44	5	150	3.36	0.80	7.15	3.59	3.65	0.47	9.6	63.8	Clear	No Odor
10:49	5	150	3.32	1.00	7.18	3.59	3.65	0.41	9.4	51.6	Clear	No Odor
10:54	5	150	3.34	1.20	7.19	3.58	2.98	0.37	9.4	42.7	Clear	No Odor
10:59	5	150	3.34	1.40	7.21	3.57	3.43	0.32	9.5	34.1	Clear	No Odor
11:04	5	150	3.34	1.60	7.23	3.55	2.65	0.25	9.6	27.1	Clear	No Odor
11:09	5	150	3.35	1.80	7.24	3.56	2.85	0.28	9.6	19.9	Clear	No Odor
11:14	5	150	3.34	2.00	7.25	3.55	2.85	0.24	10.0	10.5	Clear	No Odor
11:19	5	150	3.35	2.20	7.26	3.54	1.02	0.20	10.2	-1.0	Clear	No Odor
11:24	5	150	3.34	2.40	7.27	3.54	1.80	0.23	10.2	-12.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	West of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-194S			Date	2-17-21	
Project Name/Location	Ford LTP		Weather	12.9 degrees F and Mostly Cloudy. The wind is blowing S/SW at 3.4 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	3.45	Total Depth (ft-bmp)	6.48	Water Column (ft.)	3.03	Gallons in Well	0.49	
		Pump Intake (ft-bmp)	4.95	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.45					
Sample Time:	Label	12:30	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	11:54						
	Purge End	12:34						

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	West of property	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-195S		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	17.1 degrees F and Light Snow. The wind is blowing N/NE at 6.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	2.82	Total Depth (ft-bmp)	6.10	Water Column (ft.)	3.28	Gallons in Well	0.53	
		Pump Intake (ft-bmp)	4.32	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	4.53					
Sample Time:	Label	10:01	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	8:57					Xenia Chan	
	Purge End	10:05						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:58	0	150	2.82	0.00	7.16	6.92	3.32	0.99	7.7	206.1	Clear	No Odor
9:03	5	150	2.82	0.20	7.24	7.28	1.69	0.02	8.3	160.8	Clear	No Odor
9:08	5	150	2.82	0.40	7.25	7.26	0.75	0.02	8.3	140.2	Clear	No Odor
9:13	5	150	2.82	0.60	7.26	7.13	0.43	0.02	8.6	128.1	Clear	No Odor
9:18	5	150	2.82	0.80	7.28	6.95	0.95	0.02	8.4	118.7	Clear	No Odor
9:23	5	150	2.82	1.00	7.28	6.77	0.02	0.02	8.8	111.3	Clear	No Odor
9:28	5	150	2.82	1.20	7.28	6.56	0.02	0.02	8.8	104.4	Clear	No Odor
9:33	5	150	2.82	1.40	7.29	6.40	0.02	0.02	9.0	99.0	Clear	No Odor
9:38	5	150	2.82	1.60	7.29	6.26	0.02	0.02	9.2	93.4	Clear	No Odor
9:43	5	150	2.82	1.80	7.29	6.15	0.02	0.02	9.2	88.4	Clear	No Odor
9:48	5	150	2.82	2.00	7.30	6.03	0.02	0.02	9.4	83.0	Clear	No Odor
9:53	5	150	2.82	2.20	7.30	5.93	0.02	0.02	9.5	77.1	Clear	No Odor
9:58	5	150	2.82	2.40	7.30	5.83	0.02	0.02	9.6	71.1	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	West of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-196		Date	2-17-21	
Project Name/Location	Ford LTP		Weather	21.0 degrees F and Cloudy.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	3.25	Total Depth (ft-bmp)	17.13	Water Column (ft.)	13.88	Gallons in Well	2.26	
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.53					
Sample Time:	Label	15:20	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	14:42						
	Purge End	15:25						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:44	0	150	3.18	0.00	7.65	2.23	6.48	1.32	8.6	103.2	Clear	No Odor
14:49	5	150	3.20	0.20	7.58	2.19	2.09	1.01	9.3	-48.2	Clear	No Odor
14:54	5	150	3.20	0.40	7.54	2.19	0.47	1.22	9.6	-38.8	Clear	No Odor
14:59	5	150	3.20	0.60	7.51	2.20	0.02	1.07	8.9	-31.1	Clear	No Odor
15:04	5	150	3.20	0.80	7.50	2.19	0.02	1.02	8.8	-25.9	Clear	No Odor
15:09	5	150	3.20	1.00	7.48	2.19	0.02	0.98	8.9	-22.5	Clear	No Odor
15:14	5	150	3.20	1.20	7.47	2.19	0.02	0.93	9.0	-20.7	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	West of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-196S		Date	2-17-21	
Project Name/Location	Ford LTP		Weather	19.9 degrees F and Light Snow.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Gallons in Well	0.51	
Static Water Level (ft-bmp)	3.39	Total Depth (ft-bmp)	6.55	Water Column (ft.)	3.16	Sample Method	Grab	
		Pump Intake (ft-bmp)	4.89	Purge Method	Low-Flow			
		Well Volumes Purged	4.73					
Sample Time:	Label	14:26	Volume Purged	2.41 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	13:21						
	Purge End	14:30						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:23	0	150	3.50	0.00	7.57	2.66	40.20	2.65	6.5	38.1	Clear	No Odor
13:28	5	150	3.50	0.20	7.48	2.62	33.50	0.84	6.6	33.0	Clear	No Odor
13:33	5	150	3.50	0.40	7.47	2.61	25.00	0.59	6.4	31.8	Clear	No Odor
13:38	5	150	3.50	0.60	7.44	2.61	19.90	0.43	6.5	31.9	Clear	No Odor
13:43	5	150	3.50	0.80	7.43	2.62	15.00	0.39	6.5	32.2	Clear	No Odor
13:48	5	150	3.50	1.00	7.39	2.62	14.20	0.38	6.5	33.5	Clear	No Odor
13:53	5	150	3.50	1.20	7.39	2.63	10.20	0.35	6.3	32.7	Clear	No Odor
13:58	5	150	3.50	1.40	7.38	2.62	9.91	0.32	6.8	32.2	Clear	No Odor
14:03	5	150	3.50	1.60	7.39	2.63	6.43	0.18	6.7	30.7	Clear	No Odor
14:08	5	150	3.50	1.80	7.37	2.62	3.47	0.16	6.7	30.4	Clear	No Odor
14:13	5	150	3.50	2.01	7.34	2.66	1.20	0.09	7.0	28.4	Clear	No Odor
14:18	5	150	3.50	2.21	7.35	2.69	2.50	0.02	7.1	26.4	Clear	No Odor
14:23	5	150	3.50	2.41	7.33	2.73	1.18	0.02	7.1	24.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	West of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-197S		Date	3-1-21	
Project Name/Location	Ford LTP		Weather	37.0 degrees F and Partly Cloudy. The wind is blowing NW at 15.0 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2	Gallons in Well	0.30	
Static Water Level (ft-bmp)	5.52	Total Depth (ft-bmp)	7.38	Water Column (ft.)	1.86	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.02	Purge Method	Low-Flow			
		Well Volumes Purged	9.20					
Sample Time:	Label	14:02	Volume Purged	2.76 gallons		Replicate/Code No.	--	
	Purge Start	12:58				Sampled by	Allyson Hartz	
	Purge End	14:05						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:00	0	175	5.66	0.00	7.45	419.50	11.70	0.09	7.0	52.8	Clear	No Odor
13:05	5	175	5.66	0.23	7.34	416.60	16.70	0.08	7.1	52.4	Clear	No Odor
13:10	5	175	5.66	0.46	7.32	410.00	13.80	0.07	7.1	47.7	Clear	No Odor
13:15	5	175	5.66	0.69	7.33	412.70	10.90	0.07	6.9	42.9	Clear	No Odor
13:20	5	175	5.66	0.92	7.32	411.30	16.60	0.07	7.0	39.3	Clear	No Odor
13:25	5	175	5.66	1.15	7.32	407.60	12.10	0.07	7.0	34.9	Clear	No Odor
13:30	5	175	5.66	1.38	7.32	406.60	10.20	0.06	7.2	31.7	Clear	No Odor
13:35	5	175	5.66	1.61	7.32	406.70	8.50	0.06	7.0	29.4	Clear	No Odor
13:40	5	175	5.66	1.84	7.32	407.10	6.56	0.06	7.1	27.6	Clear	No Odor
13:45	5	175	5.66	2.07	7.31	411.20	6.68	0.06	7.1	26.4	Clear	No Odor
13:50	5	175	5.66	2.30	7.31	410.40	2.86	0.05	7.0	25.7	Clear	No Odor
13:55	5	175	5.66	2.53	7.29	412.60	4.93	0.05	7.1	25.9	Clear	No Odor
14:00	5	175	5.66	2.76	7.32	416.10	6.32	0.05	6.9	24.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	N of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-198			Date	2-19-21
Project Name/Location	Ford LTP		Weather	24.1 degrees F and Cloudy. The wind is blowing W/SW at 11.4 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	5.45	Total Depth (ft-bmp)	16.58	Water Column (ft.)	11.13	Gallons in Well	1.81
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.66				
Sample Time:	Label	15:13	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:38					Xenia Chan
	Purge End	15:17					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	NW of property	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01	Well ID	MW-198S			Date	2-18-21
Project Name/Location		Ford LTP	Weather			21.0 degrees F and Light Snow. The wind is blowing N/E at 10.3 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2	Well Material	
Static Water Level (ft-bmp)	5.45	Total Depth (ft-bmp)	7.12	Water Column (ft.)	1.67	Gallons in Well	
		Pump Intake (ft-bmp)	6.95	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	5.22			Grab	
Sample Time:	Label	11:45	Volume Purged	1.41 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:05					Xenia Chan
	Purge End	11:49					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Location:	North of property	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-199S		Date	3-1-21	
Project Name/Location	Ford LTP		Weather	35.1 degrees F and Partly Cloudy. The wind is blowing NW at 16.1 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Gallons in Well	0.56	
Static Water Level (ft-bmp)	2.40	Total Depth (ft-bmp)	5.83	Water Column (ft.)	3.43	Sample Method	Grab	
		Pump Intake (ft-bmp)	3.90	Purge Method	Low-Flow			
		Well Volumes Purged	4.11					
Sample Time:	Label	11:05	Volume Purged	2.3 gallons		Replicate/Code No.	--	
	Purge Start	10:09				Sampled by	Allyson Hartz	
	Purge End	11:08						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:10	0	175	2.25	0.00	7.44	267.20	30.10	2.68	4.4	180.2	Clear, Small Orange Particulates	No Odor
10:15	5	175	2.25	0.23	7.43	253.90	27.40	2.42	4.5	8.3	Clear, Small Orange Particulates	No Odor
10:20	5	175	2.25	0.46	7.46	249.50	23.70	2.46	4.6	-44.2	Clear, Small Orange Particulates	No Odor
10:25	5	175	2.25	0.69	7.51	246.30	20.10	2.86	4.8	-72.6	Clear, Small Orange Particulates	No Odor
10:30	5	175	2.25	0.92	7.52	247.40	20.20	2.48	4.8	-77.0	Clear, Small Orange Particulates	No Odor
10:35	5	175	2.25	1.15	7.54	245.10	16.30	2.54	4.6	-85.0	Clear, Small Orange Particulates	No Odor
10:40	5	175	2.30	1.38	7.56	244.90	10.20	2.42	4.6	-89.7	Clear, Small Orange Particulates	No Odor
10:45	5	175	2.30	1.61	7.59	244.20	9.86	2.41	4.7	-94.0	Clear, Small Orange Particulates	No Odor
10:50	5	175	2.30	1.84	7.59	244.50	8.87	2.40	4.7	-95.4	Clear, Small Orange Particulates	No Odor
10:55	5	175	2.30	2.07	7.59	244.60	8.97	2.37	4.6	-97.3	Clear, Small Orange Particulates	No Odor
11:00	5	175	2.30	2.30	7.60	244.90	9.24	2.35	4.6	-96.8	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	N of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-200		Date	2-26-21	
Project Name/Location	Ford LTP		Weather	36.0 degrees F and Mostly Cloudy. The wind is blowing SE at 6.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.38	Total Depth (ft-bmp)	18.62	Water Column (ft.)	12.24	Gallons in Well	1.99	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.92					
Sample Time:	Label	15:00	Volume Purged	1.84 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	13:55					Emma Witherspoon	
	Purge End	15:05						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:00	0	100	6.59	0.00	7.40	2.92	29.00	0.71	11.0	-140.5	Clear, Small Orange Particulates	No Odor
14:05	5	100	6.50	0.13	7.38	2.98	49.50	0.63	10.6	-143.0	Clear, Small Orange Particulates	No Odor
14:10	5	100	6.50	0.26	7.37	2.97	48.60	0.42	10.6	-143.5	Clear, Small Orange Particulates	No Odor
14:15	5	100	6.50	0.39	7.37	2.98	54.00	0.31	10.7	-144.3	Clear, Small Orange Particulates	No Odor
14:20	5	100	6.50	0.52	7.36	2.99	42.60	0.24	10.6	-143.9	Clear, Small Orange Particulates	No Odor
14:25	5	100	6.50	0.65	7.36	2.98	27.50	0.19	11.1	-144.7	Clear, Small Orange Particulates	No Odor
14:30	5	100	6.50	0.78	7.36	2.99	20.70	0.12	11.0	-143.8	Clear, Small Orange Particulates	No Odor
14:35	5	100	6.50	0.91	7.36	2.99	22.60	0.13	10.9	-144.2	Clear, Small Orange Particulates	No Odor
14:40	5	150	6.54	1.04	7.35	2.98	14.80	0.13	11.4	-145.8	Clear, Small Orange Particulates	No Odor
14:45	5	150	6.55	1.24	7.35	2.99	11.20	0.12	11.6	-146.0	Clear, Small Orange Particulates	No Odor
14:50	5	150	6.55	1.44	7.35	2.99	16.20	0.13	11.7	-146.0	Clear, Small Orange Particulates	No Odor
14:55	5	150	6.55	1.64	7.35	3.00	13.60	0.12	11.8	-146.1	Clear, Small Orange Particulates	No Odor
15:00	5	150	6.55	1.84	7.34	3.00	10.30	0.18	11.8	-144.8	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite - W of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-200S			Date	2-26-21
Project Name/Location	Ford LTP		Weather		35.1 degrees F and Mostly Cloudy. The wind is blowing S at 9.2 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	6.30	Total Depth (ft-bmp)	9.60	Water Column (ft.)	3.30	Gallons in Well	0.54
		Pump Intake (ft-bmp)	7.80	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	2.22				
Sample Time:	Label	13:40	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:00					Emma Witherspoon
	Purge End	13:43					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Onsite- W of property	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01	Well ID	MW-201	Date	2-25-21	
Project Name/Location	Ford LTP		Weather	39.9 degrees F and Mostly Cloudy. The wind is blowing W/NW at 9.2 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	17-22	Casing Diameter (in.)	2	
Static Water Level (ft-bmp)	5.19	Total Depth (ft-bmp)	21.50	Water Column (ft.)	16.31	
		Pump Intake (ft-bmp)	19.50	Gallons in Well	2.65	
		Well Volumes Purged	0.59	Purge Method	Low-Flow	
Sample Time:	Label	14:35	Volume Purged	1.56 gallons	Replicate/Code No.	--
	Purge Start	13:30			Sampled by	Emma Witherspoon
	Purge End	14:41				

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:35	0	100	5.75	0.00	7.15	19.15	47.90	0.69	11.8	-107.9	Clear, Small Black Particulates	No Odor
13:40	5	100	5.84	0.13	7.14	19.17	25.40	0.46	12.0	-109.3	Clear, Small Black Particulates	No Odor
13:45	5	100	5.85	0.26	7.13	19.10	39.10	0.30	12.2	-112.8	Clear, Small Black Particulates	No Odor
13:50	5	100	5.87	0.39	7.14	18.49	30.90	0.19	12.2	-112.7	Clear, Small Black Particulates	No Odor
13:55	5	100	5.90	0.52	7.15	17.67	27.90	0.17	12.5	-113.5	Clear, Small Black Particulates	No Odor
14:00	5	100	5.92	0.65	7.16	16.96	25.50	0.14	12.2	-113.5	Clear, Small Black Particulates	No Odor
14:05	5	100	5.92	0.78	7.16	16.13	22.10	0.12	12.7	-114.1	Clear, Small Black Particulates	No Odor
14:10	5	100	5.95	0.91	7.17	15.52	19.30	0.10	12.5	-114.6	Clear, Small Black Particulates	No Odor
14:15	5	100	5.95	1.04	7.17	15.39	17.10	0.10	12.3	-114.8	Clear, Small Black Particulates	No Odor
14:20	5	100	5.95	1.17	7.17	14.93	13.30	0.07	12.7	-115.8	Clear, Small Black Particulates	No Odor
14:25	5	100	5.95	1.30	7.18	14.73	11.70	0.09	12.9	-116.5	Clear, Small Black Particulates	No Odor
14:30	5	100	5.95	1.43	7.18	14.57	10.90	0.21	12.9	-117.0	Clear	No Odor
14:35	5	100	5.95	1.56	7.18	14.42	9.81	0.08	12.9	-118.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite: W of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	MW-201S		Date	2-25-21	
Project Name/Location	Ford LTP		Weather	41.0 degrees F and Partly Cloudy. The wind is blowing W at 10.3 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3.5-8.5	Casing Diameter (in.)	2	Gallons in Well	0.47	
Static Water Level (ft-bmp)	5.22	Total Depth (ft-bmp)	8.12	Water Column (ft.)	2.90	Sample Method	Grab	
		Pump Intake (ft-bmp)	6.72	Purge Method	Low-Flow			
		Well Volumes Purged	5.11					
Sample Time:	Label	16:00	Volume Purged	2.4 gallons		Replicate/Code No.	--	
	Purge Start	14:52				Sampled by	Emma Witherspoon	
	Purge End	16:04						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:55	0	150	5.28	0.00	8.99	9.31	2.64	0.96	8.2	-70.9	Clear	No Odor
15:00	5	150	5.28	0.20	9.11	9.08	2.09	0.57	7.9	-87.9	Clear	No Odor
15:05	5	150	5.28	0.40	9.17	8.84	1.41	0.24	7.9	-105.8	Clear	No Odor
15:10	5	150	5.28	0.60	9.22	8.75	0.95	0.38	7.6	-109.0	Clear	No Odor
15:15	5	150	5.28	0.80	9.24	8.69	1.26	0.48	8.0	-109.7	Clear	No Odor
15:20	5	150	5.28	1.00	9.25	8.67	0.28	0.59	7.7	-107.1	Clear	No Odor
15:25	5	150	5.28	1.20	9.26	8.64	0.12	0.64	7.6	-104.4	Clear	No Odor
15:30	5	150	5.28	1.40	9.26	8.62	0.02	0.72	7.8	-102.0	Clear	No Odor
15:35	5	150	5.28	1.60	9.25	8.59	0.02	0.76	7.9	-99.5	Clear	No Odor
15:40	5	150	5.28	1.80	9.25	8.58	0.02	0.85	8.2	-98.8	Clear	No Odor
15:45	5	150	5.28	2.00	9.25	8.61	0.02	0.90	7.7	-97.2	Clear	No Odor
15:50	5	150	5.28	2.20	9.25	8.55	0.02	0.97	8.1	-95.5	Clear	No Odor
15:55	5	150	5.28	2.40	9.26	8.58	0.02	1.04	7.9	-95.6	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite: W of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01	Well ID	MW-208S			Date	2-13-21
Project Name/Location	Ford LTP		Weather		17.6 degrees F. The wind is blowing E/NE at 9.2 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-14	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	11.30	Total Depth (ft-bmp)	13.60	Water Column (ft.)	2.30	Gallons in Well	0.37
		Pump Intake (ft-bmp)	12.80	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	2.76				
Sample Time:	Label	12:35	Volume Purged	1.02 gallons	Replicate/Code No.	MW-208S-MS_021321, MW-208S-MSD_021321	Sampled by
	Purge Start	11:56					Emma Witherspoon
	Purge End	12:50					

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Onsite East	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	MW-209S		Date	2-13-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing NNE at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	10.62	Total Depth (ft-bmp)	12.70	Water Column (ft.)	2.08	Gallons in Well	0.34	
		Pump Intake (ft-bmp)	12.12	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	7.00					
Sample Time:	Label	9:41	Volume Purged	2.38 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	8:38						
	Purge End	9:55						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:40	0	140	10.66	0.00	7.20	11.70	18.80	5.09	9.7	-50.4	Clear	No Odor
8:45	5	150	10.66	0.18	7.22	11.35	4.74	4.72	9.6	-52.5	Clear	No Odor
8:50	5	150	10.66	0.38	7.23	11.24	1.73	4.70	9.3	-51.4	Clear	No Odor
8:55	5	150	10.66	0.58	7.24	11.16	1.30	4.40	9.2	-51.6	Clear	No Odor
9:00	5	150	10.66	0.78	7.25	11.15	0.88	4.38	9.1	-54.4	Clear	No Odor
9:05	5	150	10.66	0.98	7.26	11.28	0.65	4.43	8.4	-55.3	Clear	Faint Odor
9:10	5	150	10.66	1.18	7.26	11.21	0.90	4.38	8.3	-55.4	Clear	No Odor
9:15	5	150	10.66	1.38	7.27	11.25	0.69	4.39	8.1	-55.4	Clear	No Odor
9:20	5	150	10.66	1.58	7.27	11.24	0.62	3.21	8.0	-54.3	Clear	No Odor
9:25	5	150	10.66	1.78	7.27	11.01	0.44	3.21	8.2	-54.8	Clear	No Odor
9:30	5	150	10.66	1.98	7.27	11.08	0.95	3.16	8.8	-54.7	Clear	No Odor
9:35	5	150	10.66	2.18	7.27	11.12	0.78	3.17	8.9	-54.5	Clear	No Odor
9:40	5	150	10.66	2.38	7.27	11.12	0.39	3.12	8.8	-54.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite East	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-210S		Date	2-13-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing NE at 6.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	10.58	Total Depth (ft-bmp)	12.70	Water Column (ft.)	2.12	Gallons in Well	0.34	
		Pump Intake (ft-bmp)	12.00	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	6.35					
Sample Time:	Label	13:06	Volume Purged	2.16 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	12:03					Gary Schafer	
	Purge End	13:15						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:05	0	140	10.58	0.00	7.22	14.82	214.00	0.72	10.0	-52.1	Brown, Cloudy	No Odor
12:10	5	140	10.58	0.18	7.24	14.80	169.00	0.38	10.2	-60.6	Brown, Cloudy	No Odor
12:15	5	140	10.58	0.36	7.24	14.86	125.00	0.29	10.3	-67.0	Brown, Cloudy	No Odor
12:20	5	140	10.58	0.54	7.22	14.85	83.40	0.30	9.9	-70.2	Brown, Cloudy	No Odor
12:25	5	140	10.58	0.72	7.22	14.87	56.00	0.27	10.2	-71.8	Brown, Turbid	No Odor
12:30	5	140	10.58	0.90	7.23	14.96	55.80	0.25	10.1	-71.9	Brown, Turbid	No Odor
12:35	5	140	10.58	1.08	7.24	14.88	47.60	0.20	10.1	-72.7	Brown, Turbid	No Odor
12:40	5	140	10.58	1.26	7.23	14.88	34.60	0.21	9.6	-72.4	Brown, Clear	No Odor
12:45	5	140	10.58	1.44	7.25	14.94	30.40	0.20	9.4	-72.1	Brown, Clear	No Odor
12:50	5	140	10.58	1.62	7.23	14.93	25.60	0.19	9.9	-73.1	Clear	No Odor
12:55	5	140	10.58	1.80	7.23	14.82	23.30	0.17	9.9	-73.3	Clear	No Odor
13:00	5	140	10.58	1.98	7.26	14.84	21.40	0.19	9.7	-73.0	Clear	No Odor
13:05	5	140	10.58	2.16	7.26	14.82	18.30	0.23	9.8	-73.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	4" = 0.65	
1.25" = 0.06		3" = 0.37		
Well Information				
Well Location:	Onsite East	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-211S		Date	2-13-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing E/NE at 9.2 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2	Gallons in Well	0.40	
Static Water Level (ft-bmp)	9.36	Total Depth (ft-bmp)	11.85	Water Column (ft.)	2.49	Sample Method	Grab	
		Pump Intake (ft-bmp)	10.86	Purge Method	Low-Flow			
		Well Volumes Purged	6.00					
Sample Time:	Label	12:53	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	11:51						
	Purge End	12:56						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:52	0	150	9.40	0.00	8.28	7.54	33.60	4.44	9.1	-33.2	Clear	No Odor
11:57	5	150	9.40	0.20	7.88	7.74	26.90	4.06	9.4	-37.0	Clear	No Odor
12:02	5	150	9.40	0.40	7.71	8.00	10.80	4.09	9.5	-33.7	Clear	No Odor
12:07	5	150	9.40	0.60	7.61	8.59	13.60	4.44	9.4	-26.5	Clear	No Odor
12:12	5	150	9.40	0.80	7.53	8.97	15.30	4.04	9.4	-40.0	Clear	No Odor
12:17	5	150	9.40	1.00	7.49	9.17	6.90	3.34	9.4	-69.1	Clear	No Odor
12:22	5	150	9.40	1.20	7.45	9.38	13.80	3.38	9.6	-77.9	Clear	No Odor
12:27	5	150	9.40	1.40	7.44	9.45	11.50	3.21	9.7	-83.2	Clear	No Odor
12:32	5	150	9.40	1.60	7.43	9.51	9.13	2.99	9.6	-78.8	Clear	No Odor
12:37	5	150	9.40	1.80	7.42	9.62	6.94	2.90	9.7	-76.4	Clear	No Odor
12:42	5	150	9.40	2.00	7.36	9.69	2.36	0.31	9.7	-72.1	Clear	No Odor
12:47	5	150	9.40	2.20	7.36	9.74	3.20	0.30	9.7	-67.8	Clear	No Odor
12:52	5	150	9.40	2.40	7.36	9.75	4.37	0.26	9.8	-67.4	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite; East of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-212S		Date	2-13-21	
Project Name/Location	Ford LTP		Weather	19.4 degrees F. The wind is blowing NE at 11.5 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6.5-11.5	Casing Diameter (in.)	2	Gallons in Well	0.36	
Static Water Level (ft-bmp)	8.93	Total Depth (ft-bmp)	11.16	Water Column (ft.)	2.23	Sample Method	Grab	
		Pump Intake (ft-bmp)	10.43	Purge Method	Low-Flow			
		Well Volumes Purged	3.89					
Sample Time:	Label	15:13	Volume Purged	1.4 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	14:34						
	Purge End	15:16						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:35	0	150	8.95	0.00	7.89	8.48	44.00	1.14	9.8	-66.6	Clear, Small Orange Particulates	No Odor
14:40	5	150	8.95	0.20	7.40	8.74	28.00	0.42	9.1	-57.1	Clear, Small Orange Particulates	No Odor
14:45	5	150	8.94	0.40	7.31	8.62	17.20	0.32	8.9	-44.3	Clear, Small Orange Particulates	No Odor
14:50	5	150	8.94	0.60	7.28	8.48	11.60	0.31	8.7	-39.0	Clear, Small Orange Particulates	No Odor
14:55	5	150	8.94	0.80	7.23	8.28	6.16	0.23	9.2	-33.0	Clear, Small Orange Particulates	No Odor
15:00	5	150	8.94	1.00	7.22	8.25	4.63	0.21	9.1	-30.8	Clear	No Odor
15:05	5	150	8.94	1.20	7.19	8.17	4.55	0.19	9.1	-28.1	Clear	No Odor
15:10	5	150	8.94	1.40	7.19	8.09	3.12	0.17	9.0	-26.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite; East of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01	Well ID	MW-213S			Date	2-13-21
Project Name/Location	Ford LTP		Weather	18.0 degrees F. The wind is blowing NE at 10.4 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-11	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.64	Total Depth (ft-bmp)	10.81	Water Column (ft.)	2.17	Gallons in Well	0.35
		Pump Intake (ft-bmp)	10.14	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.86				
Sample Time:	Label	12:40	Volume Purged	1.35 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:06					Christina Weaver
	Purge End	12:45					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Onsite East	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-218S		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	19.9 degrees F and Light Snow. The wind is blowing NE at 11.4 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-14	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	11.45	Total Depth (ft-bmp)	13.15	Water Column (ft.)	1.70	Gallons in Well	0.28	
		Pump Intake (ft-bmp)	12.95	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	8.14					
Sample Time:	Label	0:10	Volume Purged	2.28 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	11:08						
	Purge End	12:15						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:10	0	150	11.47	0.00	7.15	3.45	9.25	2.13	8.6	25.0	Clear	No Odor
11:15	5	150	11.49	0.20	7.15	3.56	0.02	0.40	8.7	-1.6	Clear	No Odor
11:20	5	150	11.49	0.40	7.15	3.24	0.02	0.33	8.8	-3.6	Clear	No Odor
11:25	5	150	11.49	0.60	7.15	3.08	0.02	0.25	8.7	-3.5	Clear	No Odor
11:40	15	150	11.46	1.08	7.13	3.18	0.02	2.54	9.0	-9.8	Clear	No Odor
11:45	5	150	11.49	1.28	7.15	3.15	0.02	0.48	9.1	-22.6	Clear	No Odor
11:50	5	150	11.49	1.48	7.15	3.01	0.02	0.48	9.2	-21.9	Clear	No Odor
11:55	5	150	11.49	1.68	7.15	2.98	0.02	0.41	9.2	-20.3	Clear	No Odor
12:00	5	150	11.49	1.88	7.15	3.00	0.02	0.37	9.2	-15.0	Clear	No Odor
12:05	5	150	11.49	2.08	7.15	2.99	0.02	0.31	9.3	-9.7	Clear	No Odor
12:10	5	150	11.49	2.28	7.14	3.00	0.02	0.28	9.2	-6.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite South	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



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[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Onsite; South	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-220S		Date	2-19-21	
Project Name/Location	Ford LTP		Weather	19.9 degrees F and Haze. The wind is blowing W at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-11	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.87	Total Depth (ft-bmp)	10.70	Water Column (ft.)	1.83	Gallons in Well	0.30	
		Pump Intake (ft-bmp)	10.37	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	6.00					
Sample Time:	Label	11:39	Volume Purged	1.8 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	10:44					Xenia Chan	
	Purge End	10:45						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:51	0	150	8.85	0.00	7.12	2.11	20.10	0.59	8.1	41.0	Clear	No Odor
10:56	5	150	8.85	0.20	7.08	1.98	8.34	0.15	8.1	-40.7	Clear	No Odor
11:01	5	150	8.85	0.40	7.06	1.97	4.03	0.06	8.1	-47.2	Clear	No Odor
11:06	5	150	8.85	0.60	7.04	1.99	3.37	0.02	8.4	-112.3	Clear	No Odor
11:11	5	150	8.85	0.80	7.02	2.05	1.71	0.02	8.6	-147.0	Clear	No Odor
11:16	5	150	8.85	1.00	7.02	2.04	1.15	0.02	9.6	-141.5	Clear	No Odor
11:21	5	150	8.85	1.20	7.00	2.08	1.46	0.03	9.8	-91.0	Clear	No Odor
11:26	5	150	8.85	1.40	6.99	2.12	1.21	0.02	9.9	-82.0	Clear	No Odor
11:31	5	150	8.85	1.60	6.98	2.15	1.81	0.02	9.8	-79.5	Clear	No Odor
11:36	5	150	8.85	1.80	6.98	2.17	1.15	0.02	9.8	-79.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	SE of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-221S	Date	2-25-21			
Project Name/Location	Ford LTP			Weather	34.0 degrees F and Mostly Clear. The wind is blowing W at 8.1 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6.5-11.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	6.40	Total Depth (ft-bmp)	10.96	Water Column (ft.)	4.56			
		Pump Intake (ft-bmp)	7.90	Purge Method	Low-Flow			
		Well Volumes Purged	1.84	Sample Method	Grab			
Sample Time:	Label	13:00	Volume Purged	1.36 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	12:10						
	Purge End	13:05						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:15	0	125	6.42	0.00	7.74	14.64	11.80	0.71	9.2	76.2	Cloudy	No Odor
12:20	5	125	6.42	0.17	7.66	14.65	13.30	0.42	9.1	18.1	Clear	No Odor
12:25	5	125	6.42	0.34	7.66	14.64	7.22	0.37	9.1	1.7	Clear	No Odor
12:30	5	125	6.42	0.51	7.65	14.64	4.11	0.38	9.2	-32.0	Clear	No Odor
12:35	5	125	6.42	0.68	7.58	14.83	2.15	0.32	9.3	-38.8	Clear	No Odor
12:40	5	125	6.42	0.85	7.57	14.87	1.08	0.33	9.2	-50.1	Clear	No Odor
12:45	5	125	6.42	1.02	7.57	14.85	0.77	0.36	9.4	-60.3	Clear	No Odor
12:50	5	125	6.42	1.19	7.57	14.89	0.59	0.36	9.3	-66.0	Clear	No Odor
12:55	5	125	6.42	1.36	7.57	14.88	1.03	0.49	9.4	-69.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Onsite: W of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	MW-222S	Date	2-12-21
Project Name/Location	Ford LTP		Weather	21.0 degrees F. The wind is blowing N/NW at 9.2 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5.5-10.5	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	6.69	Total Depth (ft-bmp)	9.48	Water Column (ft.)	2.79
		Pump Intake (ft-bmp)	8.19	Purge Method	Low-Flow
		Well Volumes Purged	2.31		
Sample Time:	Label	14:18	Volume Purged	1.04 gallons	Replicate/Code No.
	Purge Start	13:33			--
	Purge End	14:21			
					Sampled by Kara Donahue

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:35	0	100	6.73	0.00	7.07	4.99	23.80	11.08	7.7	-2.8	Small Orange Particulates	No Odor
13:40	5	100	6.73	0.13	7.09	5.16	15.10	10.55	7.2	-0.3	Clear, Small Orange Particulates	No Odor
13:45	5	100	6.73	0.26	7.09	5.21	10.60	3.23	7.3	2.4	Clear, Small Orange Particulates	No Odor
13:50	5	100	6.73	0.39	7.10	5.25	6.68	3.21	7.3	4.0	Clear, Small Orange Particulates	No Odor
13:55	5	100	6.73	0.52	7.11	5.28	3.30	3.15	7.3	5.7	Clear	No Odor
14:00	5	100	6.73	0.65	7.11	5.28	2.10	3.33	7.4	6.6	Clear	No Odor
14:05	5	100	6.73	0.78	7.12	5.29	0.71	2.85	7.3	7.7	Clear	No Odor
14:10	5	100	6.73	0.91	7.12	5.30	0.02	2.85	7.3	8.7	Clear	No Odor
14:15	5	100	6.73	1.04	7.12	5.27	0.02	2.77	7.4	9.4	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite South	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	MW-224S		Date	3-1-21	
Project Name/Location	Ford LTP		Weather	37.0 degrees F and Partly Cloudy.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.39	Total Depth (ft-bmp)	11.52	Water Column (ft.)	2.13	Gallons in Well	0.35	
		Pump Intake (ft-bmp)	10.89	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.60					
Sample Time:	Label	13:49	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	13:06						
	Purge End	13:53						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:10	0	100	9.42	0.00	7.46	12.40	12.40	1.71	8.4	9.6	Clear, Small Orange Particulates	No Odor
13:15	5	100	9.42	0.13	7.45	12.22	2.21	2.00	8.6	5.7	Clear, Small Orange Particulates	No Odor
13:20	5	100	9.42	0.26	7.42	12.20	0.02	2.10	8.4	9.1	Clear, Small Orange Particulates	No Odor
13:25	5	100	9.42	0.39	7.39	12.34	0.02	2.37	8.3	13.7	Clear	No Odor
13:30	5	100	9.42	0.52	7.38	12.31	0.02	2.52	8.2	18.5	Clear	No Odor
13:35	5	100	9.42	0.65	7.36	12.31	0.02	2.86	8.3	21.6	Clear	No Odor
13:40	5	100	9.42	0.78	7.35	12.33	0.02	2.89	8.3	25.5	Clear	No Odor
13:45	5	100	9.42	0.91	7.34	12.32	0.02	3.11	8.4	28.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	SW of plant	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01	Well ID	PW-16-01	Date	2-10-21			
Project Name/Location	Ford LTP			Weather	17.6 degrees F. The wind is blowing S/SW at 4.6 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9.7-19.7	Casing Diameter (in.)	6			
Static Water Level (ft-bmp)	9.51	Total Depth (ft-bmp)	21.42	Water Column (ft.)	11.91			
		Pump Intake (ft-bmp)	14.70	Purge Method	Low-Flow			
		Well Volumes Purged	0.07					
Sample Time:	Label	14:00	Volume Purged	1.27 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	13:25						
	Purge End	14:06						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:27	0	180	9.54	0.00	7.23	6.27	29.20	10.08	11.2	46.9	Clear, Small Orange Particulates	No Odor
13:32	5	160	9.54	0.24	7.22	6.20	15.00	9.65	11.3	48.0	Clear, Small Orange Particulates	No Odor
13:37	5	160	9.59	0.45	7.21	6.25	19.40	9.36	11.2	49.6	Clear, Small Orange Particulates	No Odor
13:42	5	160	9.60	0.66	7.20	6.26	13.40	8.69	11.5	49.4	Clear	No Odor
13:47	5	150	9.59	0.87	7.20	6.27	9.61	8.52	11.2	47.3	Clear	No Odor
13:52	5	150	9.61	1.07	7.20	6.27	9.90	8.22	11.4	44.6	Clear	No Odor
13:57	5	150	9.60	1.27	7.19	6.26	9.44	7.78	11.3	40.5	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	Need to replace well lid.		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Onsite North	Well Locked at Arrival:	n/a	
Condition of Well:	Pad damaged, Vault broken	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	PW-16-02		Date	2-9-21	
Project Name/Location	Ford LTP		Weather	15.8 degrees F. The wind is blowing N at 6.9 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-21	Casing Diameter (in.)	6	Gallons in Well	24.85	
Static Water Level (ft-bmp)	6.81	Total Depth (ft-bmp)	23.80	Water Column (ft.)	16.99	Sample Method	Grab	
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.04					
Sample Time:	Label	10:50	Volume Purged	1.04 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	10:05						
	Purge End	10:56						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:07	0	100	6.91	0.00	7.00	1.25	1.68	1.16	9.2	183.4	Clear	No Odor
10:12	5	100	6.93	0.13	7.02	1.25	0.57	0.56	9.5	173.4	Clear	No Odor
10:17	5	100	6.95	0.26	7.02	1.24	0.02	0.29	9.6	167.8	Clear	No Odor
10:22	5	100	6.95	0.39	7.02	1.24	0.02	0.26	9.6	160.3	Clear	No Odor
10:27	5	100	6.96	0.52	7.02	1.24	0.02	0.29	9.7	148.5	Clear	No Odor
10:32	5	100	6.96	0.65	7.01	1.24	0.02	0.31	9.6	139.2	Clear	No Odor
10:37	5	100	6.96	0.78	7.01	1.24	0.02	0.28	9.8	128.5	Clear	No Odor
10:42	5	100	6.96	0.91	7.01	1.24	0.02	0.24	9.7	122.6	Clear	No Odor
10:47	5	100	6.96	1.04	7.01	1.24	0.02	0.27	9.6	118.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	North of property	Well Locked at Arrival:	n/a	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	TW-16-01		Date	3-2-21	
Project Name/Location	Ford LTP		Weather	27.0 degrees F and Mostly Clear. The wind is blowing S/SW at 8.1 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2	Gallons in Well	1.32	
Static Water Level (ft-bmp)	8.71	Total Depth (ft-bmp)	16.82	Water Column (ft.)	8.11	Sample Method	Grab	
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.18					
Sample Time:	Label	12:49	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	11:43						
	Purge End	12:52						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:45	0	100	8.74	0.00	6.95	5.38	462.00	7.03	10.5	-12.5	Cloudy, Orange, Small Orange Particulates	Faint Odor
11:50	5	100	8.75	0.13	7.02	5.39	120.00	6.50	10.2	-51.2	Cloudy, Small Orange Particulates	No Odor
11:55	5	100	8.75	0.26	7.06	5.36	75.60	6.04	10.5	-64.1	Clear, Small Orange Particulates	No Odor
12:00	5	100	8.75	0.39	7.09	5.35	55.90	5.68	10.5	-70.8	Clear, Small Orange Particulates	No Odor
12:05	5	100	8.75	0.52	7.12	5.32	39.40	5.81	10.3	-77.2	Clear, Small Orange Particulates	No Odor
12:10	5	100	8.75	0.65	7.12	5.32	29.30	5.67	10.1	-79.7	Clear, Small Orange Particulates	No Odor
12:15	5	100	8.75	0.78	7.13	5.32	25.40	4.64	10.2	-82.6	Clear	No Odor
12:20	5	100	8.75	0.91	7.15	5.31	26.10	3.97	10.1	-85.4	Clear	No Odor
12:25	5	100	8.75	1.04	7.15	5.30	20.20	3.83	10.3	-87.0	Clear	No Odor
12:30	5	100	8.75	1.17	7.16	5.29	17.50	3.71	10.2	-88.1	Clear	No Odor
12:35	5	100	8.75	1.30	7.16	5.28	16.60	3.59	10.3	-89.2	Clear	No Odor
12:40	5	100	8.75	1.43	7.17	5.28	12.40	3.48	10.3	-90.0	Clear	No Odor
12:45	5	100	8.75	1.56	7.17	5.28	9.76	3.44	10.1	-91.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	South end inside track	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.401.01		Well ID	TW-16-02		Date	3-2-21	
Project Name/Location	Ford LTP		Weather	30.0 degrees F and Mostly Clear. The wind is blowing SW at 8.1 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2	Gallons in Well	1.41	
Static Water Level (ft-bmp)	8.46	Total Depth (ft-bmp)	17.16	Water Column (ft.)	8.70	Sample Method	Grab	
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.11					
Sample Time:	Label	14:28	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	13:23						
	Purge End	14:31						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:25	0	100	8.54	0.00	7.13	5.41	157.00	1.73	10.8	-53.2	Cloudy, Orange, Small Orange Particulates	No Odor
13:30	5	100	8.54	0.13	7.04	5.46	154.00	0.76	10.9	-47.3	Cloudy, Orange, Small Orange Particulates	No Odor
13:35	5	100	8.54	0.26	7.06	5.41	126.00	0.70	11.0	-55.3	Clear, Orange, Small Orange Particulates	No Odor
13:40	5	100	8.54	0.39	7.10	5.33	90.90	0.41	10.8	-67.4	Clear, Small Orange Particulates	No Odor
13:45	5	100	8.54	0.52	7.15	5.29	54.90	0.41	10.7	-79.5	Clear, Small Orange Particulates	No Odor
13:50	5	100	8.54	0.65	7.16	5.33	38.50	0.42	10.8	-84.1	Clear, Small Orange Particulates	No Odor
13:55	5	100	8.55	0.78	7.16	5.33	33.40	0.51	10.9	-86.7	Clear, Small Orange Particulates	No Odor
14:00	5	100	8.56	0.91	7.17	5.33	33.90	0.34	10.9	-89.3	Clear, Small Orange Particulates	No Odor
14:05	5	100	8.56	1.04	7.18	5.39	22.60	0.28	11.0	-93.0	Clear, Small Orange Particulates	No Odor
14:10	5	100	8.57	1.17	7.19	5.40	18.80	0.21	11.1	-95.3	Clear, Small Orange Particulates	No Odor
14:15	5	100	8.58	1.30	7.20	5.42	11.60	0.27	11.1	-98.6	Clear, Small Orange Particulates	No Odor
14:20	5	100	8.58	1.43	7.20	5.44	9.40	0.34	11.1	-101.4	Clear, Small Orange Particulates	No Odor
14:25	5	100	8.58	1.56	7.21	5.46	7.67	0.30	11.1	-103.2	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	South end inside track	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	TW-16-03		Date	3-1-21	
Project Name/Location	Ford LTP		Weather	36.0 degrees F and Clear. The wind is blowing W at 18.3 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-19	Casing Diameter (in.)	2	Gallons in Well	2.12	
Static Water Level (ft-bmp)	5.72	Total Depth (ft-bmp)	18.75	Water Column (ft.)	13.03	Sample Method	Grab	
		Pump Intake (ft-bmp)	14.00	Purge Method	Low-Flow			
		Well Volumes Purged	0.74					
Sample Time:	Label	12:28	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	11:22						
	Purge End	12:31						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:25	0	100	5.76	0.00	6.81	1.50	128.00	2.57	9.3	-62.3	Clear, Small Orange Particulates	Faint Odor
11:30	5	100	5.76	0.13	6.87	1.51	45.90	2.03	9.2	-73.4	Clear, Small Orange Particulates	Faint Odor
11:35	5	100	5.76	0.26	6.75	1.32	35.60	0.73	8.6	-56.4	Clear	No Odor
11:40	5	100	5.76	0.39	6.76	1.21	30.10	1.03	8.7	-55.9	Clear	No Odor
11:45	5	100	5.76	0.52	6.76	1.17	25.60	1.12	8.8	-57.0	Clear	No Odor
11:50	5	100	5.76	0.65	6.75	1.13	21.40	1.13	8.8	-57.2	Clear	Faint Odor
11:55	5	100	5.76	0.78	6.75	1.12	13.50	0.97	8.7	-58.0	Clear	No Odor
12:00	5	100	5.76	0.91	6.75	1.13	12.40	0.95	8.7	-58.9	Clear	No Odor
12:05	5	100	5.75	1.04	6.75	1.12	10.70	1.01	8.8	-59.3	Clear	No Odor
12:10	5	100	5.76	1.17	6.75	1.12	9.71	1.00	8.9	-60.1	Clear	No Odor
12:15	5	100	5.77	1.30	6.75	1.12	8.71	1.03	8.9	-60.5	Clear	No Odor
12:20	5	100	5.77	1.43	6.75	1.12	8.01	1.00	8.8	-60.8	Clear	No Odor
12:25	5	100	5.77	1.56	6.75	1.12	5.42	0.99	8.9	-60.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	N side of track	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.401.01		Well ID	TW-16-04		Date	3-1-21	
Project Name/Location	Ford LTP		Weather	35.1 degrees F and Partly Cloudy. The wind is blowing NW at 16.1 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-19	Casing Diameter (in.)	2	Gallons in Well	2.09	
Static Water Level (ft-bmp)	6.03	Total Depth (ft-bmp)	18.92	Water Column (ft.)	12.89	Sample Method	Grab	
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.75					
Sample Time:	Label	10:53	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	9:46						
	Purge End	10:55						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:50	0	100	6.04	0.00	6.51	0.68	216.00	1.13	8.9	-15.3	Cloudy, Small Orange Particulates	Faint Odor
9:55	5	100	6.05	0.13	6.66	0.69	71.70	0.90	9.0	-41.4	Clear, Small Orange Particulates	Faint Odor
10:00	5	100	6.05	0.26	6.76	0.75	41.90	0.86	8.6	-53.5	Clear, Small Orange Particulates	Faint Odor
10:05	5	100	6.05	0.39	6.81	0.79	38.50	1.26	8.8	-60.0	Clear, Small Orange Particulates	No Odor
10:10	5	100	6.05	0.52	6.85	0.78	29.10	1.62	8.8	-62.3	Clear, Small Orange Particulates	No Odor
10:15	5	100	6.05	0.65	6.86	0.78	37.40	1.25	8.7	-63.1	Clear, Small Orange Particulates	No Odor
10:20	5	100	6.05	0.78	6.87	0.83	25.00	1.20	8.8	-65.3	Clear, Small Orange Particulates	No Odor
10:25	5	100	6.05	0.91	6.88	0.86	26.00	2.03	8.7	-66.9	Clear, Small Orange Particulates	No Odor
10:30	5	100	6.05	1.04	6.89	0.89	17.00	1.14	8.8	-68.1	Clear, Small Orange Particulates	No Odor
10:35	5	100	6.05	1.17	6.90	0.91	16.20	1.22	8.9	-69.6	Clear, Small Orange Particulates	No Odor
10:40	5	100	6.05	1.30	6.91	0.93	12.40	1.22	8.8	-70.6	Clear, Small Orange Particulates	No Odor
10:45	5	100	6.05	1.43	6.92	0.94	9.85	1.45	8.9	-71.7	Clear	No Odor
10:50	5	100	6.05	1.56	6.92	0.94	13.30	0.79	9.0	-71.7	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

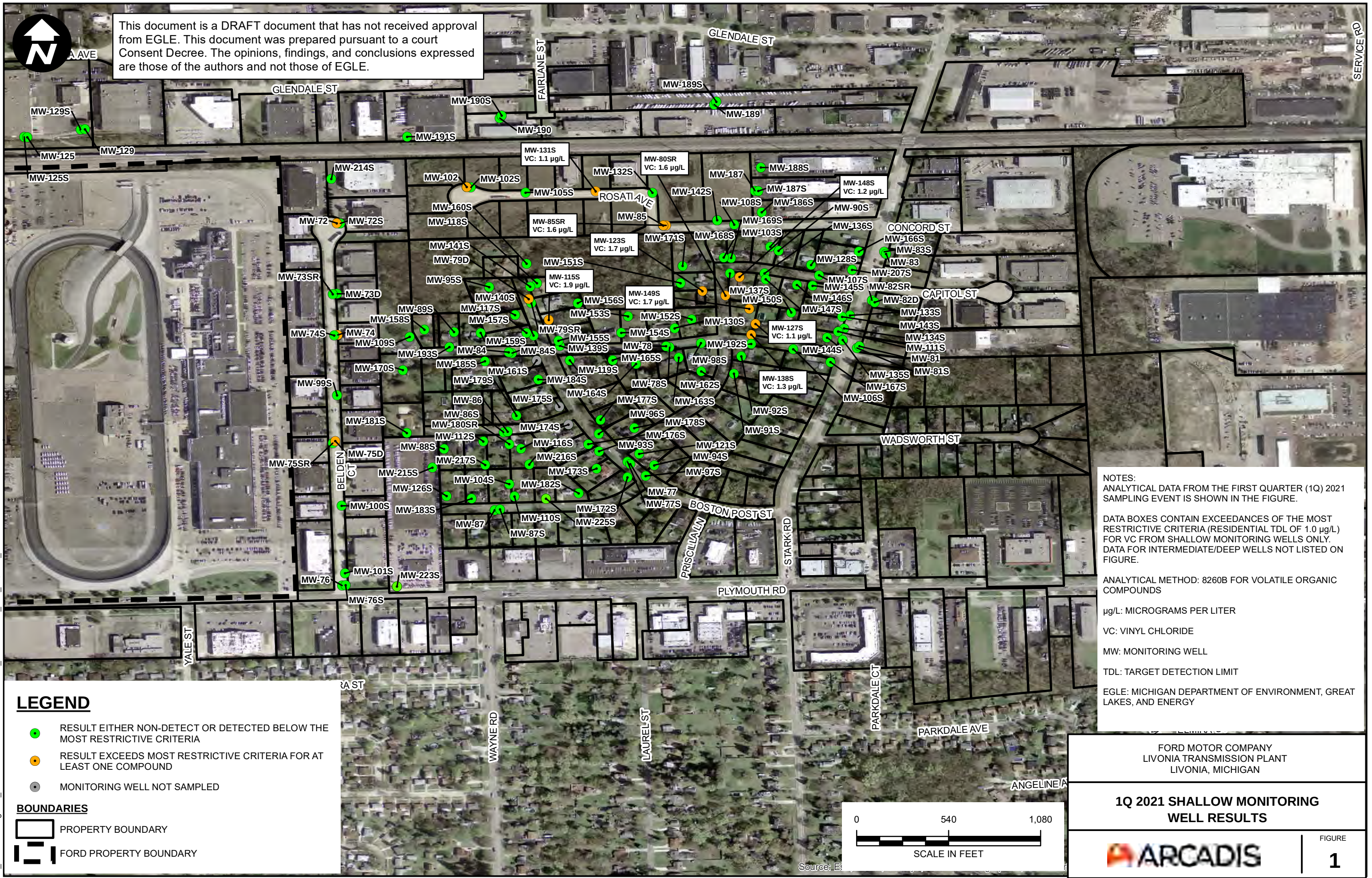
Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	N side of track	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

APPENDIX B

Off-Site Residential Monitoring Wells



CITY: Novi DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY PROJECT NUMBER: 30080642 COORDINATE SYSTEM: GCS North American 1983
T:\ENV\NovBrighton_MH\FordLivonia\GIS\docs\GEC\1Q_2021\Shallow_MW_1Q2021_Results.mxd PLOTTED: 4/16/2021 7:41:36 PM BY: ma000749



Appendix B
Summary of Off-Site Groundwater Sampling Results -1Q 2021
Ford Livonia Transmission Plant



Location: Date: Screen Interval (ft. bgs):				MW-72 2/10/2021 15-20	MW-72S 2/10/2021 3-13	MW-73D 2/11/2021 13.5-18.5	MW-73SR 2/11/2021 2.5-12.5	MW-74 2/11/2021 14-19	MW-74S 2/11/2021 3-13	MW-75D 2/10/2021 12-17	MW-75SR 2/10/2021 2.5-12.5	MW-76 2/12/2021 15-20	MW-76S 2/12/2021 4.5-14.5	MW-77 2/11/2021 9-14	MW-77S 2/11/2021 2.5-12.5	MW-78 2/24/2021 7-12	MW-78S 2/18/2021 2.5-12.5	MW-79D 2/12/2021 10-15
Analytical Method	Chemical Name	Ford LTP Offsite Residential DW Criteria	Non Residential DW Criteria															
SW-846 Method 8260B SIM	1,4-Dioxane	7.2*	350	< 2.0	< 2.0	1.5 J	< 2.0	2.1	< 2.0	2.5	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
SW-846 Method 8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	1.5	0.33 J	0.84 J	< 1.0	< 1.0	0.52 J	< 1.0	0.56 J	< 1.0	0.21 J	< 1.0	< 1.0
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	< 1.0	< 1.0	< 1.0	0.17 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	1.2	< 1.0	< 1.0	0.55 J	3.1	< 1.0	1.1	0.36 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.4

Location: Date: Screen Interval (ft. bgs):				MW-79SR 2/12/2021 2.5-12.5	MW-80SR 2/10/2021 2.5-12.5	MW-81 2/17/2021 8-13	MW-81S 2/17/2021 2.5-12.5	MW-82D 2/18/2021 18-23	MW-82SR 2/18/2021 5-15	MW-83 2/22/2021 8-13	MW-83S 2/22/2021 3-13	MW-84 2/18/2021 8-13	MW-84S 2/18/2021 2.5-12.5	MW-85 2/19/2021 8-13	MW-85SR 2/19/2021 4.5-9.5	MW-86 2/9/2021 12-17	MW-86S 2/9/2021 2.5-12.5	MW-87 2/9/2021 14-19
Analytical Method	Chemical Name	Ford LTP Offsite Residential DW Criteria	Non Residential DW Criteria															
SW-846 Method 8260B SIM	1,4-Dioxane	7.2*	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
SW-846 Method 8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	0.83 J	1.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.8	1.6	< 1.0	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-87S 2/15/2021 4.5-14.5	MW-88S 2/25/2021 3-13	MW-89S 2/26/2021 3-13	MW-90S 2/9/2021 2.5-12.5	MW-91S 2/9/2021 2.5-12.5	MW-92S 2/9/2021 2.5-12.5	MW-93S 2/10/2021 2.5-12.5	MW-94S 2/9/2021 2.5-12.5	MW-95S 2/12/2021 2.5-12.5	MW-96S 2/11/2021 2.5-12.5	MW-97S 2/11/2021 2.5-12.5	MW-98S 2/19/2021 2.5-12.5	MW-99S 2/15/2021 3-13	MW-100S 2/12/2021 3-13	MW-101S 2/12/2021 4.5-14.5
Analytical Method	Chemical Name	Ford LTP Offsite Residential DW Criteria	Non Residential DW Criteria															
SW-846 Method 8260B SIM	1,4-Dioxane	7.2*	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
SW-846 Method 8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.17 J	< 1.0	< 1.0	< 1.0	0.43 J	< 1.0	< 1.0
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:
All units are measured in micrograms per liter (µg/l).
All results are compared to the EGLE Part 201 Generic Cleanup Criteria, June 2018.
* Residential Drinking Water Criteria for 1,4-dioxane is derived from EGLE Proposed Rule Changes (September 2016) and Emergency Rules (October 27, 2016).
** Groundwater results for Trichloroethene and Vinyl Chloride are compared to the published EGLE Remediation and Redevelopment Division Target Detection Limit of 1.0 µg/l.
Bold Result exceeds residential Drinking Water criteria
< Result not detected above reporting limit.

Abbreviations:
DW drinking water
EGLE Michigan Department of Environment, Great Lakes, and Energy
ft. bgs feet below ground surface
J estimated result
LTP Livonia Transmission Plant
NS Not Sampled
UB analyte detected in associated blank
B The analyte / compound was detected in the associated blank.

This document is a DRAFT document that has not received approval from EGLE. This document was prepared pursuant to a court Consent Decree. The opinions, findings, and conclusions expressed are those of the authors and not those of EGLE.

Appendix B
Summary of Off-Site Groundwater Sampling Results -1Q 2021
Ford Livonia Transmission Plant



Location: Date: Screen Interval (ft. bgs):				MW-102 2/18/2021 10-15	MW-102S 2/18/2021 2.5-12.5	MW-103S 2/9/2021 2-7	MW-104S 2/23/2021 9-14	MW-105S 3/1/2021 2.5-12.5	MW-106S 2/11/2021 2.5-12.5	MW-107S 2/15/2021 2.5-12.5	MW-108S 2/18/2021 2.5-12.5	MW-109S 2/22/2021 2.5-12.5	MW-110S 2/23/2021 8-13	MW-111S 2/19/2021 8-13	MW-112S 2/23/2021 2.5-12.5	MW-115S 2/12/2021 2.5-12.5	MW-116S 2/26/2021 3-13	MW-117S 2/12/2021 2.5-12.5
Analytical Method	Chemical Name	Ford LTP Offsite Residential DW Criteria	Non Residential DW Criteria															
SW-846 Method 8260B SIM	1,4-Dioxane	7.2*	350	0.90 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
SW-846 Method 8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.16 J
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	2.2	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.35 J	< 1.0	< 1.0	< 1.0	1.9	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-118S 2/15/2021 2.5-12.5	MW-119S 2/11/2021 2.5-12.5	MW-121S 2/10/2021 2.5-12.5	MW-123S 2/10/2021 2.5-12.5	MW-125 2/17/2021 7-12	MW-125S 2/17/2021 2-7	MW-126S 2/23/2021 3-13	MW-127S 2/10/2021 3-13	MW-128S 2/23/2021 4-14	MW-129 2/18/2021 10-15	MW-129S 2/18/2021 2-7	MW-130S 2/24/2021 3-13	MW-131S 2/26/2021 2.5-12.5	MW-132S 2/26/2021 2.5-12.5	MW-133S 2/22/2021 4-9
Analytical Method	Chemical Name	Ford LTP Offsite Residential DW Criteria	Non Residential DW Criteria															
SW-846 Method 8260B SIM	1,4-Dioxane	7.2*	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
SW-846 Method 8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	0.31 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	< 1.0	< 1.0	< 1.0	1.7	< 1.0	< 1.0	< 1.0	1.1	< 1.0	< 1.0	< 1.0	0.51 J	1.1	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-134S 2/19/2021 5-10	MW-135S 2/18/2021 5-10	MW-136S 2/15/2021 2-7	MW-137S 2/10/2021 2-7	MW-138S 2/10/2021 2-7	MW-139S 2/19/2021 2-7	MW-140S 2/15/2021 2-7	MW-141S 2/15/2021 3-8	MW-142S 2/18/2021 2.5-7.5	MW-143S 2/19/2021 5.5-10.5	MW-144S 2/22/2021 7-12	MW-145S 2/15/2021 6-11	MW-146S 2/15/2021 6-11	MW-147S 2/9/2021 2-7	MW-148S 2/11/2021 2-7
Analytical Method	Chemical Name	Ford LTP Offsite Residential DW Criteria	Non Residential DW Criteria															
SW-846 Method 8260B SIM	1,4-Dioxane	7.2*	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
SW-846 Method 8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	< 1.0	< 1.0	< 1.0	0.33 J	1.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.82 J	1.2

Notes:
All units are measured in micrograms per liter (µg/l).
All results are compared to the EGLE Part 201 Generic Cleanup Criteria, June 2018.
* Residential Drinking Water Criteria for 1,4-dioxane is derived from EGLE Proposed Rule Changes (September 2016) and Emergency Rules (October 27, 2016).
** Groundwater results for Trichloroethene and Vinyl Chloride are compared to the published EGLE Remediation and Redevelopment Division Target Detection Limit of 1.0 µg/l.
Bold Result exceeds residential Drinking Water criteria
< Result not detected above reporting limit.

Abbreviations:
DW drinking water
EGLE Michigan Department of Environment, Great Lakes, and Energy
ft. bgs feet below ground surface
J estimated result
LTP Livonia Transmission Plant
NS Not Sampled
UB analyte detected in associated blank
B The analyte / compound was detected in the associated blank.

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Appendix B
Summary of Off-Site Groundwater Sampling Results -1Q 2021
Ford Livonia Transmission Plant



Location: Date: Screen Interval (ft. bgs):				MW-149S 2/11/2021 2-7	MW-150S 2/11/2021 2-7	MW-151S 2/10/2021 2.5-7.5	MW-152S 2/24/2021 2.5-7.5	MW-153S 2/17/2021 2-7	MW-154S 2/17/2021 2-7	MW-155S 2/12/2021 2-7	MW-156S 2/15/2021 3-8	MW-157S 2/12/2021 2.5-7.5	MW-158S 2/17/2021 2.5-7.5	MW-159S 2/17/2021 4-9	MW-160S 2/12/2021 4-9	MW-161S NS 2.5-7.5	MW-162S 2/9/2021 3-8	MW-163S 2/24/2021 2-7
Analytical Method	Chemical Name	Ford LTP Offsite Residential DW Criteria	Non Residential DW Criteria															
SW-846 Method 8260B SIM	1,4-Dioxane	7.2*	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NS	< 2.0	< 2.0
SW-846 Method 8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0
SW-846 Method 8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.14 J	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	1.7	0.35 J	0.76 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-164S 2/17/2021 3-8	MW-165S 2/17/2021 2-7	MW-166S 2/25/2021 6-11	MW-167S 2/18/2021 5-10	MW-168S 2/10/2021 2-7	MW-169S 2/9/2021 2-7	MW-170S 2/22/2021 4.5-9.5	MW-171S 2/10/2021 2-7	MW-172S 2/9/2021 4.5-9.5	MW-173S 2/9/2021 5.5-10.5	MW-174S NS 5.5-10.5	MW-175S NS 6-11	MW-176S 2/10/2021 5-10	MW-177S 2/11/2021 4-9	MW-178S 2/17/2021 4.5-9.5
Analytical Method	Chemical Name	Ford LTP Offsite Residential DW Criteria	Non Residential DW Criteria															
SW-846 Method 8260B SIM	1,4-Dioxane	7.2*	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NS	NS	< 2.0	< 2.0	< 2.0
SW-846 Method 8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NS	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NS	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NS	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NS	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NS	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NS	< 1.0	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-179S 2/23/2021 6-11	MW-180SR 2/23/2021 6.5-11.5	MW-181S 2/25/2021 3.5-8.5	MW-182S 2/23/2021 4-9	MW-183S 2/23/2021 8-13	MW-184S 2/11/2021 4.5-9.5	MW-185S 2/18/2021 6-11	MW-186S 2/23/2021 2.5-7.5	MW-187 2/22/2021 8-13	MW-187S 2/22/2021 3-8	MW-188S 2/22/2021 3-8	MW-189 2/17/2021 10-15	MW-189S 2/17/2021 4.5-9.5	MW-190 2/23/2021 9-14	MW-190S 2/23/2021 2.5-7.5
Analytical Method	Chemical Name	Ford LTP Offsite Residential DW Criteria	Non Residential DW Criteria															
SW-846 Method 8260B SIM	1,4-Dioxane	7.2*	350	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 4.0	< 2.0	< 2.0
SW-846 Method 8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.1	0.53 J
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.34 J	< 1.0

Notes:
All units are measured in micrograms per liter (µg/l).
All results are compared to the EGLE Part 201 Generic Cleanup Criteria, June 2018.
* Residential Drinking Water Criteria for 1,4-dioxane is derived from EGLE Proposed Rule Changes (September 2016) and Emergency Rules (October 27, 2016).
** Groundwater results for Trichloroethene and Vinyl Chloride are compared to the published EGLE Remediation and Redevelopment Division Target Detection Limit of 1.0 µg/l.
Bold Result exceeds residential Drinking Water criteria
< Result not detected above reporting limit.

Abbreviations:
DW drinking water
EGLE Michigan Department of Environment, Great Lakes, and Energy
ft. bgs feet below ground surface
J estimated result
LTP Livonia Transmission Plant
NS Not Sampled
UB analyte detected in associated blank
B The analyte / compound was detected in the associated blank.

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Appendix B
Summary of Off-Site Groundwater Sampling Results -1Q 2021
Ford Livonia Transmission Plant



Location: Date: Screen Interval (ft. bgs):				MW-191S 2/22/2021 2.5-7.5	MW-192S 2/9/2021 2.5-7.5	MW-193S 2/26/2021 3-8	MW-207S 2/22/2021 4.5-9.5
Analytical Method	Chemical Name	Ford LTP Offsite Residential DW Criteria	Non Residential DW Criteria				
SW-846 Method 8260B SIM	1,4-Dioxane	7.2*	350	< 2.0	< 2.0	< 2.0	< 2.0
SW-846 Method 8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	4.1	0.20 J	< 1.0	< 1.0
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	0.35 J	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	< 1.0	< 1.0	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-214S 2/9/2021 5.5-10.5	MW-215S 2/19/2021 3-8	MW-216S 2/25/2021 6-11
Analytical Method	Chemical Name	Ford LTP Offsite Residential DW Criteria	Non Residential DW Criteria			
SW-846 Method 8260B SIM	1,4-Dioxane	7.2*	350	< 2.0	< 2.0	< 2.0
SW-846 Method 8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	< 1.0	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-217S 2/26/2021 6-11	MW-223S 2/15/2021 8.5-13.5	MW-225S 2/23/2021 5.5-10.5
Analytical Method	Chemical Name	Ford LTP Offsite Residential DW Criteria	Non Residential DW Criteria			
SW-846 Method 8260B SIM	1,4-Dioxane	7.2*	350	< 2.0	< 2.0	< 2.0
SW-846 Method 8260B	1,1-Dichloroethene	7.0	7.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	< 1.0	< 1.0	< 1.0

Notes:
All units are measured in micrograms per liter (µg/l).
All results are compared to the EGLE Part 201 Generic Cleanup Criteria, June 2018.
* Residential Drinking Water Criteria for 1,4-dioxane is derived from EGLE Proposed Rule Changes (September 2016) and Emergency Rules (October 27, 2016).
** Groundwater results for Trichloroethene and Vinyl Chloride are compared to the published EGLE Remediation and Redevelopment Division Target Detection Limit of 1.0 µg/l.
Bold Result exceeds residential Drinking Water criteria
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Abbreviations:
DW drinking water
EGLE Michigan Department of Environment, Great Lakes, and Energy
ft. bgs feet below ground surface
J estimated result
LTP Livonia Transmission Plant
NS Not Sampled
UB analyte detected in associated blank
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APPENDIX C

Off-Site Groundwater Field Sampling Logs



APPENDIX C

Off-site Groundwater Field Sampling Logs

Right-of-Way (ROW) Locations



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-72		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	15.8 degrees F.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.06	Total Depth (ft-bmp)	19.62	Water Column (ft.)	10.56	Gallons in Well	1.72	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.43					
Sample Time:	Label	13:10	Volume Purged	2.46 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	12:04						
	Purge End	13:12						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:05	0	150	9.06	0.00	7.74	10.54	7.71	4.97	9.8	-50.5	Clear	No Odor
12:10	5	150	9.06	0.20	7.56	11.23	5.80	3.87	9.7	-61.0	Clear	No Odor
12:15	5	150	9.06	0.40	7.50	11.32	2.17	2.92	8.8	-68.6	Clear	No Odor
12:20	5	150	9.09	0.60	7.50	11.46	1.50	2.79	8.4	-71.5	Clear	No Odor
12:25	5	150	9.06	0.80	7.51	11.37	2.27	2.65	8.9	-76.4	Clear	No Odor
12:30	5	150	9.06	1.00	7.51	11.36	0.52	2.29	9.5	-79.7	Clear	No Odor
12:35	5	150	9.06	1.20	7.50	11.20	0.96	1.81	10.2	-82.3	Clear	No Odor
12:40	5	150	9.06	1.40	7.49	11.22	1.22	1.95	9.5	-80.0	Clear	No Odor
12:45	5	150	9.06	1.60	7.49	11.24	0.77	1.35	9.8	-84.6	Clear	No Odor
12:50	5	150	9.06	1.80	7.49	11.06	0.02	1.58	10.5	-87.2	Clear	No Odor
12:55	5	175	9.06	2.00	7.49	11.08	0.02	1.19	10.5	-89.0	Clear	No Odor
13:00	5	175	9.06	2.23	7.48	10.94	0.28	1.82	10.4	-89.0	Clear	No Odor
13:05	5	150	9.06	2.46	7.48	11.06	0.98	1.11	10.2	-89.7	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Belden ROW	Well Locked at Arrival:	yes	
Condition of Well:	Broken thread tabs,Fair,Missing bolts	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-72S		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	19.4 degrees F. The wind is blowing W/SW at 3.5 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.24	Total Depth (ft-bmp)	13.01	Water Column (ft.)	3.77	Gallons in Well	0.61	
		Pump Intake (ft-bmp)	10.74	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	3.93					
Sample Time:	Label	14:45	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	13:37						
	Purge End	14:49						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:40	0	150	9.34	0.00	7.96	3.38	64.90	4.61	7.1	14.6	Clear	No Odor
13:45	5	150	9.34	0.20	7.87	3.28	51.90	2.09	6.1	15.4	Clear	No Odor
13:50	5	150	9.34	0.40	7.87	3.13	40.00	2.70	7.2	15.9	Clear	No Odor
13:55	5	150	9.31	0.60	7.72	3.07	22.70	1.99	8.4	17.0	Clear	No Odor
14:00	5	150	9.31	0.80	7.68	3.04	25.30	1.96	8.4	19.3	Clear	No Odor
14:05	5	150	9.31	1.00	7.61	3.01	17.70	1.70	8.3	21.1	Clear	No Odor
14:10	5	150	9.31	1.20	7.51	3.01	4.02	0.90	9.1	19.0	Clear	No Odor
14:15	5	150	9.31	1.40	7.44	3.07	2.88	0.86	9.7	8.2	Clear	No Odor
14:20	5	150	9.31	1.60	7.42	3.11	1.25	0.88	9.8	-2.3	Clear	No Odor
14:25	5	150	9.31	1.80	7.42	3.17	0.02	1.15	8.5	-7.0	Clear	No Odor
14:30	5	150	9.31	2.00	7.42	3.23	0.02	1.17	8.0	-12.3	Clear	No Odor
14:35	5	150	9.31	2.20	7.41	3.24	0.02	1.00	8.3	-16.9	Clear	No Odor
14:40	5	150	9.31	2.40	7.41	3.23	0.02	1.48	8.5	-21.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Belden ROW	Well Locked at Arrival:	yes	
Condition of Well:	Broken thread tabs, Missing bolts, Poor	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-73D	Date	2-11-21			
Project Name/Location	Ford LTP			Weather	15.8 degrees F. The wind is blowing N at 11.5 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	13.5-18.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	6.98	Total Depth (ft-bmp)	17.35	Water Column (ft.)	10.37			
		Pump Intake (ft-bmp)	16.00	Purge Method	Low-Flow			
		Well Volumes Purged	1.63					
Sample Time:	Label	11:57	Volume Purged	2.76 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	10:54						
	Purge End	12:00						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [±0.3]	Total Gallons Purged	pH [±0.1]	Cond. (mS/cm) [±3%]	Turbidity (NTU) [±10%*]	DO (mg/L) [±10%]	Temp. (°C) [±3%]	Redox (mV) [±10mV]	Appearance	
											Color	Odor
10:55	0	175	7.12	0.00	7.50	12.23	41.90	2.60	7.1	67.5	Clear	No Odor
11:00	5	175	7.12	0.23	7.50	12.43	40.10	1.66	6.9	61.2	Clear, Small Orange Particulates	No Odor
11:05	5	175	7.12	0.46	7.51	12.27	40.00	1.19	7.7	41.6	Clear, Small Orange Particulates	No Odor
11:10	5	175	7.12	0.69	7.51	12.04	40.00	1.04	8.1	23.3	Clear, Small White Particulates	No Odor
11:15	5	175	7.12	0.92	7.51	11.97	38.00	0.97	8.2	2.5	Clear, Small White Particulates	No Odor
11:20	5	175	7.12	1.15	7.50	11.89	32.80	0.90	8.4	-15.0	Clear, Small White Particulates	No Odor
11:25	5	175	7.12	1.38	7.50	11.89	35.10	0.83	8.4	-25.3	Clear, Small White Particulates	No Odor
11:30	5	175	7.12	1.61	7.50	11.78	35.50	0.89	8.4	-31.8	Clear, Small White Particulates	No Odor
11:35	5	175	7.12	1.84	7.50	11.99	29.10	0.83	8.9	-37.5	Clear, Small White Particulates	No Odor
11:40	5	175	7.12	2.07	7.50	12.09	24.00	0.85	9.2	-41.4	Clear, Small White Particulates	No Odor
11:45	5	175	7.16	2.30	7.50	12.16	26.10	0.68	9.1	-45.4	Clear, Small White Particulates	No Odor
11:50	5	175	7.16	2.53	7.49	12.20	35.90	0.75	8.5	-45.6	Clear, Small White Particulates	No Odor
11:55	5	175	7.16	2.76	7.48	12.26	32.40	0.74	8.6	-45.8	Clear, Small White Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Belden ROW	Well Locked at Arrival:	yes	
Condition of Well:	Broken thread tabs, Missing bolts, Poor	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-73SR	Date	2-11-21	
Project Name/Location	Ford LTP			Weather	10.4 degrees F. The wind is blowing N at 6.9 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	
Static Water Level (ft-bmp)	6.99	Total Depth (ft-bmp)	12.39	Water Column (ft.)	5.40	
		Pump Intake (ft-bmp)	8.49	Gallons in Well	0.88	
		Well Volumes Purged	3.14	Purge Method	Low-Flow	
Sample Time:	Label	10:17	Volume Purged	2.76 gallons	Replicate/Code No.	--
	Purge Start	9:12			Sampled by	Allyson Hartz
	Purge End	10:22				

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:15	0	175	7.01	0.00	6.65	6.22	25.20	0.79	7.1	172.3	Clear, Small Orange Particulates	No Odor
9:20	5	175	7.01	0.23	6.85	6.83	23.70	0.57	6.8	122.0	Clear, Small Orange Particulates	No Odor
9:25	5	175	7.01	0.46	6.95	7.21	21.90	0.47	6.0	94.6	Clear, Small Orange Particulates	No Odor
9:30	5	175	7.01	0.69	6.97	7.53	22.60	0.42	6.2	73.0	Clear, Small Orange Particulates	No Odor
9:35	5	175	7.01	0.92	7.01	7.69	16.40	0.49	6.0	47.6	Clear, Small Orange Particulates	No Odor
9:40	5	175	7.01	1.15	7.02	7.73	13.80	0.39	6.0	38.8	Clear, Small Orange Particulates	No Odor
9:45	5	175	7.01	1.38	7.03	7.70	12.30	0.23	5.8	26.3	Clear, Small Orange Particulates	No Odor
9:50	5	175	7.01	1.61	7.04	7.74	8.59	0.23	5.7	18.0	Clear, Small Orange Particulates	No Odor
9:55	5	175	7.01	1.84	7.03	7.60	9.21	0.22	5.9	12.0	Clear	No Odor
10:00	5	175	7.01	2.07	7.03	7.85	8.40	0.34	5.1	8.4	Clear	No Odor
10:05	5	175	7.01	2.30	7.04	7.66	8.70	0.20	5.5	5.6	Clear	No Odor
10:10	5	175	7.01	2.53	7.04	6.99	40.00	0.21	5.1	1.2	Clear	No Odor
10:15	5	175	7.01	2.76	7.02	7.45	40.00	0.23	5.0	2.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Belden ROW	Well Locked at Arrival:	yes	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-74		Date	2-11-21	
Project Name/Location	Ford LTP		Weather	19.0 degrees F and Partly Cloudy. The wind is blowing N at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	14-19	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.84	Total Depth (ft-bmp)	18.67	Water Column (ft.)	10.83	Gallons in Well	1.76	
		Pump Intake (ft-bmp)	16.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.57					
Sample Time:	Label	13:57	Volume Purged	2.76 gallons	Replicate/Code No.	DUP-09	Sampled by	
	Purge Start	12:49					Allyson Hartz	
	Purge End	14:03						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:50	0	175	7.85	0.00	7.43	6.31	95.20	2.15	8.7	-35.2	Clear, Small Orange Particulates	No Odor
12:55	5	175	7.85	0.23	7.41	6.33	72.00	0.74	9.7	-48.8	Clear, Small Orange Particulates	No Odor
13:00	5	175	7.85	0.46	7.39	6.57	87.50	0.40	9.6	-64.3	Clear, Small Orange Particulates	No Odor
13:05	5	175	7.85	0.69	7.38	6.71	71.00	0.30	9.3	-69.3	Clear, Small Orange Particulates	No Odor
13:10	5	175	7.85	0.92	7.38	6.83	78.00	0.27	9.5	-71.4	Clear, Small Orange Particulates	No Odor
13:15	5	175	7.85	1.15	7.37	7.01	68.20	0.24	9.3	-72.9	Clear, Small Orange Particulates	No Odor
13:20	5	175	7.85	1.38	7.36	7.07	62.50	0.20	9.5	-74.4	Clear, Small Orange Particulates	No Odor
13:25	5	175	7.85	1.61	7.37	7.13	55.20	0.20	8.9	-75.1	Clear, Small Orange Particulates	No Odor
13:30	5	175	7.85	1.84	7.36	7.21	47.10	0.17	8.9	-75.7	Clear, Small Orange Particulates	No Odor
13:35	5	175	7.85	2.07	7.36	7.26	45.00	0.17	9.3	-77.1	Clear, Small Orange Particulates	No Odor
13:40	5	175	7.85	2.30	7.36	7.31	40.00	0.17	9.1	-77.3	Clear, Small Orange Particulates	No Odor
13:45	5	175	7.85	2.53	7.35	7.36	54.00	0.14	9.2	-78.2	Clear, Small Orange Particulates	No Odor
13:50	5	175	7.85	2.76	7.35	7.45	54.20	0.50	9.1	-79.0	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Belden ROW	Well Locked at Arrival:	yes	
Condition of Well:	Broken thread tabs, Missing bolts, Poor	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-74S	Date	2-11-21	
Project Name/Location	Ford LTP		Weather	23.0 degrees F and Partly Cloudy.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2	
Static Water Level (ft-bmp)	7.84	Total Depth (ft-bmp)	12.77	Water Column (ft.)	4.93	
		Pump Intake (ft-bmp)	9.34	Gallons in Well	0.80	
		Well Volumes Purged	3.38	Purge Method	Low-Flow	
Sample Time:	Label	15:32	Volume Purged	2.7 gallons	Replicate/Code No.	--
	Purge Start	14:26			Sampled by	Allyson Hartz
	Purge End	15:35				

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:30	0	175	7.84	0.00	6.91	7.89	18.50	1.01	7.5	18.9	Clear, Small Orange Particulates	No Odor
14:35	5	150	7.84	0.23	6.89	8.65	5.00	0.79	6.6	9.4	Clear, Small Orange Particulates	No Odor
14:40	5	150	7.84	0.43	6.90	8.92	1.57	0.59	7.3	-0.2	Clear, Small Orange Particulates	No Odor
14:45	5	175	7.84	0.63	6.90	9.15	1.60	0.48	6.5	-3.7	Clear	No Odor
14:50	5	175	7.84	0.86	6.90	9.48	3.83	0.38	6.9	-5.8	Clear	No Odor
14:55	5	175	7.84	1.09	6.90	9.57	3.82	0.48	7.2	-6.3	Clear	No Odor
15:00	5	175	7.84	1.32	6.91	9.59	3.03	0.49	7.3	-6.5	Clear	No Odor
15:05	5	175	7.84	1.55	6.93	10.11	5.23	0.41	6.8	-6.6	Clear	No Odor
15:10	5	175	7.84	1.78	6.93	9.82	5.43	0.35	7.0	-7.6	Clear	No Odor
15:15	5	175	7.84	2.01	6.92	9.71	5.49	0.36	7.3	-8.2	Clear	No Odor
15:20	5	175	7.84	2.24	6.93	9.72	5.85	0.33	7.3	-9.0	Clear	No Odor
15:25	5	175	7.84	2.47	6.93	9.46	6.88	0.30	7.5	-9.2	Clear	No Odor
15:30	5	175	7.84	2.70	6.92	9.53	7.46	0.48	7.6	-9.4	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Belden ROW	Well Locked at Arrival:	yes	
Condition of Well:	Broken thread tabs, Missing bolts, Poor	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-75D	Date	2-10-21
Project Name/Location	Ford LTP		Weather	15.8 degrees F.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	6.77	Total Depth (ft-bmp)	16.66	Water Column (ft.)	9.89
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow
		Well Volumes Purged	1.49		
Sample Time:	Label	11:30	Volume Purged	2.4 gallons	Replicate/Code No.
	Purge Start	10:22			DUP-11
	Purge End	11:35			Sampled by
					Allyson Hartz

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:25	0	150	6.87	0.00	7.92	5.57	40.00	1.60	9.6	-101.9	Clear	No Odor
10:30	5	150	6.87	0.20	7.90	5.89	40.00	1.65	8.9	-125.7	Clear	No Odor
10:35	5	150	6.87	0.40	7.89	5.86	36.40	1.63	8.8	-136.7	Clear	No Odor
10:40	5	150	6.87	0.60	7.90	5.95	35.30	1.78	7.5	-140.3	Clear	No Odor
10:45	5	150	6.87	0.80	7.90	5.87	29.20	1.72	7.9	-141.2	Clear	No Odor
10:50	5	150	6.87	1.00	7.90	5.89	32.70	1.63	8.1	-142.7	Clear	No Odor
10:55	5	150	6.87	1.20	7.89	5.81	29.30	1.54	8.0	-143.1	Clear	No Odor
11:00	5	150	6.87	1.40	7.89	5.78	23.40	1.45	8.1	-143.4	Clear	No Odor
11:05	5	150	6.87	1.60	7.88	5.76	25.80	1.33	8.5	-143.7	Clear	No Odor
11:10	5	150	6.87	1.80	7.88	5.73	22.90	1.26	8.5	-143.3	Clear	No Odor
11:15	5	150	6.87	2.00	7.87	5.70	19.00	1.27	8.3	-142.9	Clear	No Odor
11:20	5	150	6.87	2.20	7.87	5.67	22.00	1.17	8.0	-141.4	Clear	No Odor
11:25	5	150	6.87	2.40	7.86	5.68	20.80	1.17	8.3	-141.1	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Belden ROW	Well Locked at Arrival:	yes	
Condition of Well:	Broken thread tabs, Missing bolts, Poor	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-75SR		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	10.4 degrees F.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.86	Total Depth (ft-bmp)	12.36	Water Column (ft.)	5.50	Gallons in Well	0.89	
		Pump Intake (ft-bmp)	8.36	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.88					
Sample Time:	Label	10:00	Volume Purged	2.56 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	8:59						
	Purge End	10:04						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:00	0	200	6.87	0.00	6.84	2.12	1.61	11.54	7.6	252.2	Clear	No Odor
9:05	5	175	6.87	0.26	7.51	2.14	3.23	11.44	7.5	218.8	Clear	No Odor
9:10	5	175	6.87	0.49	7.67	2.11	3.21	11.28	6.8	214.9	Clear	No Odor
9:15	5	175	6.87	0.72	7.70	2.11	3.20	11.08	6.7	215.8	Clear	No Odor
9:20	5	175	6.87	0.95	7.78	2.36	2.12	11.09	6.5	216.5	Clear	No Odor
9:25	5	175	6.87	1.18	7.79	2.49	1.03	10.88	6.4	216.9	Clear	No Odor
9:30	5	175	6.87	1.41	7.78	2.55	1.16	10.55	6.5	217.5	Clear	No Odor
9:35	5	175	6.87	1.64	7.79	2.59	0.74	10.72	6.4	217.6	Clear	No Odor
9:40	5	175	6.87	1.87	7.80	2.63	0.02	10.42	5.9	218.0	Clear	No Odor
9:45	5	175	6.87	2.10	7.81	2.66	0.02	10.14	6.2	217.7	Clear	No Odor
9:50	5	175	6.87	2.33	7.81	2.69	0.02	9.85	6.3	217.1	Clear	No Odor
9:55	5	175	6.87	2.56	7.81	2.70	0.02	9.83	6.3	216.4	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Belden ROW	Well Locked at Arrival:	yes	
Condition of Well:	Broken thread tabs, Missing bolts, Poor	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-76			Date	2-12-21
Project Name/Location	Ford LTP		Weather		19.0 degrees F. The wind is blowing N at 8.1 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	10.69	Total Depth (ft-bmp)	19.63	Water Column (ft.)	8.94	Gallons in Well	1.45
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.95				
Sample Time:	Label	13:20	Volume Purged	1.38 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:43					Allyson Hartz
	Purge End	13:22					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Belden ROW	Well Locked at Arrival:	yes
Condition of Well:	Fair	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-76S		Date	2-12-21	
Project Name/Location	Ford LTP		Weather	21.2 degrees F. The wind is blowing N at 8.1 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-14.5	Casing Diameter (in.)	2	Gallons in Well	0.56	
Static Water Level (ft-bmp)	10.68	Total Depth (ft-bmp)	14.12	Water Column (ft.)	3.44	Sample Method	Grab	
		Pump Intake (ft-bmp)	12.18	Purge Method	Low-Flow			
		Well Volumes Purged	4.93					
Sample Time:	Label	15:12	Volume Purged	2.76 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	14:09						
	Purge End	15:15						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:10	0	175	10.62	0.00	7.57	4.96	287.00	2.00	10.1	53.9	Cloudy, Orange	No Odor
14:15	5	175	10.62	0.23	7.30	6.62	177.00	0.57	10.1	32.2	Cloudy, Orange, Small Orange Particulates	No Odor
14:20	5	175	10.62	0.46	7.39	6.26	118.00	0.71	9.4	14.6	Clear, Small Orange Particulates	No Odor
14:25	5	175	10.62	0.69	7.40	6.10	96.70	0.67	9.4	4.3	Clear, Small Orange Particulates	No Odor
14:30	5	175	10.62	0.92	7.40	6.10	84.40	0.70	9.4	-2.3	Clear, Small Orange Particulates	No Odor
14:35	5	175	10.62	1.15	7.40	6.19	67.00	0.60	9.4	-6.3	Clear, Small Orange Particulates	No Odor
14:40	5	175	10.62	1.38	7.41	6.17	58.10	0.61	9.5	-7.8	Clear, Small Orange Particulates	No Odor
14:45	5	175	10.62	1.61	7.41	6.30	48.40	0.55	9.6	-10.7	Clear, Small Orange Particulates	No Odor
14:50	5	175	10.62	1.84	7.40	6.37	40.00	0.46	9.9	-14.5	Clear, Small Orange Particulates	No Odor
14:55	5	175	10.62	2.07	7.40	6.42	40.00	0.48	9.4	-14.8	Clear, Small Orange Particulates	No Odor
15:00	5	175	10.62	2.30	7.40	6.44	40.00	0.47	9.6	-16.7	Clear, Small Orange Particulates	No Odor
15:05	5	175	10.62	2.53	7.40	6.51	40.00	0.39	9.8	-17.3	Clear, Small Orange Particulates	No Odor
15:10	5	175	10.62	2.76	7.40	6.49	40.00	0.42	9.8	-19.6	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Belden ROW	Well Locked at Arrival:	yes	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-77		Date	2-11-21	
Project Name/Location	Ford LTP		Weather	19.4 degrees F. The wind is blowing N at 3.5 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-14	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	5.57	Total Depth (ft-bmp)	13.74	Water Column (ft.)	8.17	Gallons in Well	1.33	
		Pump Intake (ft-bmp)	11.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.38					
Sample Time:	Label	13:55	Volume Purged	1.83 gallons	Replicate/Code No.	--	Sampled by	Andrew Banitt
	Purge Start	12:56						
	Purge End	13:58						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:57	0	140	5.58	0.00	6.50	2.28	0.02	2.16	8.4	137.8	Clear	No Odor
13:02	5	120	5.57	0.18	7.10	2.22	0.02	0.34	7.8	92.5	Clear	No Odor
13:07	5	110	5.57	0.34	7.24	2.15	0.02	0.33	6.9	66.2	Clear	No Odor
13:12	5	115	5.58	0.49	7.34	2.03	0.02	0.19	8.2	40.7	Clear	No Odor
13:17	5	125	5.58	0.64	7.40	1.94	0.02	0.19	8.6	13.3	Clear	No Odor
13:22	5	125	5.58	0.81	7.41	1.87	0.02	0.13	8.8	-3.6	Clear	No Odor
13:27	5	125	5.58	0.98	7.41	1.78	0.02	0.11	8.4	-18.2	Clear	No Odor
13:32	5	125	5.58	1.15	7.42	1.76	0.02	0.13	8.4	-33.0	Clear	No Odor
13:37	5	125	5.58	1.32	7.43	1.77	0.02	0.11	8.5	-45.1	Clear	No Odor
13:42	5	125	5.58	1.49	7.43	1.77	0.02	0.11	8.5	-51.8	Clear	No Odor
13:47	5	125	5.58	1.66	7.43	1.74	0.02	0.12	8.6	-57.4	Clear	No Odor
13:52	5	125	5.58	1.83	7.44	1.74	0.02	0.12	8.5	-61.6	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Brewster ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-77S		Date	2-11-21	
Project Name/Location	Ford LTP		Weather	15.8 degrees F. The wind is blowing N at 9.2 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Gallons in Well	1.09	
Static Water Level (ft-bmp)	5.48	Total Depth (ft-bmp)	12.18	Water Column (ft.)	6.70	Sample Method	Grab	
		Pump Intake (ft-bmp)	6.98	Purge Method	Low-Flow			
		Well Volumes Purged	1.85					
Sample Time:	Label	12:12	Volume Purged	2.02 gallons	Replicate/Code No.	MW-77S-MS_021121, MW-77S-MSD_021121	Sampled by	Andrew Banitt
	Purge Start	11:09						
	Purge End	12:27						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:10	0	140	5.50	0.00	6.65	0.79	0.02	1.65	7.2	238.2	Clear	No Odor
11:15	5	140	5.50	0.18	7.04	0.69	0.35	0.83	7.9	220.5	Clear	No Odor
11:20	5	125	5.50	0.36	7.17	0.67	0.63	0.80	7.4	195.2	Clear	No Odor
11:25	5	125	5.50	0.53	7.28	0.67	0.05	0.70	7.5	177.6	Clear	No Odor
11:30	5	125	5.50	0.70	7.29	0.68	0.02	0.69	7.3	166.4	Clear	No Odor
11:35	5	125	5.50	0.87	7.39	0.76	0.02	0.38	7.5	154.3	Clear	No Odor
11:40	5	125	5.50	1.04	7.38	0.84	0.02	0.31	7.2	146.9	Clear	No Odor
11:45	5	125	5.50	1.19	7.49	0.92	0.02	0.31	7.7	132.7	Clear	No Odor
11:50	5	125	5.50	1.36	7.52	0.99	0.02	0.27	7.9	126.3	Clear	No Odor
11:55	5	125	5.50	1.53	7.48	1.03	0.02	0.27	7.9	125.3	Clear	No Odor
12:00	5	120	5.50	1.70	7.49	1.07	0.02	0.27	8.0	121.1	Clear	No Odor
12:05	5	120	5.50	1.86	7.48	1.07	0.02	0.33	7.8	117.9	Clear	No Odor
12:10	5	120	5.50	2.02	7.45	1.07	0.02	0.27	8.0	116.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Boston Post ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-78			Date	2-24-21
Project Name/Location	Ford LTP		Weather	39.0 degrees F and Mostly Clear. The wind is blowing S/SW at 13.9 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	3.26	Total Depth (ft-bmp)	11.75	Water Column (ft.)	8.49	Gallons in Well	1.38
		Pump Intake (ft-bmp)	9.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.66				
Sample Time:	Label	10:15	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:34					Emma Witherspoon
	Purge End	10:19					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Beacon ROW	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-78S		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	25.0 degrees F and Cloudy. The wind is blowing NE at 8.1 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Gallons in Well	1.45	
Static Water Level (ft-bmp)	3.65	Total Depth (ft-bmp)	12.55	Water Column (ft.)	8.90	Sample Method	Grab	
		Pump Intake (ft-bmp)	5.15	Purge Method	Low-Flow			
		Well Volumes Purged	1.38					
Sample Time:	Label	16:46	Volume Purged	2 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	15:53						
	Purge End	16:57						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:55	0	150	3.68	0.00	7.49	4.37	9.26	0.44	7.8	-2.7	Clear	No Odor
16:00	5	150	3.70	0.20	7.50	4.37	8.13	0.21	7.7	-16.6	Clear	No Odor
16:05	5	150	3.70	0.40	7.51	4.31	8.45	0.17	7.5	-27.2	Clear	No Odor
16:10	5	150	3.70	0.60	7.55	4.10	5.53	0.16	7.2	-38.1	Clear	No Odor
16:15	5	150	3.70	0.80	7.57	3.75	3.95	0.14	7.3	-49.0	Clear	No Odor
16:20	5	150	3.70	1.00	7.57	3.49	2.22	0.14	7.2	-56.3	Clear	No Odor
16:25	5	150	3.70	1.20	7.57	3.32	1.93	0.14	7.2	-60.7	Clear	No Odor
16:30	5	150	3.70	1.40	7.57	3.20	1.67	0.13	7.1	-63.8	Clear	No Odor
16:35	5	150	3.70	1.60	7.57	3.11	1.43	0.15	7.2	-66.9	Clear	No Odor
16:40	5	150	3.70	1.80	7.56	3.10	1.53	0.21	7.1	-67.5	Clear	No Odor
16:45	5	150	3.70	2.00	7.57	3.07	1.25	0.22	7.0	-68.6	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	MW-78S	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-79D			Date	2-12-21
Project Name/Location	Ford LTP		Weather			15.8 degrees F. The wind is blowing NE at 8.1 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	10-15	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	5.90	Total Depth (ft-bmp)	14.64	Water Column (ft.)	8.74	Gallons in Well	1.42
		Pump Intake (ft-bmp)	12.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.55				
Sample Time:	Label	10:46	Volume Purged	2.2 gallons	Replicate/Code No.	DUP-14	Sampled by
	Purge Start	9:48					Gary Schafer
	Purge End	11:02					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Boston ROW	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-79SR		Date	2-12-21	
Project Name/Location	Ford LTP		Weather	18.0 degrees F and Cloudy. The wind is blowing N/NE at 8.1 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Gallons in Well	1.05	
Static Water Level (ft-bmp)	5.80	Total Depth (ft-bmp)	12.25	Water Column (ft.)	6.45	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.30	Purge Method	Low-Flow			
		Well Volumes Purged	1.52					
Sample Time:	Label	12:46	Volume Purged	1.6 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	12:02						
	Purge End	12:55						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:05	0	150	5.80	0.00	7.11	4.31	14.30	1.30	9.0	-57.6	Clear, Small White Particulates	Faint Odor
12:10	5	150	5.80	0.20	7.12	4.24	128.00	0.27	9.0	-61.1	Clear, Small White Particulates	Faint Odor
12:15	5	150	5.80	0.40	7.12	4.18	10.30	0.24	8.9	-63.0	Clear, Small White Particulates	Faint Odor
12:20	5	150	5.80	0.60	7.13	4.12	7.70	0.21	8.8	-64.1	Clear, Small White Particulates	Faint Odor
12:25	5	150	5.80	0.80	7.13	4.07	5.46	0.21	8.9	-65.1	Clear, Small White Particulates	Faint Odor
12:30	5	150	5.80	1.00	7.15	3.94	5.29	0.21	8.7	-66.5	Clear, Small White Particulates	Faint Odor
12:35	5	150	5.80	1.20	7.15	3.99	4.50	0.22	8.8	-66.6	Clear, Small White Particulates	Faint Odor
12:40	5	150	5.80	1.40	7.15	3.90	4.23	0.19	8.9	-67.0	Clear, Small White Particulates	Faint Odor
12:45	5	150	5.80	1.60	7.15	3.91	3.82	0.21	8.8	-66.9	Clear	Faint Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	Boston ROW	Well Locked at Arrival:	yes		
Condition of Well:	Good	Well Locked at Departure:	n/a		
Well Completion:	Flush mount	Lock Functioning:	yes		



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-80SR		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	15.8 degrees F.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Gallons in Well	1.41	
Static Water Level (ft-bmp)	3.50	Total Depth (ft-bmp)	12.20	Water Column (ft.)	8.70	Sample Method	Grab	
		Pump Intake (ft-bmp)	5.00	Purge Method	Low-Flow			
		Well Volumes Purged	0.85					
Sample Time:	Label	10:45	Volume Purged	1.2 gallons	Replicate/Code No.	DUP-08	Sampled by	Emma Witherspoon
	Purge Start	10:05						
	Purge End	10:54						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:10	0	150	3.55	0.00	6.95	2.19	21.60	0.48	5.8	-35.0	Clear, Small Orange Particulates	No Odor
10:15	5	150	3.55	0.20	6.96	2.19	6.45	0.34	5.9	-41.4	Clear, Small Orange Particulates	No Odor
10:20	5	150	3.55	0.40	6.98	2.18	2.50	0.26	5.6	-44.2	Clear	No Odor
10:25	5	150	3.55	0.60	6.99	2.14	1.86	0.15	6.0	-50.0	Clear, Small Orange Particulates	No Odor
10:30	5	150	3.55	0.80	7.00	2.12	1.09	0.08	5.6	-52.8	Clear	No Odor
10:35	5	150	3.55	1.00	7.01	2.11	0.42	0.09	5.6	-56.3	Clear	No Odor
10:40	5	150	3.55	1.20	7.02	2.09	0.26	0.08	5.6	-59.6	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Brewster ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-81		Date	2-17-21	
Project Name/Location	Ford LTP		Weather	5.0 degrees F.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2	Gallons in Well	0.87	
Static Water Level (ft-bmp)	7.31	Total Depth (ft-bmp)	12.66	Water Column (ft.)	5.35	Sample Method	Grab	
		Pump Intake (ft-bmp)	10.50	Purge Method	Low-Flow			
		Well Volumes Purged	3.17					
Sample Time:	Label	11:15	Volume Purged	2.76 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	10:09						
	Purge End	11:17						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:10	0	175	7.66	0.00	7.40	2.22	40.00	1.30	7.6	141.6	Clear	No Odor
10:15	5	175	7.66	0.23	7.35	2.23	40.00	0.95	7.5	137.9	Clear, Small Black Particulates	No Odor
10:20	5	175	7.66	0.46	7.29	2.23	40.00	0.88	7.5	123.3	Clear, Small Black Particulates	No Odor
10:25	5	175	7.66	0.69	7.29	2.24	40.00	0.76	7.5	105.7	Clear	No Odor
10:30	5	175	7.66	0.92	7.28	2.24	40.00	0.63	7.8	90.3	Clear, Small Black Particulates	No Odor
10:35	5	175	7.66	1.15	7.28	2.24	40.00	0.61	7.7	80.7	Clear, Small Black Particulates	No Odor
10:40	5	175	7.66	1.38	7.28	2.24	40.00	0.53	7.9	66.1	Clear, Small Black Particulates	No Odor
10:45	5	175	7.66	1.61	7.29	2.24	39.00	0.58	7.7	61.3	Clear, Small Black Particulates	No Odor
10:50	5	175	7.66	1.84	7.30	2.23	34.20	0.48	7.7	56.1	Clear, Small Black Particulates	No Odor
10:55	5	175	7.66	2.07	7.30	2.22	28.00	0.40	7.9	51.4	Clear, Small Black Particulates	No Odor
11:00	5	175	7.66	2.30	7.30	2.18	19.40	0.35	7.9	46.3	Clear, Small Black Particulates	No Odor
11:05	5	175	7.66	2.53	7.31	2.16	16.70	0.38	7.9	44.6	Clear, Small Black Particulates	No Odor
11:10	5	175	7.66	2.76	7.31	2.14	11.00	0.36	7.9	43.1	Clear, Small Black Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Stark ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-81S		Date	2-17-21	
Project Name/Location	Ford LTP		Weather	-2.2 degrees F.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Gallons in Well	0.80	
Static Water Level (ft-bmp)	7.62	Total Depth (ft-bmp)	12.54	Water Column (ft.)	4.92	Sample Method	Grab	
		Pump Intake (ft-bmp)	9.12	Purge Method	Low-Flow			
		Well Volumes Purged	3.11					
Sample Time:	Label	9:38	Volume Purged	2.49 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	8:34						
	Purge End	9:40						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%]*	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:35	0	175	8.31	0.00	7.60	2.42	40.00	5.33	6.5	230.4	Clear	No Odor
8:40	5	175	8.31	0.23	7.70	2.22	60.90	0.84	6.5	189.2	Clear	No Odor
8:45	5	175	8.46	0.46	7.70	2.20	49.70	0.90	9.3	169.5	Clear	No Odor
8:50	5	150	8.52	0.69	7.66	2.19	68.80	1.05	6.5	166.7	Clear	No Odor
8:55	5	150	8.55	0.89	7.64	2.15	73.50	0.55	6.8	160.0	Clear	No Odor
9:00	5	150	8.49	1.09	7.60	2.13	72.30	0.49	7.0	163.3	Clear, Small Black Particulates	No Odor
9:05	5	150	8.22	1.29	7.61	2.15	66.00	0.45	6.3	149.5	Clear, Small Black Particulates	No Odor
9:10	5	150	8.22	1.49	7.60	2.10	66.00	0.44	6.3	147.2	Clear, Small Black Particulates	No Odor
9:15	5	150	8.31	1.69	7.59	2.12	66.00	0.43	6.3	138.6	Clear, Small Black Particulates	No Odor
9:20	5	150	8.31	1.89	7.56	2.13	66.00	0.49	5.9	132.2	Clear, Small Black Particulates	No Odor
9:25	5	150	8.31	2.09	7.55	2.11	66.00	0.49	6.0	131.1	Clear, Small Black Particulates	No Odor
9:30	5	150	8.26	2.29	7.54	2.11	48.80	0.52	5.2	127.9	Clear, Small Black Particulates	No Odor
9:35	5	150	8.26	2.49	7.53	2.08	42.60	0.62	6.2	125.7	Clear, Small Black Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Stark ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-82D		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	18.0 degrees F and Light Snow. The wind is blowing N/NE at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	18-23	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.58	Total Depth (ft-bmp)	22.73	Water Column (ft.)	14.15	Gallons in Well	2.30	
		Pump Intake (ft-bmp)	20.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.20					
Sample Time:	Label	10:45	Volume Purged	2.76 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	9:39					Allyson Hartz	
	Purge End	10:47						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:40	0	175	8.65	0.00	7.15	1.58	2.51	2.49	8.0	176.0	Clear	Slight Odor
9:45	5	175	8.65	0.23	7.23	1.37	8.12	0.42	8.8	92.8	Clear, Small Black Particulates	Slight Odor
9:50	5	175	8.65	0.46	7.28	1.39	0.02	0.24	8.4	64.4	Clear, Small Black Particulates	Slight Odor
9:55	5	175	8.65	0.69	7.29	1.43	0.75	0.22	8.6	46.8	Clear, Small Black Particulates	Slight Odor
10:00	5	175	8.61	0.92	7.29	1.49	3.02	0.18	8.6	29.8	Clear, Small Black Particulates	Slight Odor
10:05	5	175	8.61	1.15	7.29	1.52	3.02	0.21	8.4	12.3	Clear	No Odor
10:10	5	175	8.61	1.38	7.29	1.52	7.06	0.28	8.4	3.3	Clear, Small Black Particulates	No Odor
10:15	5	175	8.61	1.61	7.30	1.54	6.92	0.21	8.5	-7.4	Clear, Small Black Particulates	Slight Odor
10:20	5	175	8.61	1.84	7.30	1.54	7.78	0.22	8.4	-13.0	Clear, Small Black Particulates	Slight Odor
10:25	5	175	8.61	2.07	7.30	1.56	8.49	0.18	8.3	-18.0	Clear, Small Black Particulates	Slight Odor
10:30	5	175	8.61	2.30	7.30	1.57	4.51	0.17	8.5	-22.5	Clear, Small Black Particulates	Slight Odor
10:35	5	175	8.61	2.53	7.30	1.57	5.53	0.22	7.8	-25.5	Clear, Small Black Particulates	No Odor
10:40	5	175	8.65	2.76	7.30	1.58	5.53	0.20	7.7	-29.3	Clear, Small Black Particulates	Slight Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	Stark ROW	Well Locked at Arrival:	yes		
Condition of Well:	Good	Well Locked at Departure:	n/a		
Well Completion:	Flush mount	Lock Functioning:	yes		



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-82SR		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	19.9 degrees F and Light Snow. The wind is blowing NE at 11.4 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-15	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.52	Total Depth (ft-bmp)	16.11	Water Column (ft.)	7.59	Gallons in Well	1.23	
		Pump Intake (ft-bmp)	10.02	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.28					
Sample Time:	Label	11:45	Volume Purged	1.58 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	11:04						
	Purge End	11:47						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:05	0	175	8.01	0.00	7.18	1.40	5.03	1.92	5.8	-0.7	Clear	No Odor
11:10	5	175	8.01	0.23	7.15	1.41	40.00	1.54	4.2	7.6	Clear	No Odor
11:15	5	150	8.01	0.46	7.12	1.39	40.00	2.79	6.3	15.8	Clear	No Odor
11:20	5	175	8.01	0.66	7.12	1.39	40.00	1.86	6.6	16.1	Clear	No Odor
11:25	5	175	8.01	0.89	7.11	1.39	40.00	0.97	7.1	16.3	Clear	No Odor
11:30	5	175	8.01	1.12	7.09	1.38	40.00	0.56	7.2	14.9	Clear	No Odor
11:35	5	175	8.01	1.35	7.10	1.38	40.00	0.59	7.0	15.4	Clear	No Odor
11:40	5	175	8.01	1.58	7.10	1.38	40.00	0.55	7.1	15.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	Stark ROW	Well Locked at Arrival:	yes		
Condition of Well:	Good	Well Locked at Departure:	n/a		
Well Completion:	Flush mount	Lock Functioning:	yes		

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-83			Date	2-22-21
Project Name/Location	Ford LTP		Weather				34.0 degrees F and Cloudy and Windy. The wind is blowing W/SW at 19.7 mph.
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.89	Total Depth (ft-bmp)	12.43	Water Column (ft.)	4.54	Gallons in Well	0.74
		Pump Intake (ft-bmp)	10.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	2.18				
Sample Time:	Label	13:37	Volume Purged	1.61 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:59					Allyson Hartz
	Purge End	13:40					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	Stark ROW	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	yes

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-83S			Date	2-22-21
Project Name/Location	Ford LTP		Weather		34.0 degrees F and Cloudy.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.14	Total Depth (ft-bmp)	12.79	Water Column (ft.)	4.65	Gallons in Well	0.76
		Pump Intake (ft-bmp)	9.64	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.82				
Sample Time:	Label	14:45	Volume Purged	1.38 gallons	Replicate/Code No.	MW-83S-MS_022221, MW-83S-MSD_022221	Sampled by
	Purge Start	14:09					Allyson Hartz
	Purge End	14:55					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information	
Well Location:	Stark ROW
Condition of Well:	Good
Well Completion:	Flush mount

Well Information	
Well Locked at Arrival:	yes
Well Locked at Departure:	n/a
Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-84		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	21.0 degrees F and Light Snow. The wind is blowing NE at 8.1 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2	Gallons in Well	1.23	
Static Water Level (ft-bmp)	4.95	Total Depth (ft-bmp)	12.55	Water Column (ft.)	7.60	Sample Method	Grab	
		Pump Intake (ft-bmp)	10.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.30					
Sample Time:	Label	13:31	Volume Purged	1.6 gallons	Replicate/Code No.	MW-84-MS_021821, MW-84-MSD_021821	Sampled by	Gary Schafer
	Purge Start	12:57						
	Purge End	13:56						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:00	0	150	5.00	0.00	7.22	3.63	21.40	0.54	8.9	35.0	Clear, Small Brown Particulates	No Odor
13:05	5	150	5.00	0.20	7.22	3.65	8.26	0.40	9.0	20.6	Clear, Small White Particulates	No Odor
13:10	5	150	5.00	0.40	7.23	3.72	6.80	0.27	8.9	12.4	Clear, Small White Particulates	No Odor
13:15	5	150	5.00	0.60	7.24	3.76	8.99	0.22	8.9	2.3	Clear, Small White Particulates	No Odor
13:20	5	150	5.00	0.80	7.25	3.76	3.99	0.25	8.9	-5.2	Clear, Small White Particulates	No Odor
13:25	5	150	5.00	1.00	7.26	3.79	2.13	0.21	8.9	-12.1	Clear	No Odor
13:30	5	150	5.00	1.20	7.27	3.79	2.21	0.21	8.9	-19.0	Clear	No Odor
13:35	5	150	5.00	1.40	7.28	3.80	2.34	0.23	8.9	-23.6	Clear	No Odor
13:40	5	150	5.00	1.60	7.29	3.80	2.00	0.21	8.9	-27.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	MW-84	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-84S		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	24.1 degrees F and Light Snow. The wind is blowing NE at 9.2 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Gallons in Well	1.23	
Static Water Level (ft-bmp)	5.15	Total Depth (ft-bmp)	12.70	Water Column (ft.)	7.55	Sample Method	Grab	
		Pump Intake (ft-bmp)	6.65	Purge Method	Low-Flow			
		Well Volumes Purged	1.63					
Sample Time:	Label	15:11	Volume Purged	2 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	14:18						
	Purge End	15:16						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:20	0	150	5.15	0.00	7.19	2.54	22.20	0.87	8.6	-28.2	Clear, Small White Particulates	No Odor
14:25	5	150	5.15	0.20	7.22	2.66	19.00	0.51	8.5	-53.1	Clear, Small White Particulates	No Odor
14:30	5	150	5.15	0.40	7.26	2.84	11.50	0.58	8.3	-66.1	Clear, Small White Particulates	No Odor
14:35	5	150	5.15	0.60	7.27	2.86	12.40	0.57	8.4	-67.3	Clear	No Odor
14:40	5	150	5.15	0.80	7.28	2.91	8.94	0.67	8.4	-70.4	Clear	No Odor
14:45	5	150	5.15	1.00	7.30	2.94	6.82	0.68	8.5	-70.6	Clear	No Odor
14:50	5	150	5.15	1.20	7.30	2.98	6.32	0.76	8.5	-71.4	Clear	No Odor
14:55	5	150	5.15	1.40	7.31	3.03	5.71	0.77	8.4	-72.0	Clear	No Odor
15:00	5	150	5.15	1.60	7.31	3.04	4.10	0.79	8.4	-71.7	Clear	No Odor
15:05	5	150	5.15	1.80	7.32	3.08	4.77	0.85	8.4	-70.0	Clear	No Odor
15:10	5	150	5.15	2.00	7.33	3.10	3.79	0.85	8.5	-68.4	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	MW-84S	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-85		Date	2-19-21	
Project Name/Location	Ford LTP		Weather	23.0 degrees F and Mostly Cloudy. The wind is blowing W at 6.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	5.76	Total Depth (ft-bmp)	12.68	Water Column (ft.)	6.92	Gallons in Well	1.12	
		Pump Intake (ft-bmp)	10.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.29					
Sample Time:	Label	13:15	Volume Purged	1.44 gallons	Replicate/Code No.	DUP-07	Sampled by	Kara Donahue
	Purge Start	12:07						
	Purge End	13:21						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:10	0	100	5.78	0.00	7.14	3.58	53.30	0.71	5.7	130.5	Clear, Small Orange Particulates	No Odor
12:15	5	100	5.78	0.13	7.18	3.57	58.90	0.27	5.8	50.9	Clear, Small Orange Particulates	No Odor
12:20	5	100	5.78	0.26	7.18	3.57	45.90	0.20	5.8	22.4	Clear, Small Orange Particulates	No Odor
12:25	5	100	5.78	0.39	7.18	3.58	30.00	0.19	5.7	1.7	Clear, Small Orange Particulates	No Odor
12:30	5	100	5.78	0.52	7.18	3.59	31.60	0.23	5.8	-9.1	Clear, Small Orange Particulates	No Odor
12:35	5	100	5.78	0.65	7.19	3.60	29.90	0.19	5.8	-17.4	Clear, Small Orange Particulates	No Odor
12:40	5	100	5.78	0.78	7.19	3.52	30.30	17.00	5.7	-21.9	Clear, Small Orange Particulates	No Odor
12:45	5	100	5.78	0.91	7.20	3.45	23.00	0.14	5.8	-25.5	Clear, Small Orange Particulates	No Odor
12:50	5	100	5.78	1.04	7.20	3.39	19.60	0.13	5.8	-28.4	Clear	No Odor
12:55	5	100	5.78	1.05	7.20	3.33	14.60	0.11	5.7	-30.8	Clear	No Odor
13:00	5	100	5.78	1.18	7.21	3.28	10.80	0.09	5.7	-33.0	Clear	No Odor
13:05	5	100	5.78	1.31	7.21	3.25	8.96	0.09	5.8	-34.5	Clear	No Odor
13:10	5	100	5.78	1.44	7.21	3.21	7.19	0.24	5.6	-35.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Rosati ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-85SR		Date	2-19-21	
Project Name/Location	Ford LTP		Weather	24.1 degrees F and Cloudy. The wind is blowing W/NW at 6.9 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2	Gallons in Well	0.42	
Static Water Level (ft-bmp)	5.88	Total Depth (ft-bmp)	8.46	Water Column (ft.)	2.58	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.38	Purge Method	Low-Flow			
		Well Volumes Purged	2.48					
Sample Time:	Label	14:43	Volume Purged	1.04 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	13:57						
	Purge End	14:46						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:00	0	100	5.91	0.00	7.27	2.30	43.90	0.89	4.1	1.6	Clear, Small Orange Particulates	No Odor
14:05	5	100	5.91	0.13	7.26	2.13	10.80	0.47	4.0	-9.6	Clear, Small White Particulates	No Odor
14:10	5	100	5.91	0.26	7.25	2.07	7.50	0.48	4.1	-14.2	Clear	No Odor
14:15	5	100	5.91	0.39	7.25	2.09	6.67	0.47	3.9	-16.7	Clear	No Odor
14:20	5	100	5.90	0.52	7.25	2.08	5.72	0.43	3.9	-18.9	Clear	No Odor
14:25	5	100	5.90	0.65	7.25	2.07	4.29	0.43	4.0	-20.3	Clear	No Odor
14:30	5	100	5.90	0.78	7.25	2.08	3.05	0.41	3.9	-21.5	Clear	No Odor
14:35	5	100	5.90	0.91	7.25	2.07	4.42	0.41	3.8	-22.1	Clear	No Odor
14:40	5	100	5.90	1.04	7.25	2.06	1.01	0.38	3.8	-23.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Rosati ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-86	Date	2-9-21
Project Name/Location	Ford LTP		Weather	19.4 degrees F. The wind is blowing NNE at 6.9 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	7.86	Total Depth (ft-bmp)	16.61	Water Column (ft.)	8.75
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow
		Well Volumes Purged	1.96		
Sample Time:	Label	13:55	Volume Purged	2.79 gallons	Replicate/Code No.
	Purge Start	12:49			MW-86-MS_020921, MW-86-MSD_020921
	Purge End	14:04			Sampled by
					Allyson Hartz

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:50	0	200	7.87	0.00	7.71	0.58	40.00	7.55	9.6	120.6	Clear, Small Orange Particulates	No Odor
12:55	5	175	7.87	0.26	7.65	0.58	28.00	7.18	9.7	79.4	Clear, Small Orange Particulates	No Odor
13:00	5	175	7.87	0.49	7.64	0.59	13.90	6.96	10.0	38.4	Clear, Small Orange Particulates	No Odor
13:05	5	175	7.87	0.72	7.64	0.64	10.30	7.37	9.4	21.4	Clear, Small Orange Particulates	No Odor
13:10	5	175	7.87	0.95	7.63	0.71	9.27	6.89	9.4	4.2	Clear, Small Orange Particulates	No Odor
13:15	5	175	7.87	1.18	7.62	0.80	6.32	7.18	9.5	-4.5	Clear, Small Orange Particulates	No Odor
13:20	5	175	7.87	1.41	7.60	0.83	5.19	6.22	10.2	-22.6	Clear	No Odor
13:25	5	175	7.87	1.64	7.60	0.88	2.65	6.44	10.1	-30.3	Clear	No Odor
13:30	5	175	7.87	1.87	7.60	0.89	1.48	6.07	10.1	-37.3	Clear	No Odor
13:35	5	175	7.87	2.10	7.59	0.92	3.25	6.09	10.0	-43.0	Clear	No Odor
13:40	5	175	7.87	2.33	7.58	0.95	4.04	5.82	10.0	-49.0	Clear	No Odor
13:45	5	175	7.87	2.56	7.58	0.97	1.26	5.54	10.2	-56.8	Clear	No Odor
13:50	5	175	7.87	2.79	7.58	0.95	1.95	5.59	9.9	-62.6	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Wadsworth ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-86S	Date	2-9-21			
Project Name/Location	Ford LTP			Weather	19.9 degrees F. The wind is blowing N/NW at 3.5 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	8.04	Total Depth (ft-bmp)	12.32	Water Column (ft.)	4.28			
		Pump Intake (ft-bmp)	9.54	Purge Method	Low-Flow			
		Well Volumes Purged	2.30					
Sample Time:	Label	12:20	Volume Purged	1.61 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	11:36						
	Purge End	12:26						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:40	0	175	8.08	0.00	8.22	0.49	3.02	10.91	8.2	132.5	Clear	No Odor
11:45	5	175	8.08	0.23	7.91	0.41	4.02	11.11	8.7	122.5	Clear	No Odor
11:50	5	175	8.08	0.46	7.87	0.41	3.57	10.80	9.0	123.8	Clear	No Odor
11:55	5	175	8.08	0.69	7.86	0.41	2.71	10.68	9.1	127.0	Clear	No Odor
12:00	5	175	8.08	0.92	7.84	0.42	0.02	10.57	9.1	130.8	Clear	No Odor
12:05	5	175	8.08	1.15	7.84	0.42	0.02	10.43	9.0	134.0	Clear	No Odor
12:10	5	175	8.08	1.38	7.82	0.43	0.02	10.27	9.1	137.5	Clear	No Odor
12:15	5	175	8.08	1.61	7.81	0.43	0.02	10.13	9.1	138.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	Wadsworth ROW	Well Locked at Arrival:	yes		
Condition of Well:	Good	Well Locked at Departure:	n/a		
Well Completion:	Flush mount	Lock Functioning:	yes		



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-87		Date	2-9-21	
Project Name/Location	Ford LTP		Weather	21.0 degrees F. The wind is blowing SW at 3.5 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	14-19	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.92	Total Depth (ft-bmp)	18.81	Water Column (ft.)	8.89	Gallons in Well	1.44	
		Pump Intake (ft-bmp)	16.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.59					
Sample Time:	Label	15:40	Volume Purged	2.29 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	14:38						
	Purge End	15:44						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:40	0	175	9.95	0.00	8.19	0.28	0.02	12.79	5.8	165.7	Clear	No Odor
14:45	5	175	9.95	0.23	8.16	0.28	1.28	10.09	5.6	183.9	Clear	No Odor
14:50	5	175	9.95	0.46	8.16	0.28	0.57	9.84	5.4	196.1	Clear	No Odor
14:55	5	150	9.95	0.69	8.16	0.28	0.61	9.98	5.3	205.9	Clear	No Odor
15:00	5	150	9.95	0.89	8.16	0.28	0.67	9.99	5.1	216.4	Clear	No Odor
15:05	5	150	9.95	1.09	8.16	0.28	0.71	10.04	4.9	221.0	Clear	No Odor
15:10	5	150	9.95	1.29	8.16	0.28	0.02	10.34	5.3	228.1	Clear	No Odor
15:15	5	150	9.95	1.49	8.17	0.28	0.41	10.26	5.0	233.5	Clear	No Odor
15:20	5	150	9.95	1.69	8.17	0.28	0.02	10.33	4.9	236.9	Clear	No Odor
15:25	5	150	9.95	1.89	8.17	0.28	0.02	10.26	5.2	240.1	Clear	No Odor
15:30	5	150	9.95	2.09	8.17	0.28	0.61	10.26	5.1	243.8	Clear	No Odor
15:35	5	150	9.95	2.29	8.17	0.28	0.02	10.29	5.1	247.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Standish ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-87S		Date	2-15-21	
Project Name/Location	Ford LTP		Weather	14.0 degrees F. The wind is blowing N at 10.4 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-14.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.67	Total Depth (ft-bmp)	14.13	Water Column (ft.)	4.46	Gallons in Well	0.72	
		Pump Intake (ft-bmp)	11.17	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.24					
Sample Time:	Label	14:00	Volume Purged	1.61 gallons	Replicate/Code No.	MW-87S-MS_021521, MW-87S-MSD_021521	Sampled by	Allyson Hartz
	Purge Start	13:14						
	Purge End	14:09						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:15	0	175	9.67	0.00	8.12	0.29	14.10	16.25	3.6	-11.7	Clear	No Odor
13:20	5	175	9.67	0.23	8.07	0.29	6.74	11.12	4.1	-0.2	Clear	No Odor
13:25	5	175	9.68	0.46	8.05	0.28	5.04	11.18	3.6	12.9	Clear	No Odor
13:30	5	175	9.68	0.69	8.03	0.28	5.79	10.97	3.6	22.3	Clear	No Odor
13:35	5	175	9.68	0.92	8.03	0.29	0.02	10.94	3.9	30.6	Clear	No Odor
13:40	5	175	9.68	1.15	8.03	0.28	0.02	10.81	3.7	40.2	Clear	No Odor
13:45	5	175	9.68	1.38	8.02	0.28	0.02	10.70	3.8	42.8	Clear	No Odor
13:50	5	175	9.68	1.61	8.02	0.28	0.02	10.82	3.7	48.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Standish ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-96S		Date	2-11-21	
Project Name/Location	Ford LTP		Weather	24.8 degrees F. The wind is blowing NNE at 3.5 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Gallons in Well	0.96	
Static Water Level (ft-bmp)	6.24	Total Depth (ft-bmp)	12.12	Water Column (ft.)	5.88	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.74	Purge Method	Low-Flow			
		Well Volumes Purged	1.23					
Sample Time:	Label	15:22	Volume Purged	1.18 gallons	Replicate/Code No.	--	Sampled by	Andrew Banitt
	Purge Start	14:44						
	Purge End	15:27						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:45	0	150	6.26	0.00	6.28	0.66	0.02	2.11	6.8	140.7	Clear	No Odor
14:50	5	120	6.26	0.20	6.95	0.56	0.02	1.47	6.7	91.3	Clear	No Odor
14:55	5	120	6.26	0.36	7.10	0.54	0.02	1.23	6.9	69.5	Clear	No Odor
15:00	5	125	6.26	0.52	7.22	0.53	0.02	1.12	7.2	50.8	Clear	No Odor
15:05	5	125	6.26	0.69	7.25	0.53	0.02	1.04	6.3	40.9	Clear	No Odor
15:10	5	125	6.26	0.86	7.29	0.53	0.02	0.98	7.2	31.8	Clear	No Odor
15:15	5	125	6.26	1.01	7.31	0.53	0.02	0.92	7.1	27.2	Clear	No Odor
15:20	5	125	6.26	1.18	7.32	0.54	0.02	0.89	7.3	22.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Boston Post ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-97S	Date	2-11-21			
Project Name/Location	Ford LTP			Weather	10.9 degrees F and Partly Cloudy. The wind is blowing N at 9.2 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	5.33	Total Depth (ft-bmp)	12.02	Water Column (ft.)	6.69			
		Pump Intake (ft-bmp)	6.83	Gallons in Well	1.09			
		Well Volumes Purged	1.93	Purge Method	Low-Flow			
Sample Time:	Label	10:26	Volume Purged	2.1 gallons	Replicate/Code No.	--	Sampled by	Andrew Banitt
	Purge Start	9:23						
	Purge End	10:31						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:24	0	150	5.35	0.00	7.57	0.42	0.61	0.00	6.6	294.8	Clear	No Odor
9:29	5	150	5.35	0.20	7.23	0.53	0.02	0.00	7.2	290.1	Clear	No Odor
9:34	5	125	5.34	0.40	7.28	0.53	0.02	0.99	6.8	279.1	Clear	No Odor
9:39	5	125	5.34	0.57	7.34	0.53	0.02	0.72	6.9	270.3	Clear	No Odor
9:44	5	125	5.34	0.74	7.34	0.57	0.02	0.49	6.9	265.6	Clear	No Odor
9:49	5	125	5.34	0.91	7.31	0.63	0.02	0.27	6.8	262.3	Clear	No Odor
9:54	5	125	5.34	1.08	7.32	0.67	0.02	0.00	6.8	254.9	Clear	No Odor
9:59	5	125	5.34	1.25	7.33	0.70	0.02	0.00	7.0	248.4	Clear	No Odor
10:04	5	125	5.34	1.42	7.29	0.72	0.02	0.00	7.2	243.4	Clear	No Odor
10:09	5	125	5.34	1.59	7.34	0.75	0.02	0.00	7.2	235.2	Clear	No Odor
10:14	5	125	5.34	1.76	7.29	0.78	0.02	0.16	7.3	231.0	Clear	No Odor
10:19	5	125	5.34	1.93	7.30	0.81	0.02	0.41	7.1	225.0	Clear	No Odor
10:24	5	125	5.34	2.10	7.28	0.82	0.02	0.40	7.1	221.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Boston Post ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-98S		Date	2-19-21	
Project Name/Location	Ford LTP		Weather	19.9 degrees F and Haze. The wind is blowing W at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	2.97	Total Depth (ft-bmp)	12.08	Water Column (ft.)	9.11	Gallons in Well	1.48	
		Pump Intake (ft-bmp)	4.47	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.62					
Sample Time:	Label	12:11	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	11:07					Gary Schafer	
	Purge End	12:31						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:10	0	150	3.00	0.00	7.34	0.71	11.60	1.80	4.8	129.1	Clear, Small White Particulates	No Odor
11:15	5	150	3.00	0.20	7.41	0.73	6.88	1.00	4.8	105.4	Clear, Small White Particulates	No Odor
11:20	5	150	3.00	0.40	7.47	0.82	8.55	0.38	4.8	71.4	Clear, Small White Particulates	No Odor
11:25	5	150	3.00	0.60	7.47	0.84	5.75	0.33	4.7	66.7	Clear	No Odor
11:30	5	150	3.00	0.80	7.48	0.90	4.76	0.31	4.8	53.6	Clear	No Odor
11:35	5	150	3.00	1.00	7.49	0.99	3.53	0.28	4.8	42.4	Clear	No Odor
11:40	5	150	3.00	1.20	7.50	1.05	5.16	0.26	4.9	30.9	Clear	No Odor
11:45	5	150	3.00	1.40	7.50	1.09	5.83	0.25	4.9	19.1	Clear	No Odor
11:50	5	150	3.00	1.60	7.51	1.10	5.62	0.24	5.0	5.4	Clear	No Odor
11:55	5	150	3.00	1.80	7.51	1.20	4.74	0.22	5.0	-2.7	Clear	No Odor
12:00	5	150	3.00	2.00	7.52	1.22	4.51	0.20	5.0	-12.0	Clear	No Odor
12:05	5	150	3.00	2.20	7.52	1.28	5.11	0.20	5.0	-23.2	Clear	No Odor
12:10	5	150	3.00	2.40	7.53	1.30	4.55	0.22	5.0	-26.6	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12017 Brewster	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-99S		Date	2-15-21	
Project Name/Location	Ford LTP		Weather	12.2 degrees F. The wind is blowing N/NW at 12.7 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.37	Total Depth (ft-bmp)	12.88	Water Column (ft.)	5.51	Gallons in Well	0.90	
		Pump Intake (ft-bmp)	8.87	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	3.07					
Sample Time:	Label	12:10	Volume Purged	2.76 gallons	Replicate/Code No.	MW-99S-MS_021521, MW-99S-MSD_021521	Sampled by	Allyson Hartz
	Purge Start	11:04						
	Purge End	12:20						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:05	0	175	7.40	0.00	6.46	2.05	24.00	1.52	7.0	216.2	Clear	No Odor
11:10	5	175	7.40	0.23	7.04	1.98	13.10	1.09	6.9	189.5	Clear	No Odor
11:15	5	175	7.40	0.46	7.02	2.27	13.20	0.76	6.3	120.4	Clear	No Odor
11:20	5	175	7.40	0.69	7.18	4.45	40.00	2.06	3.9	82.2	Clear	No Odor
11:25	5	175	7.40	0.92	7.12	7.40	40.00	1.15	4.0	82.6	Clear	No Odor
11:30	5	175	7.40	1.15	7.13	7.75	40.00	1.07	3.7	76.5	Clear	No Odor
11:35	5	175	7.40	1.38	7.13	8.28	40.00	1.02	3.8	65.0	Clear	No Odor
11:40	5	175	7.40	1.61	7.15	8.06	40.00	1.25	3.5	57.5	Clear	No Odor
11:45	5	175	7.40	1.84	7.20	5.85	40.00	1.08	2.7	39.3	Clear	No Odor
11:50	5	175	7.40	2.07	7.30	4.00	40.00	1.39	2.8	33.9	Clear	No Odor
11:55	5	175	7.40	2.30	7.27	4.21	40.00	1.10	6.6	36.6	Clear	No Odor
12:00	5	175	7.40	2.53	7.26	4.38	40.00	1.08	6.8	36.0	Clear	No Odor
12:05	5	175	7.40	2.76	7.24	4.52	40.00	1.05	6.8	31.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Belden ROW	Well Locked at Arrival:	yes	
Condition of Well:	Broken thread tabs, Missing bolts, Poor	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-100S	Date	2-12-21
Project Name/Location	Ford LTP		Weather	15.8 degrees F. The wind is blowing E/NE at 8.1 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	7.78	Total Depth (ft-bmp)	12.89	Water Column (ft.)	5.11
		Pump Intake (ft-bmp)	9.28	Purge Method	Low-Flow
		Well Volumes Purged	2.96		
Sample Time:	Label	10:10	Volume Purged	2.46 gallons	Replicate/Code No.
	Purge Start	9:03			MW-100S-MS_021221
	Purge End	10:17			MW-100S-MSD_021221
					Sampled by
					Allyson Hartz

Allyson Hartz

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:05	0	150	7.82	0.00	7.27	4.20	25.40	1.90	7.2	199.0	Clear	No Odor
9:10	5	150	7.82	0.20	7.50	4.67	6.71	0.73	7.4	176.9	Clear	No Odor
9:15	5	150	7.82	0.40	7.41	5.46	3.91	0.48	7.6	176.8	Clear	No Odor
9:20	5	150	7.82	0.60	7.27	6.24	4.17	0.52	7.9	178.8	Clear	No Odor
9:25	5	150	7.82	0.80	7.20	6.61	3.38	0.72	7.9	175.3	Clear	No Odor
9:30	5	150	7.82	1.00	7.18	6.78	4.28	0.70	7.8	160.5	Clear	No Odor
9:35	5	150	7.82	1.20	7.18	6.95	4.08	0.90	7.8	140.1	Clear	No Odor
9:40	5	150	7.82	1.40	7.19	7.12	5.50	0.84	7.8	117.4	Clear	No Odor
9:45	5	150	7.82	1.60	7.20	7.22	5.34	0.77	7.5	103.1	Clear	No Odor
9:50	5	150	7.82	1.80	7.21	7.28	3.69	0.64	7.5	87.1	Clear	No Odor
9:55	5	175	7.82	2.00	7.21	7.30	0.16	0.84	7.6	75.5	Clear	No Odor
10:00	5	175	7.82	2.23	7.21	7.36	2.12	0.70	7.8	65.7	Clear	No Odor
10:05	5	175	7.82	2.46	7.21	7.36	3.38	0.82	7.7	57.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Belden ROW	Well Locked at Arrival:	yes	
Condition of Well:	Broken thread tabs,Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-101S		Date	2-12-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F. The wind is blowing NE at 9.2 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-14.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.23	Total Depth (ft-bmp)	14.06	Water Column (ft.)	4.83	Gallons in Well	0.78	
		Pump Intake (ft-bmp)	10.73	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	3.31					
Sample Time:	Label	11:57	Volume Purged	2.58 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	10:52					Allyson Hartz	
	Purge End	12:00						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:55	0	175	9.25	0.00	7.94	1.44	79.10	7.35	7.1	11.6	Clear	No Odor
11:00	5	175	9.25	0.23	7.81	1.36	78.90	1.97	5.8	9.0	Clear, Small Orange Particulates	No Odor
11:05	5	175	9.25	0.46	7.78	1.31	93.50	1.63	5.7	9.7	Clear, Small Orange Particulates	No Odor
11:10	5	175	9.25	0.69	7.76	1.27	84.20	1.27	5.6	2.8	Clear, Small Orange Particulates	No Odor
11:15	5	175	9.25	0.92	7.76	1.18	68.00	1.24	6.0	-2.3	Clear, Small Orange Particulates	No Odor
11:20	5	175	9.25	1.12	7.74	1.17	60.40	1.06	6.0	-12.6	Clear, Small Orange Particulates	No Odor
11:25	5	175	9.25	1.35	7.73	1.17	59.20	1.06	6.2	-24.7	Clear, Small Orange Particulates	No Odor
11:30	5	150	9.25	1.58	7.73	1.17	42.80	0.89	6.9	-31.6	Clear, Small Orange Particulates	No Odor
11:35	5	150	9.25	1.78	7.73	1.17	40.00	0.89	6.5	-32.8	Clear, Small Orange Particulates	No Odor
11:40	5	150	9.25	1.98	7.72	1.17	40.00	0.83	6.8	-36.7	Clear, Small Orange Particulates	No Odor
11:45	5	150	9.25	2.18	7.73	1.16	40.00	0.84	6.8	-38.3	Clear, Small Orange Particulates	No Odor
11:50	5	150	9.25	2.38	7.72	1.16	37.60	0.83	7.4	-41.9	Clear, Small Orange Particulates	No Odor
11:55	5	150	9.25	2.58	7.73	1.16	33.50	0.75	7.3	-42.5	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Belden ROW	Well Locked at Arrival:	yes	
Condition of Well:	Broken thread tabs,Fair,Missing bolts	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-102		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	21.0 degrees F and Light Snow. The wind is blowing N/NE at 10.3 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	10-15	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	2.80	Total Depth (ft-bmp)	14.64	Water Column (ft.)	11.84	Gallons in Well	1.92	
		Pump Intake (ft-bmp)	12.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.63					
Sample Time:	Label	13:00	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	12:26						
	Purge End	13:08						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:30	0	150	3.00	0.00	7.16	13.17	5.64	0.85	6.6	-108.8	Clear	No Odor
12:35	5	150	2.98	0.20	7.11	13.17	2.99	0.39	6.5	-104.9	Clear, Small Orange Particulates	No Odor
12:40	5	150	2.98	0.40	7.12	13.18	0.72	0.32	6.7	-104.7	Clear, Small Orange Particulates	No Odor
12:45	5	150	2.98	0.60	7.12	13.10	1.85	0.59	6.8	-103.8	Clear	No Odor
12:50	5	150	2.98	0.80	7.12	12.99	0.51	0.22	7.0	-103.8	Clear	No Odor
12:55	5	150	2.98	1.00	7.13	12.87	0.02	0.19	7.0	-103.3	Clear	No Odor
13:00	5	150	2.98	1.20	7.13	12.82	0.79	0.16	7.1	-103.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Rosati ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-102S			Date	2-18-21
Project Name/Location	Ford LTP		Weather	21.0 degrees F and Light Snow. The wind is blowing NE at 8.1 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	3.12	Total Depth (ft-bmp)	12.36	Water Column (ft.)	9.24	Gallons in Well	1.50
		Pump Intake (ft-bmp)	4.62	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.91				
Sample Time:	Label	14:10	Volume Purged	1.36 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:22					Emma Witherspoon
	Purge End	14:14					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Rosati ROW	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-105S	Date	3-1-21			
Project Name/Location	Ford LTP		Weather	37.0 degrees F and Mostly Cloudy.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	4.63	Total Depth (ft-bmp)	11.76	Water Column (ft.)	7.13			
		Pump Intake (ft-bmp)	6.13	Gallons in Well	1.16			
		Well Volumes Purged	1.98	Purge Method	Low-Flow			
Sample Time:	Label	16:12	Volume Purged	2.3 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	15:19						
	Purge End	16:15						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:20	0	175	4.70	0.00	7.20	127.90	36.60	1.87	4.8	29.8	Clear, Small White Particulates	No Odor
15:25	5	175	4.70	0.23	6.88	148.90	26.20	1.79	5.0	36.9	Clear, Small White Particulates	No Odor
15:30	5	175	4.70	0.46	6.89	200.70	19.30	0.24	5.0	39.5	Clear, Small White Particulates	No Odor
15:35	5	175	4.70	0.69	7.09	263.10	13.60	0.10	5.3	30.2	Clear, Small White Particulates	No Odor
15:40	5	175	4.70	0.92	7.15	256.60	32.90	0.12	5.3	20.4	Clear, Small White Particulates	No Odor
15:45	5	175	4.70	1.15	7.22	292.30	16.50	0.05	5.5	22.3	Clear, Small White Particulates	No Odor
15:50	5	175	4.70	1.38	7.24	294.70	17.10	0.04	5.4	11.2	Clear, Small White Particulates	No Odor
15:55	5	175	4.70	1.61	7.27	306.80	14.40	0.02	5.5	1.3	Clear, Small White Particulates	No Odor
16:00	5	175	4.70	1.84	7.26	300.30	43.90	0.04	5.2	-3.1	Clear, Small Orange Particulates	No Odor
16:05	5	175	4.70	2.07	7.28	315.60	40.00	0.02	5.2	-3.3	Clear, Small Orange Particulates	No Odor
16:10	5	175	4.70	2.30	7.29	319.90	40.00	0.02	5.1	-5.6	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	Rosati ROW	Well Locked at Arrival:	yes		
Condition of Well:	Good	Well Locked at Departure:	n/a		
Well Completion:	Flush mount	Lock Functioning:	yes		



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-106S		Date	2-11-21	
Project Name/Location	Ford LTP		Weather	10.9 degrees F and Partly Cloudy. The wind is blowing N at 9.2 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	4.05	Total Depth (ft-bmp)	11.62	Water Column (ft.)	7.57	Gallons in Well	1.23	
		Pump Intake (ft-bmp)	5.55	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.75					
Sample Time:	Label	10:20	Volume Purged	0.92 gallons	Replicate/Code No.	MW-106S-MS_021121, MW-106S-MSD_021121	Sampled by	Emma Witherspoon
	Purge Start	9:34						
	Purge End	10:32						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:40	0	100	4.18	0.00	6.82	1.33	1.38	0.71	6.4	31.3	Clear	No Odor
9:45	5	100	4.20	0.13	6.88	1.17	2.68	0.38	6.0	-5.2	Clear	No Odor
9:50	5	100	4.25	0.27	6.89	1.13	1.86	0.32	5.9	-13.4	Clear	No Odor
9:55	5	100	4.25	0.40	6.90	1.14	0.80	0.23	6.4	-16.6	Clear	No Odor
10:00	5	100	4.27	0.53	6.93	1.14	0.86	0.21	6.3	-28.9	Clear	No Odor
10:05	5	100	4.27	0.66	6.93	1.16	0.27	0.17	6.2	-36.0	Clear	No Odor
10:10	5	100	4.27	0.79	6.94	1.17	1.01	0.11	6.3	-42.6	Clear	No Odor
10:15	5	100	4.27	0.92	6.94	1.19	1.07	0.14	6.2	-42.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Beacon ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-107S	Date	2-15-21	
Project Name/Location	Ford LTP		Weather	12.2 degrees F. The wind is blowing N at 12.7 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	
Static Water Level (ft-bmp)	6.30	Total Depth (ft-bmp)	12.15	Water Column (ft.)	5.85	
		Pump Intake (ft-bmp)	7.80	Gallons in Well	0.95	
		Well Volumes Purged	3.28	Purge Method	Low-Flow	
Sample Time:	Label	12:20	Volume Purged	3.12 gallons	Replicate/Code No.	--
	Purge Start	11:18			Sampled by	Emma Witherspoon
	Purge End	12:26				

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:20	0	200	6.48	0.00	7.96	0.50	3.03	0.92	5.4	56.7	Clear, Small White Particulates	No Odor
11:25	5	200	6.55	0.26	7.80	0.49	3.06	0.49	5.4	50.5	Clear	No Odor
11:30	5	200	6.72	0.52	7.72	0.49	0.22	0.25	5.5	46.4	Clear	No Odor
11:35	5	200	6.78	0.78	7.69	0.49	0.02	0.30	5.4	44.4	Clear	No Odor
11:40	5	200	6.82	1.04	7.67	0.49	0.02	0.30	5.4	43.9	Clear	No Odor
11:45	5	200	6.90	1.30	7.66	0.49	0.02	0.29	5.6	43.3	Clear	No Odor
11:50	5	200	6.95	1.56	7.63	0.54	0.02	0.26	5.9	41.6	Clear	No Odor
11:55	5	200	7.00	1.82	7.59	0.57	0.02	0.29	5.8	37.0	Clear	No Odor
12:00	5	200	7.04	2.08	7.58	0.58	0.02	0.23	5.8	38.8	Clear	No Odor
12:05	5	200	7.10	2.34	7.57	0.61	0.02	0.22	5.9	42.0	Clear	No Odor
12:10	5	200	7.15	2.60	7.55	0.64	0.02	0.21	6.0	43.7	Clear	No Odor
12:15	5	200	7.20	2.86	7.54	0.64	0.02	0.21	6.1	43.8	Clear	No Odor
12:20	5	200	7.22	3.12	7.52	0.64	0.02	0.48	6.1	42.6	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Capitol ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-108S	Date	2-18-21
Project Name/Location	Ford LTP			Weather 21.0 degrees F and Light Snow. The wind is blowing N/NE at 10.3 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	4.43	Total Depth (ft-bmp)	12.24	Water Column (ft.)	7.81
		Pump Intake (ft-bmp)	5.93	Purge Method	Low-Flow
		Well Volumes Purged	0.82		
Sample Time:	Label	13:03	Volume Purged	1.04 gallons	Replicate/Code No.
	Purge Start	12:18			--
	Purge End	13:06			
					Sampled by Kara Donahue

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:20	0	100	4.50	0.00	6.98	1.17	14.00	2.50	4.1	71.4	Clear, Small Orange Particulates	No Odor
12:25	5	100	4.52	0.13	6.95	1.20	4.29	0.60	4.0	46.9	Clear, Small Orange Particulates	No Odor
12:30	5	100	4.51	0.26	6.96	1.21	2.67	0.33	3.8	33.0	Clear, Small Orange Particulates	No Odor
12:35	5	100	4.51	0.39	6.97	1.22	4.18	0.24	3.9	21.4	Clear, Small Orange Particulates	No Odor
12:40	5	100	4.51	0.52	6.98	1.23	0.60	0.20	4.0	11.3	Clear	No Odor
12:45	5	100	4.52	0.65	6.98	1.24	0.02	0.16	3.9	2.1	Clear, Small Orange Particulates	No Odor
12:50	5	100	4.20	0.78	6.99	1.24	0.02	0.16	4.0	-5.7	Clear	No Odor
12:55	5	100	4.52	0.91	6.99	1.24	0.02	0.17	3.9	-10.9	Clear	No Odor
13:00	5	100	4.52	1.04	6.99	1.24	0.02	0.16	3.9	-15.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	Rosati ROW	Well Locked at Arrival:	yes		
Condition of Well:	Fair	Well Locked at Departure:	n/a		
Well Completion:	Flush mount	Lock Functioning:	yes		



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-131S		Date	2-26-21	
Project Name/Location	Ford LTP		Weather	37.9 degrees F and Partly Cloudy. The wind is blowing SE at 11.4 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	5.43	Total Depth (ft-bmp)	12.68	Water Column (ft.)	7.25	Gallons in Well	1.18	
		Pump Intake (ft-bmp)	6.63	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.32					
Sample Time:	Label	16:03	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	14:58						
	Purge End	16:06						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:00	0	100	5.46	0.00	7.45	0.91	6.14	3.72	6.0	107.4	Clear, Small Orange Particulates	No Odor
15:05	5	100	5.46	0.13	7.01	0.92	4.32	1.56	6.0	115.4	Clear, Small Orange Particulates	No Odor
15:10	5	100	5.46	0.26	7.11	0.91	3.13	1.23	6.0	98.1	Clear, Small Orange Particulates	No Odor
15:15	5	100	5.46	0.39	7.16	0.93	0.40	1.11	6.0	78.4	Clear	No Odor
15:20	5	100	5.47	0.52	7.20	1.41	2.44	0.37	6.2	-39.5	Clear	No Odor
15:25	5	100	5.46	0.65	7.24	1.60	2.37	0.33	6.2	-50.3	Clear	No Odor
15:30	5	100	5.46	0.78	7.24	1.95	0.02	0.29	6.2	-53.3	Clear	No Odor
15:35	5	100	5.46	0.91	7.25	2.65	0.02	0.27	6.3	-57.3	Clear	No Odor
15:40	5	100	5.46	1.04	7.27	3.23	0.02	0.21	6.2	-63.7	Clear	No Odor
15:45	5	100	5.46	1.17	7.28	3.48	0.02	0.22	6.2	-67.9	Small White Particulates	No Odor
15:50	5	100	5.46	1.30	7.28	3.63	0.02	0.27	6.2	-71.0	Clear	No Odor
15:55	5	100	5.47	1.43	7.29	3.72	0.02	0.30	6.3	-73.9	Clear	No Odor
16:00	5	100	5.47	1.56	7.29	3.78	0.02	0.30	6.2	-75.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	Rosati ROW	Well Locked at Arrival:	yes		
Condition of Well:	Fair	Well Locked at Departure:	n/a		
Well Completion:	Flush mount	Lock Functioning:	yes		



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-132S	Date	2-26-21
Project Name/Location	Ford LTP		Weather	33.1 degrees F and Mostly Cloudy. The wind is blowing S/SE at 9.2 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	5.86	Total Depth (ft-bmp)	12.39	Water Column (ft.)	6.53
		Pump Intake (ft-bmp)	7.36	Gallons in Well	1.06
		Well Volumes Purged	1.47	Purge Method	Grab
Sample Time:	Label	13:24	Volume Purged	1.56 gallons	Replicate/Code No.
	Purge Start	12:18			MW-132S-MS_022621
	Purge End	13:33			MW-132S-MSD_022621
					Sampled by Kara Donahue

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:20	0	100	5.89	0.00	7.75	0.86	53.40	3.53	6.1	83.2	Clear, Small Brown Particulates,	No Odor
12:25	5	100	5.88	0.13	7.11	0.86	66.70	2.37	6.1	59.2	Clear, Small Brown Particulates,	No Odor
12:30	5	100	5.88	0.26	7.23	0.87	31.50	2.35	6.2	25.6	Clear, Small Brown Particulates,	No Odor
12:35	5	100	5.88	0.39	7.32	0.87	26.60	2.17	6.1	12.2	Clear, Small Brown Particulates,	No Odor
12:40	5	100	5.88	0.52	7.33	0.87	24.70	1.99	6.2	7.4	Clear, Small Brown Particulates,	No Odor
12:45	5	100	5.88	0.65	7.34	0.87	15.40	1.91	6.2	2.4	Clear, Small Brown Particulates,	No Odor
12:50	5	100	5.88	0.78	7.35	0.87	11.30	1.94	6.1	0.4	Clear	No Odor
12:55	5	100	5.88	0.91	7.34	0.89	5.85	1.60	6.3	-6.9	Clear	No Odor
13:00	5	100	5.88	1.04	7.33	0.94	4.72	1.38	6.4	-9.3	Clear	No Odor
13:05	5	100	5.88	1.17	7.32	1.04	2.25	1.19	6.4	-7.4	Clear	No Odor
13:10	5	100	5.88	1.30	7.30	1.17	1.88	1.10	6.3	-4.8	Clear	No Odor
13:15	5	100	5.88	1.43	7.28	1.30	1.41	1.04	6.3	-4.5	Clear	No Odor
13:20	5	100	5.88	1.56	7.30	1.41	0.02	0.98	6.4	-4.1	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	9	HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Rosati ROW	Well Locked at Arrival:	yes	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-133S		Date	2-22-21	
Project Name/Location	Ford LTP		Weather	36.0 degrees F and Light Rain. The wind is blowing W/SW at 18.3 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.9	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.03	Total Depth (ft-bmp)	8.49	Water Column (ft.)	1.46	Gallons in Well	0.24	
		Pump Intake (ft-bmp)	8.03	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	5.75					
Sample Time:	Label	10:35	Volume Purged	1.38 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	9:57					Allyson Hartz	
	Purge End	10:41						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:58	0	175	7.11	0.00	7.06	0.87	8.56	1.20	7.0	179.3	Clear, Small White Particulates	No Odor
10:03	5	175	7.11	0.23	7.06	0.78	7.72	0.78	7.1	162.2	Clear, Small White Particulates	No Odor
10:08	5	175	7.11	0.46	7.07	0.77	2.99	0.58	7.2	160.9	Clear, Small White Particulates	No Odor
10:13	5	175	7.11	0.69	7.06	0.77	0.02	0.59	7.1	162.0	Clear	No Odor
10:18	5	175	7.11	0.92	7.10	0.77	0.90	0.43	7.1	162.6	Clear	No Odor
10:23	5	175	7.11	1.15	7.11	0.75	0.02	0.49	7.0	164.8	Clear	No Odor
10:28	5	175	7.10	1.38	7.12	0.75	0.02	0.46	7.1	166.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Stark ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-134S		Date	2-19-21	
Project Name/Location	Ford LTP		Weather	19.9 degrees F and Haze. The wind is blowing W at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.95	Total Depth (ft-bmp)	9.44	Water Column (ft.)	1.49	Gallons in Well	0.24	
		Pump Intake (ft-bmp)	8.95	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	10.63					
Sample Time:	Label	11:55	Volume Purged	2.55 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	10:49					Allyson Hartz	
	Purge End	11:57						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:50	0	175	8.01	0.00	7.48	0.63	30.70	3.25	6.5	39.3	Clear, Small White Particulates	No Odor
10:55	5	175	8.01	0.23	7.35	0.65	40.00	3.25	6.8	34.1	Clear, Small White Particulates	No Odor
11:00	5	150	8.01	0.46	7.36	0.66	40.00	1.85	6.8	35.0	Clear	No Odor
11:05	5	150	8.01	0.66	7.32	0.65	40.00	1.41	6.9	34.7	Clear	No Odor
11:10	5	175	8.01	0.86	7.32	0.64	40.00	1.21	7.1	33.4	Clear, Small White Particulates	No Odor
11:15	5	150	8.01	1.09	7.33	0.64	40.00	1.13	7.1	34.2	Clear, Small White Particulates	No Odor
11:20	5	150	8.01	1.29	7.33	0.63	40.00	0.91	7.6	35.4	Clear, Small White Particulates	No Odor
11:25	5	150	8.01	1.49	7.33	0.63	40.00	0.95	7.7	35.5	Clear, Small White Particulates	No Odor
11:30	5	175	8.01	1.69	7.33	0.63	12.00	0.94	7.8	35.6	Clear, Small White Particulates	No Odor
11:35	5	175	8.01	1.92	7.32	0.63	7.94	0.86	7.8	36.7	Clear	No Odor
11:40	5	150	8.01	2.15	7.32	0.63	6.15	0.95	7.9	37.2	Clear, Small White Particulates	No Odor
11:45	5	150	8.01	2.35	7.32	0.63	17.50	0.85	7.7	38.5	Clear, Small White Particulates	No Odor
11:50	5	150	8.01	2.55	7.31	0.63	22.40	1.50	7.1	40.9	Clear, Small White Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Stark ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-135S			Date	2-18-21
Project Name/Location	Ford LTP		Weather	21.0 degrees F and Light Snow. The wind is blowing NE at 8.1 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	6.91	Total Depth (ft-bmp)	9.68	Water Column (ft.)	2.77	Gallons in Well	0.45
		Pump Intake (ft-bmp)	8.41	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.07				
Sample Time:	Label	13:50	Volume Purged	1.38 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:14					Allyson Hartz
	Purge End	13:53					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	Stark ROW	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-136S	Date	2-15-21	
Project Name/Location	Ford LTP		Weather	12.0 degrees F and Light Snow. The wind is blowing N at 15.0 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	
Static Water Level (ft-bmp)	4.10	Total Depth (ft-bmp)	7.15	Water Column (ft.)	3.05	
		Pump Intake (ft-bmp)	5.60	Gallons in Well	0.50	
		Well Volumes Purged	4.80	Purge Method	Low-Flow	
Sample Time:	Label	10:50	Volume Purged	2.4 gallons	Replicate/Code No.	--
	Purge Start	9:48			Sampled by	Emma Witherspoon
	Purge End	10:56				

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:50	0	150	4.22	0.00	6.95	1.54	108.00	1.64	4.4	20.6	Small Orange Particulates, Yellow	No Odor
9:55	5	150	4.25	0.20	6.94	1.54	63.10	1.40	4.0	-5.7	Small Orange Particulates, Yellow	No Odor
10:00	5	150	4.30	0.40	6.94	1.54	53.20	1.29	3.3	-4.6	Clear, Small Orange Particulates	No Odor
10:05	5	150	4.30	0.60	6.94	1.51	44.60	1.29	3.6	-13.2	Clear, Small Orange Particulates	No Odor
10:10	5	150	4.32	0.80	6.94	1.51	28.90	1.01	4.4	-24.2	Clear, Small Orange Particulates	No Odor
10:15	5	150	4.32	1.00	6.95	1.51	24.00	0.97	4.4	-28.4	Clear, Small Orange Particulates	No Odor
10:20	5	150	4.32	1.20	6.95	1.52	15.10	0.88	4.5	-28.4	Clear, Small Orange Particulates	No Odor
10:25	5	150	4.32	1.40	6.95	1.51	8.95	0.86	4.7	-28.7	Clear	No Odor
10:30	5	150	4.32	1.60	6.95	1.51	6.15	0.96	4.5	-29.6	Clear	No Odor
10:35	5	150	4.32	1.80	6.95	1.51	2.96	0.85	4.7	-29.3	Clear	No Odor
10:40	5	150	4.32	2.00	6.95	1.51	2.30	0.82	4.7	-31.0	Clear	No Odor
10:45	5	150	4.32	2.20	6.96	1.51	0.92	0.86	4.9	-32.6	Clear	No Odor
10:50	5	150	4.32	2.40	6.95	1.51	0.16	0.79	4.8	-32.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Capitol ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-137S		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	15.8 degrees F. The wind is blowing E/SE at 3.5 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Gallons in Well	0.55	
Static Water Level (ft-bmp)	3.64	Total Depth (ft-bmp)	7.02	Water Column (ft.)	3.38	Sample Method	Grab	
		Pump Intake (ft-bmp)	5.14	Purge Method	Low-Flow			
		Well Volumes Purged	2.84					
Sample Time:	Label	0:00	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	11:20						
	Purge End	0:05						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:25	0	200	3.69	0.00	7.50	1.81	9.72	12.66	5.9	-85.0	Clear, Small Orange Particulates	No Odor
11:30	5	200	3.70	0.26	7.15	1.72	5.30	12.47	5.5	-61.8	Clear	No Odor
11:35	5	200	3.70	0.52	7.07	1.68	1.90	12.24	5.4	-54.3	Clear	No Odor
11:40	5	200	3.70	0.78	7.01	1.64	0.47	11.91	5.3	-46.0	Clear	No Odor
11:45	5	200	3.70	1.04	7.00	1.63	0.02	11.70	5.5	-43.0	Clear	No Odor
11:50	5	200	3.70	1.30	6.99	1.62	0.02	11.48	5.5	-36.2	Clear	No Odor
11:55	5	200	3.70	1.56	6.99	1.61	0.02	11.31	5.4	-33.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Brewster ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-138S	Date	2-10-21			
Project Name/Location	Ford LTP		Weather	12.2 degrees F.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	2.06	Total Depth (ft-bmp)	5.99	Water Column (ft.)	3.93			
		Pump Intake (ft-bmp)	3.56	Purge Method	Low-Flow			
		Well Volumes Purged	1.86	Sample Method	Grab			
Sample Time:	Label	10:31	Volume Purged	1.19 gallons	Replicate/Code No.	DUP-12	Sampled by	Andrew Banitt
	Purge Start	9:52						
	Purge End	10:41						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:53	0	125	2.12	0.00	6.41	1.42	0.02	0.00	4.1	132.8	Clear	No Odor
9:58	5	125	2.13	0.17	6.94	1.68	0.02	0.00	4.7	27.6	Clear	No Odor
10:03	5	125	2.14	0.34	7.08	1.77	0.02	0.00	4.9	-14.7	Clear	No Odor
10:08	5	125	2.14	0.51	7.14	1.77	0.02	0.00	5.0	-42.2	Clear	No Odor
10:13	5	125	2.15	0.68	7.16	1.76	0.02	0.00	5.1	-56.4	Clear	No Odor
10:18	5	125	2.14	0.85	7.16	1.75	0.02	0.00	5.1	-64.0	Clear	No Odor
10:23	5	125	2.14	1.02	7.16	1.74	0.02	0.00	5.0	-68.3	Clear	No Odor
10:28	5	125	2.14	1.19	7.19	1.73	0.02	0.00	5.0	-73.1	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Beacon ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-139S		Date	2-19-21	
Project Name/Location	Ford LTP		Weather	23.0 degrees F and Mostly Cloudy. The wind is blowing W at 10.3 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	3.62	Total Depth (ft-bmp)	6.88	Water Column (ft.)	3.26	Gallons in Well	0.53	
		Pump Intake (ft-bmp)	5.12	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.57					
Sample Time:	Label	13:31	Volume Purged	1.36 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	12:47					Gary Schafer	
	Purge End	13:45						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:50	0	125	3.63	0.00	7.40	1.04	16.90	0.81	7.5	26.4	Clear, Small Orange Particulates	No Odor
12:55	5	125	3.63	0.17	7.37	1.11	15.80	0.50	7.6	25.2	Clear, Small Orange Particulates	No Odor
13:00	5	125	3.63	0.34	7.37	1.15	12.60	0.39	7.5	19.3	Clear, Small Orange Particulates	No Odor
13:05	5	125	3.63	0.51	7.36	1.16	7.95	0.35	7.5	11.3	Clear, Small Orange Particulates	No Odor
13:10	5	125	3.63	0.68	7.36	1.17	6.50	0.36	7.5	6.0	Clear	No Odor
13:15	5	125	3.63	0.85	7.35	1.18	3.74	0.28	7.6	-0.7	Clear	No Odor
13:20	5	125	3.63	1.02	7.35	1.19	1.66	0.26	7.5	-6.8	Clear	No Odor
13:25	5	125	3.63	1.19	7.35	1.19	1.20	0.24	7.6	-12.8	Clear	No Odor
13:30	5	125	3.63	1.36	7.35	1.19	1.33	0.23	7.5	-16.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	12066 Boston Post	Well Locked at Arrival:	yes		
Condition of Well:	Good	Well Locked at Departure:	n/a		
Well Completion:	Flush mount	Lock Functioning:	yes		



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-140S	Date	2-15-21	
Project Name/Location	Ford LTP		Weather	15.8 degrees F. The wind is blowing N at 11.5 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	
Static Water Level (ft-bmp)	4.75	Total Depth (ft-bmp)	6.45	Water Column (ft.)	1.70	
		Pump Intake (ft-bmp)	6.25	Gallons in Well	0.28	
		Well Volumes Purged	5.46	Purge Method	Low-Flow	
Sample Time:	Label	14:31	Volume Purged	1.53 gallons	Replicate/Code No.	--
	Purge Start	13:43			Sampled by	Gary Schafer
	Purge End	14:44				

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:45	0	125	4.80	0.00	8.19	0.25	3.04	1.99	5.9	65.0	Clear	Faint Odor
13:50	5	125	4.80	0.17	8.14	0.25	4.98	1.81	5.8	65.6	Clear	No Odor
13:55	5	125	4.80	0.34	7.97	0.35	2.35	1.04	6.0	70.3	Clear	No Odor
14:00	5	125	4.80	0.51	7.93	0.37	1.69	0.93	6.0	70.6	Clear	No Odor
14:05	5	125	4.80	0.68	7.89	0.38	1.06	0.90	6.1	70.8	Clear	No Odor
14:10	5	125	4.80	0.85	7.87	0.39	0.78	0.89	6.2	71.1	Clear	No Odor
14:15	5	125	4.80	1.02	7.86	0.40	0.64	0.70	6.2	71.2	Clear	No Odor
14:20	5	125	4.80	1.19	7.84	0.40	0.56	0.70	6.0	71.9	Clear	No Odor
14:25	5	125	4.80	1.36	7.84	0.40	1.08	0.69	6.1	72.0	Clear	No Odor
14:30	5	125	4.80	1.53	7.84	0.41	0.78	0.67	6.0	72.1	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12067 Boston Post	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-141S		Date	2-15-21	
Project Name/Location	Ford LTP		Weather	12.2 degrees F and Snowing. The wind is blowing N/NW at 12.7 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.40	Total Depth (ft-bmp)	7.68	Water Column (ft.)	1.28	Gallons in Well	0.21	
		Pump Intake (ft-bmp)	7.04	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	7.29					
Sample Time:	Label	12:11	Volume Purged	1.53 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	11:23					Gary Schafer	
	Purge End	12:22						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:25	0	125	6.56	0.00	7.16	0.90	3.13	2.66	6.8	75.0	Clear	No Odor
11:30	5	125	6.60	0.17	7.19	0.89	4.29	2.00	6.6	71.4	Clear	No Odor
11:35	5	125	6.60	0.34	7.21	0.89	2.64	1.83	6.7	67.2	Clear	No Odor
11:40	5	125	6.60	0.51	7.22	0.89	1.42	1.70	6.6	65.5	Clear	No Odor
11:45	5	125	6.60	0.68	7.23	0.89	1.13	1.60	6.6	64.6	Clear	No Odor
11:50	5	125	6.60	0.85	7.24	0.89	1.06	1.62	6.6	65.2	Clear	No Odor
11:55	5	125	6.60	1.02	7.23	0.88	0.64	1.67	6.2	66.8	Clear	No Odor
12:00	5	125	6.60	1.19	7.24	0.89	0.55	1.61	6.4	66.1	Clear	No Odor
12:05	5	125	6.60	1.36	7.24	0.90	0.84	1.61	6.3	66.7	Clear	No Odor
12:10	5	125	6.60	1.53	7.25	0.91	0.95	1.60	6.3	65.7	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	12124 Boston Post	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-142S		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	24.1 degrees F and Light Snow. The wind is blowing NE at 9.2 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2	Gallons in Well	0.32	
Static Water Level (ft-bmp)	4.80	Total Depth (ft-bmp)	6.78	Water Column (ft.)	1.98	Sample Method	Grab	
		Pump Intake (ft-bmp)	6.30	Purge Method	Low-Flow			
		Well Volumes Purged	4.88					
Sample Time:	Label	15:17	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	13:58						
	Purge End	15:20						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:00	0	100	4.89	0.00	6.85	1.12	189.00	5.72	4.9	17.6	Clear, Cloudy, Small Orange Particulates	No Odor
14:05	5	100	4.85	0.13	6.84	1.13	135.00	5.31	4.8	14.1	Clear, Small Orange Particulates	No Odor
14:10	5	100	4.86	0.26	6.84	1.24	56.80	4.23	4.8	8.7	Clear, Small Orange Particulates	No Odor
14:15	5	100	4.86	0.39	6.85	1.14	28.30	3.73	4.9	4.7	Clear	No Odor
14:20	5	100	4.86	0.52	6.85	1.15	14.10	3.52	4.9	1.3	Clear	No Odor
14:25	5	100	4.86	0.65	6.85	1.15	9.48	3.33	4.8	-3.1	Clear	No Odor
14:30	5	100	4.85	0.78	6.85	1.15	6.56	3.40	4.9	-5.8	Clear	No Odor
14:35	5	100	4.85	0.91	6.85	1.14	3.94	3.54	4.7	-7.7	Clear	No Odor
14:40	5	100	4.85	1.04	6.85	1.15	4.64	3.63	4.8	-8.8	Clear	No Odor
14:45	5	100	4.85	1.17	6.85	1.15	1.49	3.20	4.7	-10.5	Clear	No Odor
14:50	5	100	4.88	1.30	6.84	1.14	0.02	2.51	5.0	-14.1	Clear	No Odor
14:55	5	100	4.88	1.43	6.85	1.14	0.02	1.56	5.1	-15.1	Clear	No Odor
15:00	5	100	4.88	1.56	6.85	1.14	0.02	1.52	5.1	-16.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	Covered by ice		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	Rosati ROW	Well Locked at Arrival:	yes		
Condition of Well:	Fair	Well Locked at Departure:	n/a		
Well Completion:	Flush mount	Lock Functioning:	yes		



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-192S		Date	2-9-21	
Project Name/Location	Ford LTP		Weather	21.2 degrees F. The wind is blowing S/SW at 5.8 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	2.62	Total Depth (ft-bmp)	7.68	Water Column (ft.)	5.06	Gallons in Well	0.82	
		Pump Intake (ft-bmp)	4.12	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.49					
Sample Time:	Label	15:25	Volume Purged	2.04 gallons	Replicate/Code No.	--	Sampled by	Andrew Banitt
	Purge Start	14:21						
	Purge End	15:30						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:22	0	125	2.68	0.00	7.21	0.76	0.02	4.02	3.8	297.0	Clear	No Odor
14:27	5	125	2.75	0.17	7.40	0.90	0.02	0.60	4.0	291.1	Clear	No Odor
14:32	5	125	2.79	0.34	7.45	1.26	0.02	0.26	4.6	286.2	Clear	No Odor
14:37	5	125	2.79	0.51	7.47	1.36	0.02	0.18	4.6	253.1	Clear	No Odor
14:42	5	125	2.79	0.68	7.49	1.45	0.02	0.12	4.8	111.9	Clear	No Odor
14:47	5	125	2.79	0.85	7.45	1.48	0.02	0.11	4.7	74.0	Clear	No Odor
14:52	5	125	2.79	1.02	7.47	1.51	0.02	0.08	4.6	47.2	Clear	No Odor
14:57	5	130	2.79	1.19	7.48	1.52	0.02	0.05	4.6	25.6	Clear	No Odor
15:02	5	130	2.79	1.36	7.51	1.52	0.02	0.01	4.7	13.6	Clear	No Odor
15:07	5	125	2.79	1.53	7.48	1.53	0.02	0.04	4.6	3.4	Clear	No Odor
15:12	5	125	2.79	1.70	7.51	1.54	0.02	0.03	4.7	-11.5	Clear	No Odor
15:17	5	125	2.79	1.87	7.49	1.54	0.02	0.01	4.7	-20.5	Clear	No Odor
15:22	5	125	2.79	2.04	7.48	1.53	0.02	0.03	4.8	-30.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12036 Brewster; side yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	

APPENDIX C

Off-site Groundwater Field Sampling Logs
Residential / Commercial Properties



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-88S		Date	2-25-21	
Project Name/Location	Ford LTP		Weather	30.0 degrees F and Clear. The wind is blowing NW at 3.4 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2	Gallons in Well	0.79	
Static Water Level (ft-bmp)	8.03	Total Depth (ft-bmp)	12.88	Water Column (ft.)	4.85	Sample Method	Grab	
		Pump Intake (ft-bmp)	9.53	Purge Method	Low-Flow			
		Well Volumes Purged	1.97					
Sample Time:	Label	12:22	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	11:18						
	Purge End	12:25						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:20	0	100	8.05	0.00	9.20	0.19	5.71	3.32	9.1	37.9	Clear	No Odor
11:25	5	100	8.05	0.13	8.98	0.17	1.36	0.50	8.8	48.4	Clear	No Odor
11:30	5	100	8.05	0.26	9.06	0.15	0.02	0.29	8.8	42.9	Clear	No Odor
11:35	5	100	8.05	0.39	9.17	0.15	0.02	0.20	9.0	25.1	Clear	No Odor
11:40	5	100	8.05	0.52	9.22	0.15	0.02	0.17	9.0	-6.5	Clear	No Odor
11:45	5	100	8.05	0.65	9.24	0.16	0.02	0.14	9.0	-35.7	Clear	No Odor
11:50	5	100	8.05	0.78	9.21	0.16	0.02	0.11	9.1	-52.6	Clear	No Odor
11:55	5	100	8.05	0.91	9.20	0.17	0.02	0.12	9.1	-65.8	Clear	No Odor
12:00	5	100	8.05	1.04	9.22	0.17	0.02	0.10	9.3	-79.1	Clear	No Odor
12:05	5	100	8.05	1.17	9.21	0.18	0.02	0.09	9.2	-88.6	Clear	No Odor
12:10	5	100	8.05	1.30	9.20	0.18	0.02	0.08	9.4	-95.0	Clear	No Odor
12:15	5	100	8.05	1.43	9.21	0.18	0.02	0.09	9.1	-100.9	Clear	No Odor
12:20	5	100	8.05	1.56	9.14	0.18	0.02	0.10	9.1	-103.1	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	34965 Wadsworth; side yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-89S	Date	2-26-21			
Project Name/Location	Ford LTP		Weather	33.1 degrees F and Mostly Cloudy. The wind is blowing S/SE at 9.2 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	5.14	Total Depth (ft-bmp)	12.62	Water Column (ft.)	7.48			
		Pump Intake (ft-bmp)	6.64	Gallons in Well	1.22			
		Well Volumes Purged	1.67	Purge Method	Low-Flow			
				Sample Method	Grab			
Sample Time:	Label	13:16	Volume Purged	2.04 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	12:13						
	Purge End	13:29						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:15	0	125	5.16	0.00	7.48	1.03	3.47	1.84	6.7	51.5	Clear	No Odor
12:20	5	125	5.16	0.17	7.47	1.99	4.23	0.74	7.1	60.9	Clear, Small White Particulates	No Odor
12:25	5	125	5.16	0.34	7.51	2.38	1.83	0.49	7.3	58.4	Clear, Small White Particulates	No Odor
12:30	5	125	5.16	0.51	7.53	2.42	2.73	0.43	7.4	53.3	Clear, Small White Particulates	No Odor
12:35	5	125	5.16	0.68	7.53	2.44	2.49	0.40	7.4	53.6	Clear	No Odor
12:40	5	125	5.16	0.85	7.52	2.45	2.89	0.41	7.3	52.9	Clear, Small White Particulates	No Odor
12:45	5	125	5.16	1.02	7.51	2.52	1.87	0.42	7.3	51.8	Clear	No Odor
12:50	5	125	5.16	1.19	7.50	2.54	1.83	0.48	7.4	50.7	Clear	No Odor
12:55	5	125	5.16	1.36	7.50	2.60	1.62	0.47	7.4	48.4	Clear	No Odor
13:00	5	125	5.16	1.53	7.48	2.62	1.36	0.42	7.4	44.6	Clear	No Odor
13:05	5	125	5.16	1.70	7.48	2.70	1.48	0.45	7.4	39.7	Clear	No Odor
13:10	5	125	5.16	1.87	7.48	2.74	1.45	0.42	7.3	33.9	Clear	No Odor
13:15	5	125	5.16	2.04	7.48	2.78	1.21	0.40	7.5	30.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	34940 Beacon	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-90S		Date	2-9-21	
Project Name/Location	Ford LTP		Weather	21.0 degrees F and		The wind is blowing SW at 3.5 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	3.95	Total Depth (ft-bmp)	12.15	Water Column (ft.)	8.20	Gallons in Well	1.33	
		Pump Intake (ft-bmp)	5.45	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.56					
Sample Time:	Label	15:15	Volume Purged	2.08 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	14:28					Emma Witherspoon	
	Purge End	15:17						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:30	0	200	4.21	0.00	7.21	1.11	0.34	1.53	6.4	19.2	Clear	No Odor
14:35	5	200	4.32	0.26	6.99	1.09	1.18	1.37	6.2	23.5	Clear	No Odor
14:40	5	200	4.52	0.52	6.83	1.08	1.51	1.14	6.1	22.9	Clear	No Odor
14:45	5	200	4.82	0.78	6.74	1.09	0.37	0.82	6.2	15.0	Clear	No Odor
14:50	5	200	5.00	1.04	6.73	1.10	0.17	0.66	6.2	4.1	Clear	No Odor
14:55	5	200	5.34	1.30	6.70	1.13	0.02	0.44	6.1	-17.0	Clear	No Odor
15:00	5	200	5.50	1.56	6.69	1.14	0.02	0.44	6.3	-20.4	Clear	No Odor
15:05	5	200	5.65	1.82	6.71	1.14	0.02	0.49	6.4	-15.6	Clear	No Odor
15:10	5	200	5.82	2.08	6.71	1.15	0.02	0.45	6.4	-17.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	34380 Capitol; back yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-91S		Date	2-9-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F and . The wind is blowing N at 9.2 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Gallons in Well	0.99	
Static Water Level (ft-bmp)	5.88	Total Depth (ft-bmp)	11.98	Water Column (ft.)	6.10	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.38	Purge Method	Low-Flow			
		Well Volumes Purged	1.75					
Sample Time:	Label	11:41	Volume Purged	1.73 gallons	Replicate/Code No.	--	Sampled by	Andrew Banitt
	Purge Start	10:47						
	Purge End	11:45						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:49	0	125	5.93	0.00	6.84	0.94	5.58	11.53	8.3	183.7	Clear	No Odor
10:54	5	125	5.94	0.17	7.20	0.98	1.68	1.20	8.4	143.7	Clear	No Odor
10:59	5	128	5.94	0.34	7.23	1.31	0.02	0.00	8.8	75.7	Clear	No Odor
11:04	5	128	5.94	0.51	7.26	1.44	0.02	0.00	8.9	34.8	Clear	No Odor
11:09	5	125	5.94	0.68	7.26	1.48	0.02	0.00	8.9	15.5	Clear	No Odor
11:14	5	128	5.94	0.85	7.26	1.52	0.02	0.01	8.8	-7.7	Clear	No Odor
11:19	5	125	5.94	1.02	7.28	1.51	0.02	0.00	8.9	-24.0	Clear	No Odor
11:24	5	150	5.94	1.19	7.26	1.52	0.02	0.00	8.7	-34.3	Clear	No Odor
11:29	5	125	5.94	1.39	7.27	1.53	0.02	0.07	8.6	-41.6	Clear	No Odor
11:34	5	125	5.94	1.56	7.27	1.53	0.02	0.08	8.7	-46.2	Clear	No Odor
11:39	5	125	5.94	1.73	7.28	1.53	0.02	0.00	8.8	-49.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12034 Brewster; front yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-92S			Date	2-9-21
Project Name/Location	Ford LTP		Weather		19.4 degrees F and The wind is blowing N/E at 6.9 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	6.03	Total Depth (ft-bmp)	12.11	Water Column (ft.)	6.08	Gallons in Well	0.99
		Pump Intake (ft-bmp)	7.53	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.18				
Sample Time:	Label	13:19	Volume Purged	1.17 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:41					Andrew Banitt
	Purge End	13:24					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	12036 Brewster; front yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-93S		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F and . The wind is blowing undefined at 0.0 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Gallons in Well	0.92	
Static Water Level (ft-bmp)	6.36	Total Depth (ft-bmp)	12.05	Water Column (ft.)	5.69	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.86	Purge Method	Low-Flow			
		Well Volumes Purged	2.28					
Sample Time:	Label	13:11	Volume Purged	2.1 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	12:16						
	Purge End	13:18						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:20	0	160	6.38	0.00	7.76	0.64	4.28	1.19	8.2	70.9	Clear	No Odor
12:25	5	160	6.38	0.21	7.78	0.68	4.36	1.02	8.2	36.7	Clear	No Odor
12:30	5	160	6.39	0.42	7.79	0.68	2.67	0.99	8.3	7.9	Clear	No Odor
12:35	5	160	6.40	0.63	7.79	0.67	2.71	0.96	8.3	-5.7	Clear	No Odor
12:40	5	160	6.40	0.84	7.79	0.68	1.35	0.92	8.2	-21.7	Clear	No Odor
12:45	5	160	6.40	1.05	7.80	0.69	1.61	0.80	8.1	-34.8	Clear	No Odor
12:50	5	160	6.40	1.26	7.80	0.68	1.16	0.84	8.2	-44.2	Clear	No Odor
12:55	5	160	6.40	1.47	7.81	0.68	1.15	0.80	8.2	50.0	Clear	No Odor
13:00	5	160	6.40	1.68	7.80	0.68	0.83	0.81	8.2	-52.7	Clear	No Odor
13:05	5	160	6.40	1.89	7.80	0.67	0.46	0.86	8.1	-54.2	Clear	No Odor
13:10	5	160	6.40	2.10	7.82	0.68	0.54	0.78	8.2	-59.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	Under 6 inches of snow		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	4" = 0.65	
1.25" = 0.06		3" = 0.37		
Well Information				
Well Location:	11775 Boston Post	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-94S		Date	2-9-21	
Project Name/Location	Ford LTP		Weather	17.1 degrees F and . The wind is blowing N at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.70	Total Depth (ft-bmp)	12.22	Water Column (ft.)	5.52	Gallons in Well	0.90	
		Pump Intake (ft-bmp)	8.20	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.67					
Sample Time:	Label	11:46	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	10:43						
	Purge End	23:59						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:45	0	150	6.71	0.00	7.32	0.86	4.08	1.26	8.7	119.7	Clear	No Odor
10:50	5	150	6.71	0.20	7.36	0.84	3.44	1.10	8.7	117.1	Clear	No Odor
10:55	5	150	6.71	0.40	7.32	0.82	3.20	0.94	8.8	114.7	Clear	No Odor
11:00	5	150	6.71	0.60	7.39	0.82	2.90	0.80	8.8	114.7	Clear	No Odor
11:05	5	150	6.71	0.80	7.42	0.87	2.03	0.62	8.7	115.3	Clear	No Odor
11:10	5	150	6.71	1.00	7.43	0.87	1.47	0.59	8.7	117.7	Clear	No Odor
11:15	5	150	6.71	1.20	7.43	0.87	1.33	0.53	8.7	117.3	Clear	No Odor
11:20	5	150	6.71	1.40	7.44	0.88	1.10	0.50	8.8	117.7	Clear	No Odor
11:25	5	150	6.71	1.60	7.45	0.90	1.18	0.49	8.8	120.0	Clear	No Odor
11:30	5	150	6.71	1.80	7.45	0.93	1.14	0.48	8.6	124.1	Clear	No Odor
11:35	5	150	6.71	2.00	7.45	0.92	1.12	0.49	8.6	121.2	Clear	No Odor
11:40	5	150	6.71	2.20	7.47	0.97	1.17	0.47	8.6	128.5	Clear	No Odor
11:45	5	150	6.71	2.40	7.46	0.96	1.11	0.45	8.6	131.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	11680 Boston Post	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-95S		Date	2-12-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F and . The wind is blowing N/NE at 9.2 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Gallons in Well	1.16	
Static Water Level (ft-bmp)	4.88	Total Depth (ft-bmp)	12.00	Water Column (ft.)	7.12	Sample Method	Grab	
		Pump Intake (ft-bmp)	6.38	Purge Method	Low-Flow			
		Well Volumes Purged	1.34					
Sample Time:	Label	13:10	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	12:07						
	Purge End	13:14						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:10	0	100	4.90	0.00	7.41	1.19	0.02	3.97	5.8	-90.4	Clear	No Odor
12:15	5	100	4.90	0.13	6.75	1.18	0.94	3.43	6.1	92.7	Clear	No Odor
12:20	5	100	4.90	0.26	6.69	1.17	0.02	3.25	6.2	96.2	Clear	No Odor
12:25	5	100	4.90	0.39	6.69	1.29	0.02	3.05	6.4	100.4	Clear	No Odor
12:30	5	100	4.90	0.52	6.73	1.59	0.02	2.06	6.7	80.1	Clear	No Odor
12:35	5	100	4.90	0.65	6.78	1.83	0.02	1.46	6.8	43.5	Clear	No Odor
12:40	5	100	4.90	0.78	6.79	1.93	0.02	1.34	6.9	27.6	Clear	No Odor
12:45	5	100	4.90	0.91	6.79	2.05	0.02	1.18	6.9	14.7	Clear	No Odor
12:50	5	100	4.90	1.04	6.79	2.18	0.02	1.12	7.0	2.8	Clear	No Odor
12:55	5	100	4.90	1.17	6.80	2.25	0.02	1.01	7.1	-5.2	Clear	No Odor
13:00	5	100	4.90	1.30	6.81	2.32	0.02	0.90	7.1	-12.6	Clear	No Odor
13:05	5	100	4.90	1.43	6.81	2.34	0.79	0.83	7.1	-14.4	Clear	No Odor
13:10	5	100	4.90	1.56	6.81	2.40	0.36	1.11	7.1	-16.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	12131 Boston Post; back yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-103S		Date	2-9-21	
Project Name/Location	Ford LTP		Weather	21.2 degrees F and . The wind is blowing undefined at 0.0 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Gallons in Well	0.45	
Static Water Level (ft-bmp)	3.92	Total Depth (ft-bmp)	6.72	Water Column (ft.)	2.80	Sample Method	Grab	
		Pump Intake (ft-bmp)	5.42	Purge Method	Low-Flow			
		Well Volumes Purged	2.67					
Sample Time:	Label	14:10	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	13:30						
	Purge End	14:15						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:35	0	150	3.95	0.00	6.96	1.08	11.40	0.72	6.3	-104.0	Clear, Small Black Particulates	No Odor
13:40	5	150	3.95	0.20	6.94	1.06	6.88	0.79	6.5	-78.4	Clear	No Odor
13:45	5	150	3.95	0.40	6.95	1.07	4.92	0.72	6.5	-67.7	Clear	No Odor
13:50	5	150	3.95	0.60	6.96	1.08	1.56	0.66	6.2	-63.6	Clear	No Odor
13:55	5	150	3.95	0.80	6.98	1.09	0.95	0.60	6.1	-61.5	Clear	No Odor
14:00	5	150	3.95	1.00	6.98	1.09	0.38	0.61	6.1	-60.0	Clear	No Odor
14:05	5	150	3.95	1.20	6.98	1.09	0.04	0.60	6.0	-59.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	34424 Capitol; back yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-104S			Date	2-23-21
Project Name/Location	Ford LTP		Weather	46.0 degrees F and Mostly Clear. The wind is blowing W/NW at 18.3 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-14	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	11.50	Total Depth (ft-bmp)	14.20	Water Column (ft.)	2.70	Gallons in Well	0.44
		Pump Intake (ft-bmp)	13.00	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.77				
Sample Time:	Label	16:30	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	15:50					Emma Witherspoon
	Purge End	16:32					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information	
Well Location:	Well Locked at Arrival:
Condition of Well:	Well Locked at Departure:
Well Completion:	Lock Functioning:



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-109S		Date	2-22-21	
Project Name/Location	Ford LTP		Weather	34.0 degrees F and Cloudy. The wind is blowing W at 15.0 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.51-12.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.35	Total Depth (ft-bmp)	12.30	Water Column (ft.)	4.95	Gallons in Well	0.80	
		Pump Intake (ft-bmp)	8.85	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.91					
Sample Time:	Label	16:11	Volume Purged	1.53 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	15:23						
	Purge End	16:21						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:25	0	125	7.35	0.00	7.72	1.49	1.61	0.62	9.6	71.1	Clear	No Odor
15:30	5	125	7.35	0.17	7.67	1.68	1.56	0.48	9.5	61.6	Clear	No Odor
15:35	5	125	7.35	0.34	7.64	1.81	1.54	0.48	9.5	49.2	Clear	No Odor
15:40	5	125	7.35	0.51	7.60	1.97	1.57	0.46	9.5	37.8	Clear	No Odor
15:45	5	125	7.35	0.68	7.57	2.14	1.61	0.48	9.4	27.9	Clear	No Odor
15:50	5	125	7.35	0.85	7.55	2.27	1.69	0.47	9.5	24.7	Clear	No Odor
15:55	5	125	7.35	1.02	7.53	2.39	2.03	0.48	9.4	24.2	Clear	No Odor
16:00	5	125	7.35	1.19	7.52	2.55	1.45	0.44	9.4	22.8	Clear	No Odor
16:05	5	125	7.35	1.36	7.52	2.56	1.53	0.46	9.4	20.8	Clear	No Odor
16:10	5	125	7.35	1.53	7.52	2.57	1.47	0.47	9.4	19.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	34990 Beacon	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-110S	Date	2-23-21	
Project Name/Location	Ford LTP		Weather	43.0 degrees F and Mostly Clear and Windy. The wind is blowing W/NW at 19.7 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2	
Static Water Level (ft-bmp)	9.75	Total Depth (ft-bmp)	12.65	Water Column (ft.)	2.90	
		Pump Intake (ft-bmp)	11.25	Purge Method	Low-Flow	
		Well Volumes Purged	1.66			
Sample Time:	Label	15:15	Volume Purged	0.78 gallons	Replicate/Code No.	--
	Purge Start	14:37			Sampled by	Emma Witherspoon
	Purge End	15:20				



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:40	0	100	9.82	0.00	8.00	0.26	1.22	7.13	9.4	77.9	Clear	No Odor
14:45	5	100	9.80	0.13	7.85	0.26	0.98	7.34	9.4	73.6	Clear	No Odor
14:50	5	100	9.80	0.26	7.78	0.26	0.52	7.24	9.4	72.0	Clear	No Odor
14:55	5	100	9.80	0.39	7.76	0.26	0.02	7.17	9.4	71.6	Clear	No Odor
15:00	5	100	9.80	0.52	7.75	0.26	0.02	7.22	9.5	72.1	Clear	No Odor
15:05	5	100	9.80	0.65	7.75	0.26	0.02	7.19	9.5	72.6	Clear	No Odor
15:10	5	100	9.80	0.78	7.75	0.26	0.02	7.23	9.3	73.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	2 functional bolts, 1 broken bolt in thread		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	34850 Standish; side yard	Well Locked at Arrival:	yes	
Condition of Well:	Broken thread tabs,Fair	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-111S		Date	2-19-21	
Project Name/Location	Ford LTP		Weather	15.1 degrees F and Fog/Mist. The wind is blowing W at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.19	Total Depth (ft-bmp)	12.69	Water Column (ft.)	3.50	Gallons in Well	0.57	
		Pump Intake (ft-bmp)	10.69	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	4.44					
Sample Time:	Label	10:15	Volume Purged	2.53 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	9:14						
	Purge End	10:17						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:15	0	175	9.24	0.00	7.37	0.61	17.60	1.76	8.3	147.3	Clear	No Odor
9:20	5	175	9.24	0.23	7.40	0.60	4.08	0.71	7.8	79.5	Clear	No Odor
9:25	5	175	9.24	0.46	7.49	0.60	4.08	0.67	7.9	68.2	Clear	No Odor
9:30	5	175	9.24	0.69	7.47	0.60	3.96	0.53	8.0	57.3	Clear	No Odor
9:35	5	175	9.24	0.92	7.47	0.59	1.53	0.65	8.1	53.1	Clear	No Odor
9:40	5	175	9.24	1.15	7.47	0.59	0.02	0.61	8.2	46.4	Clear	No Odor
9:45	5	175	9.24	1.38	7.44	0.58	0.02	1.09	8.3	34.7	Clear	No Odor
9:50	5	175	9.24	1.61	7.45	0.58	0.02	1.05	8.5	28.9	Clear	No Odor
9:55	5	175	9.24	1.84	7.44	0.58	0.02	1.02	8.7	21.6	Clear	No Odor
10:00	5	175	9.24	2.07	7.43	0.59	3.65	1.03	8.7	11.6	Clear	No Odor
10:05	5	175	9.24	2.30	7.44	0.58	3.50	1.05	8.6	5.0	Clear	No Odor
10:10	5	175	9.24	2.53	7.44	0.58	0.02	1.09	8.6	2.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12051 Stark, front yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-112S			Date	2-23-21
Project Name/Location	Ford LTP		Weather		43.0 degrees F and Mostly Clear.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.36	Total Depth (ft-bmp)	11.65	Water Column (ft.)	3.29	Gallons in Well	0.53
		Pump Intake (ft-bmp)	9.86	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	2.60				
Sample Time:	Label	14:50	Volume Purged	1.38 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:13					Allyson Hartz
	Purge End	14:53					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information	
Well Location:	Well Locked at Arrival:
34935 Wadsworth, side yard	yes
Condition of Well:	Well Locked at Departure:
Good	yes
Well Completion:	Lock Functioning:
Flush mount	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-115S		Date	2-12-21	
Project Name/Location	Ford LTP		Weather	21.2 degrees F and . The wind is blowing N at 6.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	5.68	Total Depth (ft-bmp)	12.55	Water Column (ft.)	6.87	Gallons in Well	1.12	
		Pump Intake (ft-bmp)	7.18	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.62					
Sample Time:	Label	15:29	Volume Purged	1.81 gallons	Replicate/Code No.	DUP-10	Sampled by	Andrew Banitt
	Purge Start	14:40						
	Purge End	15:35						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:41	0	160	5.70	0.00	7.38	1.81	18.20	2.64	7.9	113.7	Small Orange Particulates	No Odor
14:46	5	150	5.70	0.21	7.34	1.90	2.82	0.36	8.8	52.3	Small White Particulates	No Odor
14:51	5	150	5.70	0.41	7.31	1.98	2.43	0.17	8.8	31.8	Clear	No Odor
14:56	5	150	5.70	0.61	7.28	2.00	1.37	0.10	8.8	17.2	Clear	No Odor
15:01	5	150	5.70	0.81	7.27	2.01	0.80	0.14	8.8	10.0	Clear	No Odor
15:06	5	150	5.70	1.01	7.25	2.03	1.18	0.18	8.7	1.9	Clear	No Odor
15:11	5	150	5.70	1.21	7.25	2.05	1.02	0.20	8.7	-6.5	Clear	No Odor
15:16	5	150	5.70	1.41	7.24	2.07	0.47	0.21	8.7	-13.5	Clear	No Odor
15:21	5	150	5.70	1.61	7.23	2.11	1.05	0.23	8.7	-19.3	Clear	No Odor
15:26	5	150	5.70	1.81	7.23	2.11	0.99	0.22	8.7	-23.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Front yard of 12070 Boston Post	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-116S	Date	2-26-21			
Project Name/Location	Ford LTP		Weather	23.0 degrees F and Haze. The wind is blowing S at 5.8 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	9.34	Total Depth (ft-bmp)	12.79	Water Column (ft.)	3.45			
		Pump Intake (ft-bmp)	10.84	Purge Method	Low-Flow			
		Well Volumes Purged	1.86					
Sample Time:	Label	9:13	Volume Purged	1.04 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	8:27						
	Purge End	9:16						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:30	0	100	9.38	0.00	6.99	0.35	2.84	4.25	8.3	190.6	Clear	No Odor
8:35	5	100	9.38	0.13	7.01	0.36	1.10	1.55	8.6	187.5	Clear	No Odor
8:40	5	100	9.38	0.26	7.24	0.48	0.02	1.20	8.8	167.5	Clear	No Odor
8:45	5	100	9.38	0.39	7.38	0.52	0.02	0.94	8.9	113.3	Clear	No Odor
8:50	5	100	9.38	0.52	7.49	0.55	0.02	0.88	8.9	98.0	Clear	No Odor
8:55	5	100	9.38	0.65	7.55	0.57	0.02	0.76	9.1	94.2	Clear	No Odor
9:00	5	100	9.38	0.78	7.60	0.58	0.02	0.61	9.1	92.7	Clear	No Odor
9:05	5	100	9.38	0.91	7.59	0.59	0.02	0.59	9.1	93.1	Clear	No Odor
9:10	5	100	9.38	1.04	7.62	0.60	0.02	0.56	9.1	90.6	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	34851 Wadsworth backyard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-117S		Date	2-12-21	
Project Name/Location	Ford LTP		Weather	21.2 degrees F and . The wind is blowing N at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.60	Total Depth (ft-bmp)	12.40	Water Column (ft.)	4.80	Gallons in Well	0.78	
		Pump Intake (ft-bmp)	9.10	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	3.00					
Sample Time:	Label	14:45	Volume Purged	2.34 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	13:58						
	Purge End	14:50						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:00	0	200	7.62	0.00	8.52	3.16	0.38	3.21	8.3	58.2	Clear	No Odor
14:05	5	200	7.61	0.26	7.99	0.55	1.04	2.19	8.3	62.8	Clear	No Odor
14:10	5	200	7.62	0.52	7.26	1.18	0.11	1.02	8.6	-51.5	Clear	No Odor
14:15	5	200	7.62	0.78	7.20	1.26	0.12	0.77	8.8	-64.0	Clear	No Odor
14:20	5	200	7.62	1.04	7.17	1.40	0.02	0.73	8.8	-69.3	Clear	No Odor
14:25	5	200	7.62	1.30	7.16	1.47	0.02	0.72	8.8	-70.6	Clear	No Odor
14:30	5	200	7.62	1.56	7.15	1.55	0.02	0.62	8.8	-71.2	Clear	No Odor
14:35	5	200	7.62	1.82	7.14	1.60	0.02	0.50	8.7	-71.4	Clear	No Odor
14:40	5	200	7.62	2.08	7.13	1.61	0.25	0.53	8.8	-71.4	Clear	No Odor
14:45	5	200	7.62	2.34	7.13	1.63	0.02	0.50	8.7	-70.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12089 Boston Post; side yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-118S		Date	2-15-21	
Project Name/Location	Ford LTP		Weather	14.0 degrees F and . The wind is blowing N at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.42	Total Depth (ft-bmp)	12.43	Water Column (ft.)	6.01	Gallons in Well	0.98	
		Pump Intake (ft-bmp)	7.92	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.59					
Sample Time:	Label	12:28	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	11:23						
	Purge End	12:31						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:25	0	100	6.43	0.00	7.37	0.58	0.47	6.97	6.7	79.7	Clear	No Odor
11:30	5	100	6.43	0.13	7.29	0.68	0.98	3.23	7.0	76.2	Clear	No Odor
11:35	5	100	6.43	0.26	7.13	1.63	0.02	2.23	7.7	70.3	Clear	No Odor
11:40	5	100	6.43	0.39	7.15	1.67	0.02	1.59	7.7	47.8	Clear	No Odor
11:45	5	100	6.43	0.52	7.15	1.76	0.02	1.48	7.3	29.2	Clear	No Odor
11:50	5	100	6.43	0.65	7.15	1.81	0.02	1.55	7.5	15.6	Clear	No Odor
11:55	5	100	6.43	0.78	7.15	1.90	0.02	1.32	7.3	3.3	Clear	No Odor
12:00	5	100	6.43	0.91	7.14	1.99	0.02	1.21	7.7	-5.7	Clear	No Odor
12:05	5	100	6.43	1.04	7.14	2.13	0.02	1.21	7.6	-13.9	Clear	No Odor
12:10	5	100	6.43	1.17	7.13	2.19	0.02	1.13	7.5	-21.5	Clear	No Odor
12:15	5	100	6.43	1.30	7.13	2.24	0.02	1.12	7.7	-26.4	Clear	No Odor
12:20	5	100	6.43	1.43	7.13	2.26	0.02	1.06	7.7	-31.7	Clear	No Odor
12:25	5	100	6.43	1.56	7.12	2.30	0.02	1.09	7.8	-35.4	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	12124 Boston Post; front yard		Well Locked at Arrival:	yes	
Condition of Well:	Fair		Well Locked at Departure:	yes	
Well Completion:	Flush mount		Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-119S		Date	2-11-21	
Project Name/Location	Ford LTP		Weather	23.0 degrees F and Partly Cloudy. The wind is blowing undefined at 0.0 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	5.71	Total Depth (ft-bmp)	12.34	Water Column (ft.)	6.63	Gallons in Well	1.08	
		Pump Intake (ft-bmp)	7.21	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.22					
Sample Time:	Label	15:41	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	14:37						
	Purge End	15:50						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:40	0	150	5.72	0.00	7.46	0.84	1.57	1.45	7.9	-0.2	Clear	No Odor
14:45	5	150	5.72	0.20	7.46	0.85	1.03	0.86	7.8	-4.0	Clear	No Odor
14:50	5	150	5.72	0.40	7.46	0.90	1.16	0.69	7.8	-9.1	Clear	No Odor
14:55	5	150	5.72	0.60	7.46	1.02	1.64	0.54	8.0	-13.9	Clear	No Odor
15:00	5	150	5.72	0.80	7.46	1.11	0.95	0.52	8.1	-20.7	Clear	No Odor
15:05	5	150	5.72	1.00	7.47	1.16	1.03	0.53	8.1	-24.9	Clear	No Odor
15:10	5	150	5.72	1.20	7.47	1.25	0.82	0.50	8.1	-33.0	Clear	No Odor
15:15	5	150	5.72	1.40	7.46	1.30	0.81	0.52	8.1	-40.3	Clear	No Odor
15:20	5	150	5.72	1.60	7.46	1.35	0.92	0.51	8.0	-46.6	Clear	No Odor
15:25	5	150	5.72	1.80	7.46	1.40	0.88	0.54	8.0	-51.0	Clear	No Odor
15:30	5	150	5.72	2.00	7.47	1.56	0.93	0.54	8.0	-53.3	Clear	No Odor
15:35	5	150	5.72	2.20	7.47	1.55	0.72	0.53	8.1	-56.6	Clear	No Odor
15:40	5	150	5.72	2.40	7.47	1.57	0.74	0.55	8.0	-56.1	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	Under 6 inches of snow		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	12034 Boston Post	Well Locked at Arrival:	yes		
Condition of Well:	Good	Well Locked at Departure:	yes		
Well Completion:	Flush mount	Lock Functioning:	yes		



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-121S		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	12.2 degrees F and . The wind is blowing undefined at 0.0 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Gallons in Well	0.84	
Static Water Level (ft-bmp)	6.89	Total Depth (ft-bmp)	12.07	Water Column (ft.)	5.18	Sample Method	Grab	
		Pump Intake (ft-bmp)	8.39	Purge Method	Low-Flow			
		Well Volumes Purged	3.00					
Sample Time:	Label	10:56	Volume Purged	2.52 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	9:53						
	Purge End	11:10						

Gary Schafer

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:55	0	160	6.91	0.00	7.44	0.65	23.80	0.89	9.2	6.5	Clear	No Odor
10:00	5	160	6.91	0.21	7.46	0.62	21.60	0.69	9.0	4.2	Clear	No Odor
10:05	5	160	6.91	0.42	7.49	0.61	24.50	0.63	8.8	1.5	Clear	No Odor
10:10	5	160	6.91	0.63	7.54	0.60	19.20	0.52	8.8	-4.0	Clear	No Odor
10:15	5	160	6.91	0.84	7.55	0.60	13.70	0.48	8.8	-6.7	Clear	No Odor
10:20	5	160	6.91	1.05	7.57	0.60	15.30	0.45	8.7	-9.3	Clear	No Odor
10:25	5	160	6.91	1.26	7.57	0.60	11.90	0.42	8.7	-10.4	Clear	No Odor
10:30	5	160	6.91	1.47	7.58	0.60	12.00	0.40	8.7	-10.2	Clear	No Odor
10:35	5	160	6.91	1.68	7.59	0.60	7.58	0.40	8.6	-9.4	Clear	No Odor
10:40	5	160	6.91	1.89	7.59	0.60	6.37	0.39	8.6	-8.2	Clear	No Odor
10:45	5	160	6.91	2.10	7.59	0.60	7.66	0.36	8.6	-7.9	Clear	No Odor
10:50	5	160	6.91	2.31	7.59	0.60	6.83	0.37	8.6	-7.6	Clear	No Odor
10:55	5	160	6.91	2.52	7.60	0.60	5.78	0.37	8.0	-6.1	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	Under 6 inches of snow		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	4" = 0.65	
1.25" = 0.06		3" = 0.37		
Well Information				
Well Location:	11710 Boston Post	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	n/a	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-123S		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F and . The wind is blowing S/SW at 3.5 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	Gallons in Well	1.35	
Static Water Level (ft-bmp)	2.69	Total Depth (ft-bmp)	10.98	Water Column (ft.)	8.29	Sample Method	Grab	
		Pump Intake (ft-bmp)	4.19	Purge Method	Low-Flow			
		Well Volumes Purged	1.21					
Sample Time:	Label	14:12	Volume Purged	1.63 gallons	Replicate/Code No.	--	Sampled by	Andrew Banitt
	Purge Start	13:18						
	Purge End	14:18						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:20	0	100	2.74	0.00	7.58	1.37	0.02	0.00	3.7	224.6	Clear	No Odor
13:25	5	115	2.75	0.13	7.10	1.65	0.02	0.00	4.9	141.7	Clear	No Odor
13:30	5	120	2.75	0.28	7.12	1.89	0.02	0.00	5.2	54.0	Clear	No Odor
13:35	5	125	2.75	0.44	7.13	2.08	0.02	0.00	5.8	17.1	Clear	No Odor
13:40	5	125	2.75	0.61	7.14	2.10	0.02	0.00	5.7	-6.8	Clear	No Odor
13:45	5	125	2.75	0.78	7.11	2.11	0.02	0.00	5.7	-23.9	Clear	No Odor
13:50	5	125	2.75	0.95	7.12	2.12	0.02	0.00	6.1	-35.0	Clear	No Odor
13:55	5	125	2.75	1.12	7.14	2.13	0.02	0.00	6.0	-44.4	Clear	No Odor
14:00	5	125	2.75	1.29	7.12	2.13	0.02	0.00	5.8	-47.8	Clear	No Odor
14:05	5	125	2.75	1.46	7.12	2.14	0.02	0.00	5.8	-51.6	Clear	No Odor
14:10	5	120	2.75	1.63	7.12	2.15	0.02	0.00	5.7	-54.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	12075 Brewster; side yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-125	Date	2-17-21
Project Name/Location	Ford LTP		Weather	5.0 degrees F and . The wind is blowing undefined at 0.0 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	2.15	Total Depth (ft-bmp)	11.70	Water Column (ft.)	9.55
		Pump Intake (ft-bmp)	9.50	Purge Method	Low-Flow
		Well Volumes Purged	1.16		
Sample Time:	Label	10:55	Volume Purged	1.8 gallons	Replicate/Code No.
	Purge Start	10:02			--
	Purge End	11:02			
				Sampled by	Emma Witherspoon



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:05	0	150	2.21	0.00	7.01	1.09	4.46	0.90	4.6	-129.5	Clear, Small Orange Particulates	Faint Odor
10:10	5	150	2.18	0.20	6.97	1.07	0.42	0.46	4.7	-118.7	Clear, Small Orange Particulates	No Odor
10:15	5	150	2.18	0.40	6.95	1.07	3.53	0.32	4.9	-114.3	Clear, Small Orange Particulates	No Odor
10:20	5	150	2.18	0.60	6.95	1.07	6.75	0.26	5.1	-113.0	Clear, Small Orange Particulates	No Odor
10:25	5	150	2.18	0.80	6.95	1.07	1.90	0.20	5.1	-112.6	Clear, Small Orange Particulates	No Odor
10:30	5	150	2.18	1.00	6.94	1.07	2.01	0.18	5.2	-111.4	Clear, Small Orange Particulates	No Odor
10:35	5	150	2.18	1.20	6.94	1.07	1.59	0.18	5.6	-111.0	Clear, Small Orange Particulates	No Odor
10:40	5	150	2.18	1.40	6.94	1.07	2.08	0.16	6.0	-111.1	Clear, Small Orange Particulates	No Odor
10:45	5	150	2.18	1.60	6.94	1.07	2.92	0.16	6.0	-111.0	Clear, Small Orange Particulates	No Odor
10:50	5	150	2.18	1.80	6.94	1.07	1.00	0.13	6.0	-110.3	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	35601 Veronica: back yard	Well Locked at Arrival:	yes		
Condition of Well:	Good	Well Locked at Departure:	yes		
Well Completion:	Flush mount	Lock Functioning:	yes		



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-125S		Date	2-17-21	
Project Name/Location	Ford LTP		Weather	-0.4 degrees F and . The wind is blowing undefined at 0.0 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Gallons in Well	0.73	
Static Water Level (ft-bmp)	2.25	Total Depth (ft-bmp)	6.72	Water Column (ft.)	4.47	Sample Method	Grab	
		Pump Intake (ft-bmp)	3.75	Purge Method	Low-Flow			
		Well Volumes Purged	1.25					
Sample Time:	Label	9:40	Volume Purged	0.91 gallons		Replicate/Code No.	--	
	Purge Start	8:55				Sampled by	Emma Witherspoon	
	Purge End	9:45						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:00	0	100	2.26	0.00	6.47	0.99	2.81	1.07	1.4	-67.8	Clear, Small Black Particulates.	Faint Odor
9:05	5	100	2.27	0.13	6.53	0.99	3.48	0.36	1.9	-73.1	Clear, Turbid	Faint Odor
9:10	5	100	2.27	0.26	6.56	0.99	1.52	0.21	2.3	-76.3	Clear	Faint Odor
9:15	5	100	2.27	0.39	6.59	0.99	0.34	0.24	2.4	-79.0	Clear	No Odor
9:20	5	100	2.27	0.52	6.60	0.99	0.69	0.35	2.7	-80.6	Clear	No Odor
9:25	5	100	2.27	0.65	6.62	0.99	0.49	0.18	2.8	-82.9	Clear	No Odor
9:30	5	100	2.27	0.78	6.63	0.99	0.02	0.13	2.8	-83.6	Clear	No Odor
9:35	5	100	2.27	0.91	6.65	1.00	0.02	0.10	2.8	-85.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	35601 Veronica: back yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-126S		Date	2-23-21	
Project Name/Location	Ford LTP		Weather	39.0 degrees F and Cloudy. Wind 19 mph W		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2	Gallons in Well	0.50	
Static Water Level (ft-bmp)	9.73	Total Depth (ft-bmp)	12.80	Water Column (ft.)	3.07	Sample Method	Grab	
		Pump Intake (ft-bmp)	11.23	Purge Method	Low-Flow			
		Well Volumes Purged	1.82					
Sample Time:	Label	11:50	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	11:04						
	Purge End	11:53						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:10	0	100	9.73	0.00	8.19	0.21	0.06	1.75	9.0	36.9	Clear, Small Black Particulates.	No Odor
11:15	5	100	9.73	0.13	7.87	0.18	0.02	1.50	9.0	30.3	Clear	No Odor
11:20	5	100	9.73	0.26	7.96	0.18	0.02	1.52	9.1	26.7	Clear	No Odor
11:25	5	100	9.73	0.39	8.02	0.17	0.02	1.53	9.3	25.9	Clear	No Odor
11:30	5	100	9.73	0.52	8.06	0.17	0.02	1.59	9.4	25.9	Clear	No Odor
11:35	5	100	9.73	0.65	8.15	0.17	0.02	1.62	9.3	24.0	Clear	No Odor
11:40	5	100	9.73	0.78	8.19	0.17	0.02	1.69	9.4	23.7	Clear	No Odor
11:45	5	100	9.73	0.91	8.22	0.17	0.02	1.66	9.5	24.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	34966 Standish; side yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-127S		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	16.0 degrees F and Cloudy. The wind is blowing undefined at 0.0 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	2.92	Total Depth (ft-bmp)	12.30	Water Column (ft.)	9.38	Gallons in Well	1.52	
		Pump Intake (ft-bmp)	4.42	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.14					
Sample Time:	Label	12:22	Volume Purged	1.73 gallons	Replicate/Code No.	DUP-13	Sampled by	Andrew Banitt
	Purge Start	11:29						
	Purge End	12:31						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:30	0	150	3.00	0.00	8.09	0.99	0.02	0.00	4.4	217.1	Clear	No Odor
11:35	5	130	2.99	0.20	7.17	1.04	0.02	0.00	4.7	196.5	Clear	No Odor
11:40	5	125	2.99	0.37	7.11	1.63	0.02	0.00	5.6	73.1	Clear	No Odor
11:45	5	125	2.99	0.54	7.14	1.66	0.02	0.00	5.9	30.0	Clear	No Odor
11:50	5	125	2.99	0.71	7.15	1.69	0.02	0.00	5.9	10.4	Clear	No Odor
11:55	5	125	2.99	0.88	7.16	1.72	0.02	0.00	5.9	-4.7	Clear	No Odor
12:00	5	125	2.99	1.05	7.16	1.76	0.02	0.00	6.2	-19.6	Clear	No Odor
12:05	5	125	2.99	1.22	7.17	1.78	0.02	0.00	6.1	-30.2	Clear	No Odor
12:10	5	128	2.99	1.39	7.17	1.80	0.02	0.00	6.1	-38.8	Clear	No Odor
12:15	5	125	2.99	1.56	7.17	1.83	0.02	0.00	6.1	-44.0	Clear	No Odor
12:20	5	125	2.99	1.73	7.17	1.84	0.02	0.00	6.1	-48.7	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	34424 Beacon; side yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-128S		Date	2-23-21	
Project Name/Location	Ford LTP		Weather	44.1 degrees F and Mostly Clear. The wind is blowing W at 16.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4-14	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	7.40	Total Depth (ft-bmp)	13.08	Water Column (ft.)	5.68	Gallons in Well	0.92	
		Pump Intake (ft-bmp)	8.90	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.22					
Sample Time:	Label	16:06	Volume Purged	2.04 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	15:02					Gary Schafer	
	Purge End	16:22						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:05	0	125	7.50	0.00	7.70	0.93	13.00	0.49	10.0	71.4	Clear	No Odor
15:10	5	125	7.52	0.17	7.70	0.92	13.40	0.38	10.0	69.7	Clear	No Odor
15:15	5	125	7.52	0.34	7.70	0.95	10.90	0.29	10.0	67.3	Clear	No Odor
15:20	5	125	7.52	0.51	7.70	0.94	10.70	0.31	10.0	65.2	Clear	No Odor
15:25	5	125	7.52	0.68	7.67	0.96	7.49	0.31	10.0	64.1	Clear	No Odor
15:30	5	125	7.52	0.85	7.64	1.02	6.40	0.33	9.9	64.3	Clear	No Odor
15:35	5	125	7.52	1.02	7.61	1.14	5.27	0.42	9.8	64.0	Clear	No Odor
15:40	5	125	7.52	1.19	7.56	1.35	3.56	0.46	9.5	66.2	Clear	No Odor
15:45	5	125	7.52	1.36	7.58	1.27	4.10	0.34	9.8	61.1	Clear	No Odor
15:50	5	125	7.52	1.53	7.55	1.35	8.59	0.43	10.0	64.0	Clear	No Odor
15:55	5	125	7.55	1.70	7.53	1.36	5.21	0.46	10.1	61.8	Clear	No Odor
16:00	5	125	7.55	1.87	7.54	1.42	4.12	0.61	10.1	56.0	Clear	No Odor
16:05	5	125	7.56	2.04	7.54	1.40	2.66	0.58	10.0	60.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	34360 Capitol; front yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-129		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	21.0 degrees F and Light Snow. The wind is blowing N/NE at 10.3 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	10-15	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	3.38	Total Depth (ft-bmp)	14.53	Water Column (ft.)	11.15	Gallons in Well	1.81	
		Pump Intake (ft-bmp)	12.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.86					
Sample Time:	Label	11:20	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	10:17						
	Purge End	11:24						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:20	0	100	3.50	0.00	7.29	1.06	183.00	0.69	6.7	-3.1	Cloudy, Small Orange Particulates,	Faint Odor
10:25	5	100	3.50	0.13	7.29	1.05	202.00	0.37	7.2	-30.2	Cloudy, Small Orange Particulates,	Faint Odor
10:30	5	100	3.50	0.26	7.28	1.05	157.00	0.32	6.9	-39.5	Cloudy, Small Orange Particulates,	Faint Odor
10:35	5	100	3.50	0.39	7.27	1.06	123.00	0.28	6.9	-51.0	Cloudy, Small Orange Particulates,	Faint Odor
10:40	5	100	3.50	0.52	7.26	1.06	96.70	0.27	6.9	-60.8	Cloudy, Small Orange Particulates,	Faint Odor
10:45	5	100	3.50	0.65	7.26	1.06	85.40	0.49	7.0	-67.9	Cloudy, Yellow	No Odor
10:50	5	100	3.50	0.78	7.26	1.06	81.80	0.69	7.1	-74.3	Cloudy, Yellow	No Odor
10:55	5	100	3.50	0.91	7.26	1.07	76.50	0.66	7.1	-80.1	Cloudy, Yellow	No Odor
11:00	5	100	3.50	1.04	7.27	1.07	68.90	0.68	7.1	-84.8	Small Orange Particulates, Yellow	No Odor
11:05	5	100	3.50	1.17	7.27	1.07	66.10	0.66	7.1	-87.7	Small Orange Particulates, Yellow	No Odor
11:10	5	100	3.50	1.30	7.27	1.07	55.30	0.71	7.3	-91.8	Clear, Small Orange Particulates	No Odor
11:15	5	100	3.50	1.43	7.27	1.08	54.70	0.66	7.2	-97.1	Clear, Small Orange Particulates	No Odor
11:20	5	100	3.50	1.56	7.27	1.08	45.80	0.53	7.1	-98.2	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	35601 Veronica	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-129S	Date	2-18-21			
Project Name/Location	Ford LTP			Weather	17.1 degrees F and Light Snow. The wind is blowing N/NE at 6.9 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	3.60	Total Depth (ft-bmp)	6.77	Water Column (ft.)	3.17			
		Pump Intake (ft-bmp)	5.10	Gallons in Well	0.52			
		Well Volumes Purged	3.02	Purge Method	Low-Flow			
				Sample Method	Grab			
Sample Time:	Label	9:50	Volume Purged	1.57 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	8:47						
	Purge End	9:56						

Emma Witherspoon

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
8:50	0	100	3.65	0.00	6.70	1.04	583.00	2.62	3.5	-5.0	Cloudy, Orange, Small Orange Particulates	No Odor
8:55	5	108	3.70	0.13	6.73	1.04	19.20	2.25	3.5	-13.2	Clear, Small Orange Particulates	No Odor
9:00	5	100	3.61	0.27	6.78	1.04	9.90	2.35	3.4	-19.4	Clear	No Odor
9:05	5	100	3.61	0.40	6.80	1.04	14.90	2.39	3.2	-19.9	Clear	No Odor
9:10	5	100	3.61	0.53	6.82	1.04	21.10	2.34	3.2	-24.0	Clear, Small Orange Particulates	Faint Odor
9:15	5	100	3.61	0.66	6.85	1.04	1.34	2.13	3.3	-27.4	Clear	Faint Odor
9:20	5	100	3.61	0.79	6.87	1.04	0.02	2.00	3.4	-30.5	Clear	No Odor
9:25	5	100	3.61	0.92	6.89	1.05	0.02	2.09	3.6	-31.1	Clear	No Odor
9:30	5	100	3.61	1.05	6.91	1.05	0.02	1.86	3.8	-40.7	Clear	No Odor
9:35	5	100	3.61	1.18	6.93	1.05	0.02	1.95	3.9	-43.5	Clear	No Odor
9:40	5	100	3.61	1.31	6.93	1.05	0.02	2.30	4.0	-45.4	Clear	No Odor
9:45	5	100	3.61	1.44	6.94	1.05	0.02	2.30	4.0	-45.8	Clear	No Odor
9:50	5	100	3.61	1.57	6.94	1.05	0.02	1.90	4.1	-47.4	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	35601 Veronica	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-130S			Date	2-24-21
Project Name/Location	Ford LTP		Weather	51.1 degrees F and Partly Cloudy. The wind is blowing W/SW at 16.1 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	4.60	Total Depth (ft-bmp)	13.20	Water Column (ft.)	8.60	Gallons in Well	1.40
		Pump Intake (ft-bmp)	6.10	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.85				
Sample Time:	Label	14:20	Volume Purged	1.19 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:43					Emma Witherspoon
	Purge End	14:29					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	34600 Beacon; side yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-143S		Date	2-19-21	
Project Name/Location	Ford LTP		Weather	23 cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5.5-10.5	Casing Diameter (in.)	2	Gallons in Well	0.23	
Static Water Level (ft-bmp)	8.65	Total Depth (ft-bmp)	10.09	Water Column (ft.)	1.44	Sample Method	Grab	
		Pump Intake (ft-bmp)	8.65	Purge Method	Low-Flow			
		Well Volumes Purged	7.00					
Sample Time:	Label	13:00	Volume Purged	1.61 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	12:19						
	Purge End	13:05						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:20	0	175	8.76	0.00	7.34	0.80	13.30	2.29	8.3	92.0	Clear	No Odor
12:25	5	175	8.76	0.23	7.25	0.80	13.60	1.51	8.9	93.9	Clear	No Odor
12:30	5	175	8.76	0.46	7.25	0.79	13.20	1.01	9.1	93.2	Clear	No Odor
12:35	5	175	8.76	0.69	7.25	0.78	14.20	1.01	9.1	93.1	Clear	No Odor
12:40	5	175	8.76	0.92	7.25	0.78	6.87	0.83	9.1	93.8	Clear	No Odor
12:45	5	175	8.76	1.15	7.24	0.78	3.70	0.79	9.1	93.8	Clear	No Odor
12:50	5	175	8.76	1.38	7.25	0.78	3.70	0.82	9.1	93.7	Clear	No Odor
12:55	5	175	8.76	1.61	7.25	0.78	0.02	0.79	9.2	93.7	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12069 Stark	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-144S	Date	2-22-21			
Project Name/Location	Ford LTP			Weather	35.1 degrees F and Cloudy. The wind is blowing W/SW at 17.2 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	9.46	Total Depth (ft-bmp)	11.73	Water Column (ft.)	2.27			
		Pump Intake (ft-bmp)	10.96	Purge Method	Low-Flow			
		Well Volumes Purged	5.51					
Sample Time:	Label	11:41	Volume Purged	2.04 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	10:38						
	Purge End	11:56						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:40	0	125	95.00	0.00	7.22	0.56	37.00	3.73	9.0	192.1	Cloudy	No Odor
10:45	5	125	9.50	0.17	7.36	0.55	19.60	2.58	8.9	173.6	Clear, Turbid	No Odor
10:50	5	125	9.50	0.34	7.44	0.54	9.94	1.96	8.9	160.8	Clear	No Odor
10:55	5	125	9.50	0.51	7.47	0.53	8.87	1.66	8.9	149.1	Clear	No Odor
11:00	5	125	9.50	0.68	7.47	0.54	7.31	1.49	8.9	136.0	Clear	No Odor
11:05	5	125	9.50	0.85	7.48	0.54	7.59	1.42	8.5	120.8	Clear	No Odor
11:10	5	125	9.50	1.02	7.47	0.53	6.56	1.53	8.3	111.2	Clear	No Odor
11:15	5	125	9.50	1.19	7.49	0.54	5.86	1.19	8.7	95.9	Clear	No Odor
11:20	5	125	9.50	1.36	7.49	0.54	6.28	1.19	8.7	82.1	Clear	No Odor
11:25	5	125	9.50	1.53	7.49	0.54	6.16	1.16	8.6	70.8	Clear	No Odor
11:30	5	125	9.50	1.70	7.49	0.54	6.03	1.17	8.7	57.6	Clear	No Odor
11:35	5	125	9.50	1.87	7.50	0.55	4.34	1.10	8.7	56.0	Clear	No Odor
11:40	5	125	9.50	2.04	7.47	0.55	2.56	1.06	8.7	55.4	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments

Had to chip out ice inside vault that was covering j-plug

Well Casing Volumes
Gallons/Foot
1" = 0.04
1.25" = 0.06
1.5" = 0.09
2" = 0.16
2.5" = 0.26
3" = 0.37
3.5" = 0.50
4" = 0.65
6" = 1.47

Well Information

Well Location:	12033 Stark	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-145S	Date	2-15-21
Project Name/Location	Ford LTP		Weather	17.6 degrees F and	The wind is blowing N/NW at 9.2 mph.
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-11	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	7.45	Total Depth (ft-bmp)	9.95	Water Column (ft.)	2.50
		Pump Intake (ft-bmp)	8.95	Purge Method	Low-Flow
		Well Volumes Purged	3.90		
Sample Time:	Label	16:00	Volume Purged	1.6 gallons	Replicate/Code No.
	Purge Start	15:13			--
	Purge End	16:03			
					Sampled by
					Emma Witherspoon



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:15	0	150	7.55	0.00	6.69	1.69	15.00	0.73	6.8	-53.5	Clear, Small Brown Particulates	No Odor
15:20	5	150	7.50	0.20	6.67	1.69	19.10	0.43	6.7	-44.4	Clear, Small Black Particulates	No Odor
15:25	5	150	7.50	0.40	6.68	1.66	23.20	0.32	6.6	-41.8	Clear, Small Black Particulates	No Odor
15:30	5	150	7.50	0.60	6.73	1.56	8.79	0.26	6.2	-46.9	Clear	No Odor
15:35	5	150	7.50	0.80	6.77	1.50	4.32	0.16	6.0	-55.2	Clear	No Odor
15:40	5	150	7.50	1.00	6.78	1.43	3.59	0.20	6.2	-61.1	Clear	No Odor
15:45	5	150	7.50	1.20	6.79	1.39	1.79	0.20	6.6	-61.2	Clear	No Odor
15:50	5	150	7.50	1.40	6.80	1.38	0.49	0.18	6.6	-64.2	Clear	No Odor
15:55	5	150	7.50	1.60	6.80	1.37	1.09	0.19	6.6	-65.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	12087 Stark; back yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-146S		Date	2-15-21	
Project Name/Location	Ford LTP		Weather	14.0 degrees F and . The wind is blowing N at 10.4 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-11	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.45	Total Depth (ft-bmp)	9.85	Water Column (ft.)	3.40	Gallons in Well	0.55	
		Pump Intake (ft-bmp)	7.95	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.36					
Sample Time:	Label	14:30	Volume Purged	1.3 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	13:30						
	Purge End	14:35						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:35	0	100	6.55	0.00	6.91	1.23	31.50	2.95	7.2	-45.5	Clear	No Odor
13:40	5	100	6.51	0.13	6.85	1.25	29.00	2.11	7.0	32.3	Clear	No Odor
13:45	5	100	6.52	0.26	6.82	1.28	21.70	1.66	7.1	6.7	Clear	No Odor
13:50	5	100	6.51	0.39	6.80	1.29	12.70	1.37	7.4	4.9	Clear	No Odor
13:55	5	100	6.51	0.52	6.79	1.33	8.31	1.07	7.5	-6.8	Clear	No Odor
14:00	5	100	6.51	0.65	6.78	1.36	4.45	0.91	7.5	-3.7	Clear	No Odor
14:05	5	100	6.51	0.78	6.77	1.39	2.71	0.83	7.7	-6.6	Clear	No Odor
14:10	5	100	6.51	0.91	6.77	1.41	1.75	0.78	7.7	-5.0	Clear	No Odor
14:15	5	100	6.51	1.04	6.77	1.43	0.54	0.69	7.7	-5.6	Clear	No Odor
14:20	5	100	6.51	1.17	6.76	1.44	0.72	0.70	7.7	-2.5	Clear	No Odor
14:25	5	100	6.51	1.30	6.76	1.45	0.31	0.68	7.7	-4.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	34367 Capitol; front yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-147S			Date	2-9-21
Project Name/Location	Ford LTP		Weather		19.4 degrees F and The wind is blowing N/NW at 4.6 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	4.70	Total Depth (ft-bmp)	6.73	Water Column (ft.)	2.03	Gallons in Well	0.33
		Pump Intake (ft-bmp)	6.20	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.64				
Sample Time:	Label	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	11:58					
	Purge End	12:35					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	34401 Capitol; front yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	no
Well Completion:	Flush mount	Lock Functioning:	yes

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-148S			Date	2-11-21
Project Name/Location	Ford LTP		Weather	19.4 degrees F and . The wind is blowing N at 6.9 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	3.40	Total Depth (ft-bmp)	6.32	Water Column (ft.)	2.92	Gallons in Well	0.47
		Pump Intake (ft-bmp)	4.90	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.32				
Sample Time:	Label	13:40	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:00					Emma Witherspoon
	Purge End	13:43					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	12088 Brewster; side yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-149S		Date	2-11-21	
Project Name/Location	Ford LTP		Weather	15.8 degrees F and . The wind is blowing N at 10.4 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	2.30	Total Depth (ft-bmp)	6.50	Water Column (ft.)	4.20	Gallons in Well	0.68	
		Pump Intake (ft-bmp)	3.80	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.35					
Sample Time:	Label	12:10	Volume Purged	1.6 gallons	Replicate/Code No.	DUP-15	Sampled by	Emma Witherspoon
	Purge Start	23:23						
	Purge End	12:15						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:25	0	150	2.40	0.00	7.86	1.81	56.90	7.01	4.4	-64.2	Small Orange Particulates, Turbid	No Odor
11:30	5	150	2.35	0.20	7.33	1.81	50.20	6.29	4.2	-57.7	Small Orange Particulates, Turbid	No Odor
11:35	5	150	2.35	0.40	7.03	1.81	18.20	6.57	4.5	-63.9	Clear, Small Orange Particulates	No Odor
11:40	5	150	2.35	0.60	6.97	1.82	8.75	5.95	4.7	-67.0	Clear, Small Orange Particulates	No Odor
11:45	5	150	2.35	0.80	6.93	1.81	4.60	5.61	4.6	-69.3	Clear	No Odor
11:50	5	150	2.35	1.00	6.93	1.82	1.70	5.46	4.7	-71.2	Clear	No Odor
11:55	5	150	2.35	1.20	6.92	1.83	1.04	5.38	4.6	-71.6	Clear	No Odor
12:00	5	150	2.35	1.40	6.92	1.86	0.05	5.28	4.5	-70.2	Clear	No Odor
12:05	5	150	2.35	1.60	6.91	1.88	0.27	5.43	4.5	-69.7	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	None		

Well Casing Volumes				
Gallons/foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	34450 Beacon; back yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-150S			Date	2-11-21
Project Name/Location	Ford LTP		Weather		23.0 degrees F and . The wind is blowing N at 5.8 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	4.66	Total Depth (ft-bmp)	6.72	Water Column (ft.)	2.06	Gallons in Well	0.33
		Pump Intake (ft-bmp)	6.16	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.64				
Sample Time:	Label	15:15	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:43					Emma Witherspoon
	Purge End	15:20					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
				6" = 1.47

Well Information

Well Location:	34380 Beacon; back yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-151S		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	19.4 degrees F and . The wind is blowing undefined at 0.0 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2	Gallons in Well	0.59	
Static Water Level (ft-bmp)	3.30	Total Depth (ft-bmp)	6.93	Water Column (ft.)	3.63	Sample Method	Grab	
		Pump Intake (ft-bmp)	4.80	Purge Method	Low-Flow			
		Well Volumes Purged	2.90					
Sample Time:	Label	16:14	Volume Purged	1.71 gallons	Replicate/Code No.	--	Sampled by	Andrew Banitt
	Purge Start	15:15						
	Purge End	16:17						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:16	0	150	3.33	0.00	9.06	0.48	48.00	1.19	2.2	200.6	Cloudy	No Odor
15:21	5	120	3.33	0.20	7.51	0.77	33.10	0.39	2.9	214.4	Clear	No Odor
15:26	5	115	3.33	0.36	7.09	1.38	1.20	0.07	4.0	147.5	Clear	No Odor
15:31	5	115	3.33	0.51	7.04	1.58	0.02	0.00	4.6	78.5	Clear	No Odor
15:36	5	115	3.33	0.66	7.07	1.64	0.02	0.00	4.7	36.4	Clear	No Odor
15:41	5	115	3.33	0.81	7.09	1.67	0.02	0.00	4.9	11.0	Clear	No Odor
15:46	5	115	3.33	0.96	7.09	1.69	0.02	0.00	5.0	-12.0	Clear	No Odor
15:51	5	115	3.33	1.11	7.10	1.69	0.02	0.00	5.0	-24.8	Clear	No Odor
15:56	5	115	3.33	1.26	7.10	1.69	0.02	0.00	5.0	-33.8	Clear	No Odor
16:01	5	115	3.34	1.41	7.11	1.70	0.02	0.00	5.1	-40.7	Clear	No Odor
16:06	5	115	3.33	1.56	7.11	1.70	0.02	0.00	5.1	-44.5	Clear	No Odor
16:11	5	115	3.33	1.71	7.11	1.71	0.02	0.00	5.2	-48.3	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12091 Brewster; Backyard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-152S		Date	2-24-21	
Project Name/Location	Ford LTP		Weather	52.0 degrees F and Mostly Cloudy. The wind is blowing W/SW at 17.2 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2	Gallons in Well	0.36	
Static Water Level (ft-bmp)	4.51	Total Depth (ft-bmp)	6.70	Water Column (ft.)	2.19	Sample Method	Grab	
		Pump Intake (ft-bmp)	6.01	Purge Method	Low-Flow			
		Well Volumes Purged	6.67					
Sample Time:	Label	16:00	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	14:58						
	Purge End	16:04						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:00	0	150	4.64	0.00	7.56	0.42	274.00	10.20	4.7	72.6	Cloudy	No Odor
15:05	5	150	4.62	0.20	7.17	0.52	192.00	8.03	5.2	14.8	Cloudy	No Odor
15:10	5	150	4.62	0.40	7.08	0.91	92.90	5.85	5.8	-31.0	Cloudy	No Odor
15:15	5	150	4.62	0.60	7.04	1.12	25.60	2.81	6.1	-36.2	Cloudy	No Odor
15:20	5	150	4.62	0.80	7.03	1.22	22.70	1.06	6.2	-39.6	Cloudy	No Odor
15:25	5	150	4.62	1.00	7.04	1.23	24.00	0.91	6.3	-41.0	Cloudy	No Odor
15:30	5	150	4.62	1.20	7.06	1.24	20.90	0.88	6.3	-42.9	Clear	No Odor
15:35	5	150	4.62	1.40	7.07	1.24	13.50	0.78	6.3	-45.3	Clear	No Odor
15:40	5	150	4.62	1.60	7.08	1.25	8.08	0.66	6.4	-46.5	Clear	No Odor
15:45	5	150	4.62	1.80	7.08	1.28	4.07	0.48	6.5	-48.9	Clear	No Odor
15:50	5	150	4.62	2.00	7.08	1.28	7.94	0.42	6.5	-50.4	Clear	No Odor
15:55	5	150	4.62	2.20	7.09	1.26	5.30	0.42	6.5	-51.1	Clear	No Odor
16:00	5	150	4.62	2.40	7.09	1.27	2.93	0.38	6.5	-51.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	34550 Beacon; back yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-153S		Date	2-17-21	
Project Name/Location	Ford LTP		Weather	21.0 degrees F and Cloudy. The wind is blowing undefined at 0.0 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Gallons in Well	0.40	
Static Water Level (ft-bmp)	3.58	Total Depth (ft-bmp)	6.02	Water Column (ft.)	2.44	Sample Method	Grab	
		Pump Intake (ft-bmp)	5.08	Purge Method	Low-Flow			
		Well Volumes Purged	2.27					
Sample Time:	Label	15:42	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	15:02						
	Purge End	15:45						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:05	0	100	3.61	0.00	7.35	0.95	5.51	1.02	5.0	63.0	Clear	No Odor
15:10	5	100	3.62	0.13	7.38	0.96	3.52	0.73	5.3	54.9	Clear	No Odor
15:15	5	100	3.61	0.26	7.38	0.95	0.10	0.66	5.1	50.0	Clear	No Odor
15:20	5	100	3.61	0.39	7.37	0.95	0.02	0.53	5.3	46.2	Clear	No Odor
15:25	5	100	3.61	0.52	7.37	0.94	0.02	0.51	5.3	43.3	Clear	No Odor
15:30	5	100	3.61	0.65	7.37	0.94	0.02	0.46	5.4	40.5	Clear	No Odor
15:35	5	100	3.61	0.78	7.37	0.94	0.02	0.43	5.4	39.1	Clear	No Odor
15:40	5	100	3.61	0.91	7.37	0.94	0.02	0.35	5.3	36.7	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	Bentonite covering j-plug upon arrival. Filled back in before departure.		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	34644 Beacon; back yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-154S			Date	2-17-21	
Project Name/Location	Ford LTP		Weather	19.9 degrees F and Light Snow. The wind is blowing undefined at 0.0 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	5.32	Total Depth (ft-bmp)	7.05	Water Column (ft.)	1.73	Gallons in Well	0.28	
		Pump Intake (ft-bmp)	6.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.79					
Sample Time:	Label	13:42	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	13:08						
	Purge End	13:46						

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	34682 Beacon; side yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-155S		Date	2-12-21	
Project Name/Location	Ford LTP		Weather	21.2 degrees F and . The wind is blowing N/NE at 8.1 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Gallons in Well	0.33	
Static Water Level (ft-bmp)	4.46	Total Depth (ft-bmp)	6.50	Water Column (ft.)	2.04	Sample Method	Grab	
		Pump Intake (ft-bmp)	5.96	Purge Method	Low-Flow			
		Well Volumes Purged	5.85					
Sample Time:	Label	17:10	Volume Purged	1.93 gallons	Replicate/Code No.	--	Sampled by	Andrew Banitt
	Purge Start	16:16						
	Purge End	17:14						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
16:18	0	140	4.49	0.00	7.36	0.84	167.00	5.76	6.2	52.3	Brown	No Odor
16:23	5	140	4.49	0.18	7.27	1.18	84.70	2.55	7.4	0.6	Cloudy	No Odor
16:28	5	150	4.49	0.36	7.31	1.17	28.10	1.73	7.6	-25.8	Clear	No Odor
16:33	5	125	4.49	0.56	7.29	1.14	14.90	1.04	7.4	-36.3	Clear	No Odor
16:38	5	150	4.49	0.73	7.28	1.09	9.35	0.65	7.8	-41.4	Clear	No Odor
16:43	5	150	4.49	0.93	7.27	1.10	4.17	0.22	7.9	-44.3	Clear	No Odor
16:48	5	150	4.49	1.13	7.27	1.08	3.36	0.19	7.9	-46.4	Clear	No Odor
16:53	5	150	4.49	1.33	7.26	1.06	4.23	0.09	7.9	-47.9	Clear	No Odor
16:58	5	150	4.49	1.53	7.26	1.02	3.34	0.03	7.9	-48.9	Clear	No Odor
17:03	5	150	4.49	1.73	7.25	1.04	3.38	0.04	8.0	-48.7	Clear	No Odor
17:08	5	150	4.49	1.93	7.25	1.04	4.74	0.07	7.9	-48.7	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12066 Boston Post	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-156S		Date	2-15-21	
Project Name/Location	Ford LTP		Weather	12.2 degrees F and		The wind is blowing	N/NW at 12.7 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	5.90	Total Depth (ft-bmp)	7.63	Water Column (ft.)	1.73	Gallons in Well	0.28	
		Pump Intake (ft-bmp)	7.40	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	5.57					
Sample Time:	Label	10:28	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	9:23						
	Purge End	10:31						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:25	0	100	5.99	0.00	7.56	0.45	13.80	6.69	6.4	164.8	Clear	No Odor
9:30	5	100	6.01	0.13	7.52	0.43	12.80	5.99	6.3	144.6	Clear	No Odor
9:35	5	100	6.01	0.26	7.55	0.42	2.50	5.58	6.4	156.4	Clear	No Odor
9:40	5	100	6.01	0.39	7.58	0.40	0.02	5.56	6.4	140.8	Clear	No Odor
9:45	5	100	6.01	0.52	7.59	0.39	0.02	5.39	6.3	127.4	Clear	No Odor
9:50	5	100	6.01	0.65	7.60	0.38	0.02	5.35	6.3	117.7	Clear	No Odor
9:55	5	100	6.01	0.78	7.60	0.37	0.02	5.30	6.3	110.2	Clear	No Odor
10:00	5	100	6.01	0.91	7.61	0.37	0.02	5.14	6.3	104.5	Clear	No Odor
10:05	5	100	6.00	1.04	7.62	0.37	0.03	5.02	6.3	98.2	Clear	No Odor
10:10	5	100	6.00	1.17	7.62	0.36	0.02	4.84	6.3	88.3	Clear	No Odor
10:15	5	100	6.00	1.30	7.62	0.36	0.02	4.69	6.4	76.9	Clear	Faint Odor
10:20	5	100	6.00	1.43	7.63	0.36	0.02	4.72	6.3	71.4	Clear	No Odor
10:25	5	100	6.00	1.56	7.63	0.35	0.02	5.42	6.0	66.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	12100 Boston Post; back yard		Well Locked at Arrival:	yes	
Condition of Well:	Fair		Well Locked at Departure:	yes	
Well Completion:	Flush mount		Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-157S			Date	2-12-21
Project Name/Location	Ford LTP		Weather	23.0 degrees F and Light Snow. The wind is blowing N at 8.1 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	5.95	Total Depth (ft-bmp)	7.20	Water Column (ft.)	1.25	Gallons in Well	0.20
		Pump Intake (ft-bmp)	6.58	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.90				
Sample Time:	Label	16:00	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	15:21					Emma Witherspoon
	Purge End	16:03					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	12067 Boston Post, front yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-158S		Date	2-17-21	
Project Name/Location	Ford LTP		Weather	1.4 degrees F and . The wind is blowing undefined at 0.0 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2	Gallons in Well	0.30	
Static Water Level (ft-bmp)	5.55	Total Depth (ft-bmp)	7.42	Water Column (ft.)	1.87	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.05	Purge Method	Low-Flow			
		Well Volumes Purged	6.80					
Sample Time:	Label	10:51	Volume Purged	2.04 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	9:47						
	Purge End	10:58						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:50	0	125	6.08	0.00	7.81	0.50	40.10	1.15	6.9	-13.3	Clear, Turbid	No Odor
9:55	5	125	6.10	0.17	7.86	0.49	23.80	1.03	6.9	-31.2	Clear	No Odor
10:00	5	125	6.18	0.34	7.90	0.48	20.10	0.86	6.9	-53.6	Clear	No Odor
10:05	5	125	6.21	0.51	7.93	0.48	13.30	0.78	6.9	-60.7	Clear	No Odor
10:10	5	125	6.25	0.68	7.93	0.48	12.20	0.73	6.8	-68.4	Clear	Faint Odor
10:15	5	125	6.25	0.85	7.96	0.48	10.10	75.00	6.7	-69.1	Clear	No Odor
10:20	5	125	6.34	1.02	7.98	0.48	6.52	0.80	6.8	-67.0	Clear	No Odor
10:25	5	125	6.34	1.19	7.99	0.47	4.60	0.82	6.9	-63.1	Clear	No Odor
10:30	5	125	6.34	1.36	8.00	0.48	4.49	0.86	7.0	-58.0	Clear	No Odor
10:35	5	125	6.35	1.53	8.00	0.49	2.28	0.82	6.9	-52.0	Clear	No Odor
10:40	5	125	6.35	1.70	8.01	0.49	2.01	0.81	7.1	-46.2	Clear	No Odor
10:45	5	125	6.40	1.87	8.01	0.48	1.68	0.80	6.7	-48.7	Clear	No Odor
10:50	5	125	6.40	2.04	8.02	0.49	1.52	0.85	7.1	-33.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	34950 Beacon	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-159S			Date	2-17-21
Project Name/Location	Ford LTP		Weather	21.0 degrees F and Cloudy.			The wind is blowing undefined at 0.0 mph.w
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4-9	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.10	Total Depth (ft-bmp)	8.50	Water Column (ft.)	1.40	Gallons in Well	0.23
		Pump Intake (ft-bmp)	7.80	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	4.43				
Sample Time:	Label	15:31	Volume Purged	1.02 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:57					Gary Schafer
	Purge End	15:42					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	34920 Beacon	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-160S		Date	2-12-21	
Project Name/Location	Ford LTP		Weather	17.1 degrees F and Cloudy. The wind is blowing NE at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4-9	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.70	Total Depth (ft-bmp)	7.10	Water Column (ft.)	0.40	Gallons in Well	0.06	
		Pump Intake (ft-bmp)	6.90	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	23.50					
Sample Time:	Label	11:10	Volume Purged	1.41 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	10:27					Emma Witherspoon	
	Purge End	11:15						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:30	0	150	6.85	0.00	6.78	0.68	24.70	5.88	6.7	26.7	Clear, Turbid	No Odor
10:35	5	150	6.82	0.20	6.78	0.67	2.61	4.20	6.6	-1.8	Clear	No Odor
10:40	5	150	6.82	0.40	6.80	0.67	2.41	4.57	6.7	-2.4	Clear	No Odor
10:45	5	150	6.82	0.60	6.83	0.68	0.58	4.45	6.7	-3.8	Clear	No Odor
10:50	5	150	6.82	0.80	6.85	0.70	0.02	4.09	6.8	-16.4	Clear	No Odor
10:55	5	158	6.82	1.00	6.87	0.71	0.53	4.10	6.8	-24.3	Clear	No Odor
11:00	5	150	6.82	1.21	6.87	0.72	0.02	4.21	6.7	-23.8	Clear	No Odor
11:05	5	150	6.82	1.41	6.89	0.73	0.02	3.86	6.8	-20.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12141 Boston Post; front yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-162S		Date	2-9-21	
Project Name/Location	Ford LTP		Weather	21.2 degrees F and		The wind is blowing	W/NW at 5.8 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	5.97	Total Depth (ft-bmp)	7.77	Water Column (ft.)	1.80	Gallons in Well	0.29	
		Pump Intake (ft-bmp)	7.47	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	4.72					
Sample Time:	Label	16:45	Volume Purged	1.37 gallons		Replicate/Code No.	--	
	Purge Start	16:06				Sampled by	Andrew Banitt	
	Purge End	17:02						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
16:08	0	125	6.03	0.00	6.46	0.84	57.80	0.00	5.8	32.3	Orange	No Odor
16:13	5	150	6.03	0.17	7.27	0.49	17.30	0.00	6.8	-13.0	Clear	No Odor
16:18	5	150	6.03	0.37	7.45	0.50	7.24	0.00	6.9	-16.9	Clear	No Odor
16:23	5	150	6.03	0.57	7.19	0.56	106.00	0.00	7.0	-57.1	Cloudy	No Odor
16:28	5	150	6.03	0.77	7.33	0.54	28.90	0.00	7.1	-81.3	Clear	No Odor
16:33	5	150	6.03	0.97	7.40	0.54	12.80	0.00	7.1	-80.1	Clear	No Odor
16:38	5	150	6.03	1.17	7.41	0.54	12.60	0.00	7.0	-77.0	Clear	No Odor
16:43	5	150	6.03	1.37	7.42	0.55	12.00	0.00	6.9	-76.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	J plug was iced over		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	12017 Brewster; side yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-163S		Date	2-24-21	
Project Name/Location	Ford LTP		Weather	44.1 degrees F and Mostly Clear. Winds 16 mph West		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Gallons in Well	0.34	
Static Water Level (ft-bmp)	4.62	Total Depth (ft-bmp)	6.74	Water Column (ft.)	2.12	Sample Method	Grab	
		Pump Intake (ft-bmp)	6.12	Purge Method	Low-Flow			
		Well Volumes Purged	6.00					
Sample Time:	Label	12:05	Volume Purged	2.04 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	11:02						
	Purge End	12:13						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:05	0	125	4.70	0.00	7.27	0.56	851.00	2.71	7.0	-68.8	Cloudy	No Odor
11:10	5	125	4.70	0.17	7.27	0.56	282.00	1.02	7.1	-63.3	Cloudy	No Odor
11:15	5	125	4.70	0.34	7.35	0.55	70.40	1.20	7.1	-59.6	Cloudy	No Odor
11:20	5	125	4.70	0.51	7.41	0.54	10.00	1.79	7.1	-43.2	Clear	No Odor
11:25	5	125	4.70	0.68	7.42	0.54	2.45	1.63	7.1	-34.4	Clear	No Odor
11:30	5	125	4.70	0.85	7.43	0.54	1.85	1.51	7.1	-26.2	Clear	No Odor
11:35	5	125	4.70	1.02	7.43	0.53	0.80	1.52	7.1	-19.8	Clear	No Odor
11:40	5	125	4.70	1.19	7.44	0.53	0.06	1.18	7.1	-18.6	Clear	No Odor
11:45	5	125	4.70	1.36	7.44	0.53	0.19	1.11	7.2	-19.4	Clear	No Odor
11:50	5	125	4.70	1.53	7.45	0.52	0.02	1.26	7.2	-17.4	Clear	No Odor
11:55	5	125	4.70	1.70	7.44	0.52	0.02	1.40	7.2	-14.8	Clear	No Odor
12:00	5	125	4.70	1.87	7.44	0.51	0.02	1.59	7.2	-11.0	Clear	No Odor
12:05	5	125	4.70	2.04	7.44	0.51	0.02	1.49	7.2	-14.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	34591 Beacon; front yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-164S		Date	2-17-21	
Project Name/Location	Ford LTP		Weather	12.9 degrees F and Mostly Cloudy. The wind is blowing S/SW at 3.4 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2	Gallons in Well	0.26	
Static Water Level (ft-bmp)	5.92	Total Depth (ft-bmp)	7.50	Water Column (ft.)	1.58	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.00	Purge Method	Low-Flow			
		Well Volumes Purged	3.50					
Sample Time:	Label	12:27	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	11:48						
	Purge End	12:30						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:50	0	100	5.97	0.00	7.53	0.46	20.40	10.57	5.4	35.7	Clear, Small White Particulates	No Odor
11:55	5	100	5.98	0.13	7.59	0.50	16.40	11.73	5.4	46.7	Clear	No Odor
12:00	5	100	5.97	0.26	7.60	0.53	9.17	11.78	5.5	46.7	Clear	No Odor
12:05	5	100	5.97	0.39	7.61	0.54	1.94	11.65	5.5	45.7	Clear	No Odor
12:10	5	100	5.98	0.52	7.60	0.56	1.45	11.44	5.5	46.3	Clear	No Odor
12:15	5	100	5.98	0.65	7.60	0.56	0.02	11.49	5.6	44.6	Clear	No Odor
12:20	5	100	5.97	0.78	7.59	0.56	0.02	11.32	5.7	43.7	Clear	No Odor
12:25	5	100	5.98	0.91	7.58	0.58	0.02	11.46	5.7	43.7	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	34637 Beacon; side yard	Well Locked at Arrival:	yes	
Condition of Well:	Fair	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-165S		Date	2-17-21	
Project Name/Location	Ford LTP		Weather	5.0 degrees F and . The wind is blowing undefined at 0.0 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Gallons in Well	0.22	
Static Water Level (ft-bmp)	4.97	Total Depth (ft-bmp)	6.30	Water Column (ft.)	1.33	Sample Method	Grab	
		Pump Intake (ft-bmp)	6.00	Purge Method	Low-Flow			
		Well Volumes Purged	5.32					
Sample Time:	Label	11:02	Volume Purged	1.17 gallons		Replicate/Code No.	--	
	Purge Start	10:12				Sampled by	Kara Donahue	
	Purge End	11:05						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:15	0	100	5.07	0.00	7.32	0.70	53.70	4.69	5.6	150.5	Clear, Small White Particulates	No Odor
10:20	5	100	5.08	0.13	7.33	0.66	15.00	2.77	5.3	130.2	Clear, Small White Particulates	No Odor
10:25	5	100	5.08	0.26	7.34	0.65	0.02	1.78	5.5	117.5	Clear	No Odor
10:30	5	100	5.08	0.39	7.35	0.65	0.02	1.29	5.4	105.3	Clear	No Odor
10:35	5	100	5.08	0.52	7.35	0.65	0.02	1.20	5.5	96.8	Clear	No Odor
10:40	5	100	5.08	0.65	7.36	0.65	0.02	1.11	5.4	88.8	Clear	No Odor
10:45	5	100	5.08	0.78	7.36	0.65	0.02	1.05	5.7	82.0	Clear	No Odor
10:50	5	100	5.08	0.91	7.36	0.65	0.02	1.00	5.7	76.4	Clear	No Odor
10:55	5	100	5.08	1.04	7.37	0.65	0.02	0.95	5.7	71.4	Clear	No Odor
11:00	5	100	5.09	1.17	7.37	0.66	0.02	0.92	5.6	66.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	34669 Beacon; side yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-166S			Date	2-25-21
Project Name/Location	Ford LTP		Weather		37.0 degrees F and Mostly Clear. The wind is blowing W/SW at 11.4 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-11	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.91	Total Depth (ft-bmp)	10.59	Water Column (ft.)	2.68	Gallons in Well	0.44
		Pump Intake (ft-bmp)	9.41	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.77				
Sample Time:	Label	13:47	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:13					Kara Donahue
	Purge End	13:50					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	12147 Stark; front yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-167S		Date	2-18-21	
Project Name/Location	Ford LTP		Weather	19.9 degrees F and Light Snow. The wind is blowing NE at 10.3 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.69	Total Depth (ft-bmp)	9.24	Water Column (ft.)	2.55	Gallons in Well	0.41	
		Pump Intake (ft-bmp)	8.19	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	3.17					
Sample Time:	Label	11:32	Volume Purged	1.3 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	10:37						
	Purge End	11:35						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:40	0	100	6.71	0.00	7.18	1.01	35.00	12.34	6.9	139.7	Clear, Small Orange Particulates	No Odor
10:45	5	100	6.71	0.13	7.19	0.94	27.80	10.48	6.5	122.5	Clear, Small Orange Particulates	No Odor
10:50	5	100	6.71	0.26	7.17	1.03	12.50	10.38	6.2	111.2	Clear	No Odor
10:55	5	100	6.71	0.39	7.19	1.05	11.20	10.31	6.0	99.2	Clear	No Odor
11:00	5	100	6.71	0.52	7.20	1.03	8.94	10.22	5.8	91.0	Clear	No Odor
11:05	5	100	6.71	0.65	7.21	1.03	7.06	10.12	5.6	85.1	Clear	No Odor
11:10	5	100	6.71	0.78	7.22	1.00	9.54	9.23	6.4	80.3	Clear	No Odor
11:15	5	100	6.72	0.91	7.22	0.99	1.45	9.28	6.9	74.4	Clear	No Odor
11:20	5	100	6.72	1.04	7.23	0.98	0.02	9.20	6.8	70.4	Clear	No Odor
11:25	5	100	6.72	1.17	7.23	0.98	0.02	9.37	6.6	67.8	Clear	No Odor
11:30	5	100	6.72	1.30	7.23	0.97	0.02	8.96	6.8	65.4	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	Soft gel grout covering above j-plug. One screw hole on well pad broke off.		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12001 Stark - side yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-168S		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	19.4 degrees F and The wind is blowing undefined at 0.0 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Gallons in Well	0.45	
Static Water Level (ft-bmp)	4.06	Total Depth (ft-bmp)	6.80	Water Column (ft.)	2.74	Sample Method	Grab	
		Pump Intake (ft-bmp)	5.56	Purge Method	Low-Flow			
		Well Volumes Purged	3.11					
Sample Time:	Label	15:10	Volume Purged	1.4 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	14:25						
	Purge End	15:14						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:30	0	150	4.11	0.00	7.48	0.78	5.22	3.42	5.9	33.3	Clear, Small Black Particulates	No Odor
14:35	5	150	4.11	0.20	7.34	0.82	0.02	2.86	6.0	20.3	Clear	No Odor
14:40	5	150	4.11	0.40	7.26	0.83	0.02	2.51	5.9	-2.6	Clear	No Odor
14:45	5	150	4.11	0.60	7.22	0.84	0.02	2.30	6.0	-6.4	Clear	No Odor
14:50	5	150	4.11	0.80	7.19	0.84	0.02	2.45	6.0	-8.5	Clear	No Odor
14:55	5	150	4.11	1.00	7.17	0.84	0.02	2.17	6.1	-7.5	Clear	No Odor
15:00	5	150	4.11	1.20	7.16	0.84	0.02	2.28	6.1	-6.4	Clear	No Odor
15:05	5	150	4.11	1.40	7.16	0.85	0.02	2.32	6.1	-5.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	Private property: 34480 Capital; front yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-169S				Date	2-9-21
Project Name/Location	Ford LTP		Weather		15.8 degrees F and . The wind is blowing N at 6.9 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	3.85	Total Depth (ft-bmp)	6.50	Water Column (ft.)	2.65	Gallons in Well	0.43	
		Pump Intake (ft-bmp)	5.35	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.79					
Sample Time:	Label	10:55	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	10:15						
	Purge End	10:59						

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	34450 Capitol, front yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-170S	Date	2-22-21			
Project Name/Location	Ford LTP			Weather	34.0 degrees F and Cloudy and Windy. The wind is blowing W/SW at 19.7 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	7.47	Total Depth (ft-bmp)	9.53	Water Column (ft.)	2.06			
		Pump Intake (ft-bmp)	8.97	Purge Method	Low-Flow			
		Well Volumes Purged	5.15					
Sample Time:	Label	13:56	Volume Purged	1.7 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	13:03						
	Purge End	14:21						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:05	0	125	7.48	0.00	7.28	2.69	40.10	0.83	8.3	-6.9	Clear, Turbid	No Odor
13:10	5	125	7.48	0.17	7.34	2.84	21.30	0.32	8.3	-44.4	Clear, Turbid	No Odor
13:15	5	125	7.48	0.34	7.35	2.96	11.00	0.23	8.2	-59.0	Clear	No Odor
13:20	5	125	7.48	0.51	7.35	3.03	6.50	0.22	8.1	-62.3	Clear	No Odor
13:25	5	125	7.48	0.68	7.35	3.11	4.87	0.19	8.1	-66.7	Clear	No Odor
13:30	5	125	7.48	0.85	7.34	3.18	5.31	0.19	8.1	-72.8	Clear	No Odor
13:35	5	125	7.48	1.02	7.36	3.20	4.82	0.21	7.7	-77.8	Clear	No Odor
13:40	5	125	7.48	1.19	7.36	3.30	3.96	0.16	8.1	-79.9	Clear	No Odor
13:45	5	125	7.48	1.36	7.39	3.40	1.85	0.15	8.1	-78.1	Clear	No Odor
13:50	5	125	7.48	1.53	7.40	3.44	4.95	0.15	8.0	-74.6	Clear	No Odor
13:55	5	125	7.48	1.70	7.41	3.45	1.57	0.18	8.1	-71.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	34991 Beacon	Well Locked at Arrival:	yes		
Condition of Well:	Good	Well Locked at Departure:	yes		
Well Completion:	Flush mount	Lock Functioning:	yes		



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-171S		Date	2-10-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F and		The wind is blowing SW at 3.5 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	4.08	Total Depth (ft-bmp)	6.41	Water Column (ft.)	2.33	Gallons in Well	0.38	
		Pump Intake (ft-bmp)	5.58	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	8.21					
Sample Time:	Label	13:35	Volume Purged	3.12 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	12:33						
	Purge End	13:38						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:35	0	200	4.10	0.00	7.88	0.98	148.00	0.70	5.2	-85.5	Orange, Small Orange Particulates,	No Odor
12:40	5	200	4.10	0.26	7.39	0.96	168.00	0.33	5.3	-85.7	Cloudy, Small Orange Particulates,	No Odor
12:45	5	200	4.10	0.52	7.25	0.96	85.00	0.15	5.4	-82.2	Cloudy, Small Orange Particulates,	No Odor
12:50	5	200	4.10	0.78	7.19	0.97	33.70	0.09	5.4	-80.6	Clear, Small Orange Particulates	No Odor
12:55	5	200	4.10	1.04	7.17	0.98	18.50	0.12	5.5	-80.4	Clear, Small Orange Particulates	No Odor
13:00	5	200	4.10	1.30	7.15	1.00	13.60	0.12	5.5	-81.1	Clear, Small Orange Particulates	No Odor
13:05	5	200	4.10	1.56	7.14	1.01	7.77	0.14	5.6	-81.7	Clear	No Odor
13:10	5	200	4.10	1.82	7.14	1.02	5.57	0.07	5.6	-82.2	Clear	No Odor
13:15	5	200	4.10	2.08	7.14	1.02	5.73	0.03	5.4	-82.1	Clear	No Odor
13:20	5	200	4.10	2.34	7.13	1.02	5.77	0.09	5.5	-81.2	Clear	No Odor
13:25	5	200	4.10	2.60	7.13	1.02	3.72	0.08	5.6	-81.0	Clear	No Odor
13:30	5	200	4.10	2.86	7.13	1.02	2.92	0.09	5.6	-81.1	Clear	No Odor
13:35	5	200	4.10	3.12	7.13	1.02	2.60	0.07	5.6	-80.7	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	Private property: 12101 Brewster; back yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-172S		Date	2-9-21	
Project Name/Location	Ford LTP		Weather	19.4 degrees F and . The wind is blowing N/NE at 6.9 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2	Gallons in Well	0.41	
Static Water Level (ft-bmp)	6.40	Total Depth (ft-bmp)	8.94	Water Column (ft.)	2.54	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.90	Purge Method	Low-Flow			
		Well Volumes Purged	3.66					
Sample Time:	Label	13:56	Volume Purged	1.5 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	13:03						
	Purge End	14:08						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:05	0	110	6.43	0.00	7.72	0.46	90.20	1.92	7.7	15.4	Brown, Turbid	No Odor
13:10	5	110	6.43	0.15	7.69	0.46	54.30	1.77	7.8	-30.7	Brown, Turbid	No Odor
13:15	5	110	6.43	0.30	7.73	0.45	24.10	1.64	7.7	-51.1	Clear	No Odor
13:20	5	110	6.43	0.45	7.77	0.44	23.30	1.68	7.8	-52.2	Clear	No Odor
13:25	5	110	6.43	0.60	7.79	0.44	9.82	1.64	7.8	-54.6	Clear	No Odor
13:30	5	110	6.43	0.75	7.80	0.44	9.00	1.66	7.7	-59.2	Clear	No Odor
13:35	5	110	6.43	0.90	7.80	0.44	8.65	1.65	7.7	-61.7	Clear	No Odor
13:40	5	110	6.43	1.05	7.80	0.44	13.10	1.66	7.7	-80.0	Clear	No Odor
13:45	5	110	6.43	1.20	7.81	0.43	10.00	1.60	7.7	-88.6	Clear	No Odor
13:50	5	110	6.43	1.35	7.81	0.43	9.95	1.62	7.5	-81.3	Clear	No Odor
13:55	5	110	6.43	1.50	7.81	0.43	9.57	1.68	7.6	-87.1	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments

Well was under 6 inches of snow after removing well cover had to chip out ice to open j- plug

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	11701 Boston Post	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-173S		Date	2-9-21	
Project Name/Location	Ford LTP		Weather	21.2 degrees F and . The wind is blowing undefined at 0.0 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5.5-10.5	Casing Diameter (in.)	2	Gallons in Well	0.55	
Static Water Level (ft-bmp)	6.85	Total Depth (ft-bmp)	10.25	Water Column (ft.)	3.40	Sample Method	Grab	
		Pump Intake (ft-bmp)	8.35	Purge Method	Low-Flow			
		Well Volumes Purged	2.91					
Sample Time:	Label	15:56	Volume Purged	1.6 gallons		Replicate/Code No.	--	
	Purge Start	15:03				Sampled by	Gary Schafer	
	Purge End	16:11						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
15:05	0	120	6.85	0.00	7.68	0.60	366.00	0.81	7.8	39.0	Brown, Cloudy	No Odor
15:10	5	120	6.85	0.16	7.65	0.62	110.00	1.08	7.8	13.1	Brown, Turbid	No Odor
15:15	5	120	6.90	0.32	7.69	0.62	49.00	1.50	7.7	-24.5	Brown, Turbid	No Odor
15:20	5	120	6.92	0.48	7.69	0.62	37.00	1.30	7.8	-34.4	Brown, Turbid	No Odor
15:25	5	120	6.93	0.64	7.69	0.63	29.90	1.26	7.9	-41.6	Brown, Turbid	No Odor
15:30	5	120	6.93	0.80	7.68	0.63	25.10	1.31	7.8	-45.3	Clear	No Odor
15:35	5	120	6.93	0.96	7.69	0.63	21.50	1.27	7.9	-46.6	Clear	No Odor
15:40	5	120	6.93	1.12	7.69	0.63	18.60	1.26	7.7	-46.3	Clear	No Odor
15:45	5	120	6.93	1.28	7.69	0.63	15.20	1.22	7.9	-45.1	Clear	No Odor
15:50	5	120	6.93	1.44	7.70	0.63	14.70	1.22	7.8	-44.1	Clear	No Odor
15:55	5	120	6.93	1.60	7.70	0.63	13.90	1.31	7.8	-43.6	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	11721 Boston Post	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-176S			Date	2-10-21
Project Name/Location	Ford LTP		Weather		19.4 degrees F and The wind is blowing S/SW at 4.6 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.14	Total Depth (ft-bmp)	9.30	Water Column (ft.)	2.16	Gallons in Well	0.35
		Pump Intake (ft-bmp)	8.64	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.37				
Sample Time:	Label	15:31	Volume Purged	1.18 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:57					Gary Schafer
	Purge End	15:45					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments

Under 4 inches of snow

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	11845 Boston Post	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-177S		Date	2-11-21	
Project Name/Location	Ford LTP		Weather	14.0 degrees F and . The wind is blowing N at 11.5 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4-9	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.42	Total Depth (ft-bmp)	8.20	Water Column (ft.)	1.78	Gallons in Well	0.29	
		Pump Intake (ft-bmp)	7.92	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	4.83					
Sample Time:	Label	11:01	Volume Purged	1.4 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	10:23						
	Purge End	11:11						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:25	0	150	6.68	0.00	7.47	0.74	22.10	4.61	7.7	64.3	Turbid	No Odor
10:30	5	150	6.68	0.20	7.47	0.72	20.40	3.76	7.7	58.9	Clear	No Odor
10:35	5	150	6.68	0.40	7.43	0.72	13.20	2.74	7.5	53.7	Clear	No Odor
10:40	5	150	6.68	0.60	7.39	0.72	7.63	1.82	7.6	45.2	Clear	No Odor
10:45	5	150	6.68	0.80	7.38	0.71	5.20	1.92	7.5	39.2	Clear	No Odor
10:50	5	150	6.68	1.00	7.38	0.71	3.96	1.70	7.5	33.2	Clear	No Odor
10:55	5	150	6.68	1.20	7.36	0.71	3.32	1.76	7.3	29.3	Clear	No Odor
11:00	5	150	6.68	1.40	7.36	0.71	2.71	1.72	7.4	26.7	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	There was 3 inches of ice cover j-plug and casing, chipped away ice to open j-plug		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	11866 Boston Post	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-178S			Date	2-17-21
Project Name/Location	Ford LTP		Weather	12.9 degrees F and Mostly Cloudy. The wind is blowing S/SW at 3.4 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	6.50	Total Depth (ft-bmp)	8.83	Water Column (ft.)	2.33	Gallons in Well	0.38
		Pump Intake (ft-bmp)	8.00	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	4.92				
Sample Time:	Label	13:36	Volume Purged	1.87 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:38					Gary Schafer
	Purge End	13:58					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information	
Well Location:	Well Locked at Arrival:
11850 Boston Post	yes
Condition of Well:	Well Locked at Departure:
Good	yes
Well Completion:	Lock Functioning:
Flush mount	yes

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-179S			Date	2-23-21
Project Name/Location	Ford LTP		Weather		39.0 degrees F and Cloudy.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-11	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.76	Total Depth (ft-bmp)	10.88	Water Column (ft.)	2.12	Gallons in Well	0.34
		Pump Intake (ft-bmp)	10.26	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	4.06				
Sample Time:	Label	12:00	Volume Purged	1.38 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:24					Allyson Hartz
	Purge End	12:02					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	34870 Wadsworth, side yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-180SR			Date	2-23-21
Project Name/Location	Ford LTP		Weather		39.9 degrees F and Partly Cloudy. The wind is blowing W/NW at 17.2 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6.5-11.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.64	Total Depth (ft-bmp)	11.01	Water Column (ft.)	2.37	Gallons in Well	0.39
		Pump Intake (ft-bmp)	10.14	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.54				
Sample Time:	Label	13:07	Volume Purged	1.38 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:33					Allyson Hartz
	Purge End	13:10					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	34891 Wadsworth, side yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-181S		Date	2-25-21	
Project Name/Location	Ford LTP		Weather	24.1 degrees F and Clear. The wind is blowing W/NW at 4.7 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3.5-8.5	Casing Diameter (in.)	2	Gallons in Well	0.24	
Static Water Level (ft-bmp)	7.06	Total Depth (ft-bmp)	8.51	Water Column (ft.)	1.45	Sample Method	Grab	
		Pump Intake (ft-bmp)	8.00	Purge Method	Low-Flow			
		Well Volumes Purged	6.50					
Sample Time:	Label	10:24	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	9:18						
	Purge End	10:28						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:20	0	100	7.08	0.00	7.36	2.86	43.70	5.96	7.7	-10.5	Clear, Small Orange Particulates	No Odor
9:25	5	100	7.08	0.13	7.10	2.75	12.40	4.68	7.4	-64.1	Clear, Small Orange Particulates	No Odor
9:30	5	100	7.08	0.26	7.17	2.71	4.28	4.12	7.4	-73.2	Clear	No Odor
9:35	5	100	7.08	0.39	7.21	2.68	0.02	3.67	7.4	-79.4	Clear	No Odor
9:40	5	100	7.08	0.52	7.23	2.65	0.02	3.36	7.3	-79.7	Clear	No Odor
9:45	5	100	7.07	0.65	7.24	2.67	0.02	3.33	6.8	-79.0	Clear	No Odor
9:50	5	100	7.08	0.78	7.26	2.64	0.02	2.92	7.4	-79.5	Clear	No Odor
9:55	5	100	7.08	0.91	7.29	2.66	0.02	2.71	7.4	-73.0	Clear	No Odor
10:00	5	100	7.08	1.04	7.30	2.66	0.02	2.54	7.4	-63.7	Clear	No Odor
10:05	5	100	7.08	1.17	7.31	2.66	0.02	2.48	7.3	-58.8	Clear	No Odor
10:10	5	100	7.08	1.30	7.33	2.66	0.02	2.15	7.5	-54.9	Clear	No Odor
10:15	5	100	7.08	1.43	7.33	2.65	0.02	2.00	7.5	-50.6	Clear	No Odor
10:20	5	100	7.08	1.56	7.33	2.66	0.02	1.99	7.4	-43.8	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	34990 Wadsworth; side yard	Well Locked at Arrival:	no	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-182S		Date	2-23-21		
Project Name/Location	Ford LTP		Weather	37.0 degrees F and Cloudy. The wind is blowing W at 13.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4-9	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.71	Total Depth (ft-bmp)	8.78	Water Column (ft.)	2.07	Gallons in Well	0.34	
		Pump Intake (ft-bmp)	8.21	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	4.74					
Sample Time:	Label	9:32	Volume Purged	1.61 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	8:49						
	Purge End	9:35						

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
				6" = 1.47

Well Information

Well Location:	34766 Standish, side yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-183S		Date	2-23-21	
Project Name/Location	Ford LTP		Weather	39.9 degrees F and Partly Cloudy. The wind is blowing W/NW at 17.2 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	9.81	Total Depth (ft-bmp)	12.70	Water Column (ft.)	2.89	Gallons in Well	0.47	
		Pump Intake (ft-bmp)	11.31	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	3.32					
Sample Time:	Label	13:40	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	12:36					Emma Witherspoon	
	Purge End	13:43						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:40	0	100	9.85	0.00	7.52	0.44	157.00	5.30	9.5	-6.8	Cloudy	No Odor
12:45	5	100	9.85	0.13	7.48	0.44	128.00	5.11	9.7	-5.0	Cloudy	No Odor
12:50	5	100	9.85	0.26	7.47	0.44	115.00	4.97	9.7	7.6	Cloudy	No Odor
12:55	5	100	9.85	0.39	7.47	0.44	55.80	4.69	9.8	16.1	Cloudy	No Odor
13:00	5	100	9.85	0.52	7.47	0.44	46.10	4.20	9.6	24.6	Clear	No Odor
13:05	5	100	9.85	0.65	7.47	0.44	26.90	4.34	9.7	30.6	Clear	No Odor
13:10	5	100	9.85	0.78	7.48	0.43	20.20	3.91	9.7	36.5	Clear	No Odor
13:15	5	100	9.85	0.91	7.47	0.43	10.90	3.85	9.8	41.3	Clear	No Odor
13:20	5	100	9.85	1.04	7.47	0.43	7.16	3.64	9.8	43.9	Clear	No Odor
13:25	5	100	9.85	1.17	7.47	0.43	105.00	3.49	9.8	46.1	Cloudy	No Odor
13:30	5	100	9.85	1.30	7.46	0.43	94.20	3.52	9.7	22.7	Cloudy	No Odor
13:35	5	100	9.85	1.43	7.47	0.42	70.90	3.49	9.8	23.9	Clear	No Odor
13:40	5	100	9.85	1.56	7.46	0.42	45.60	3.50	9.9	31.2	Cloudy	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	34934 Standish; front yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-184S		Date	2-11-21	
Project Name/Location	Ford LTP		Weather	17.6 degrees F and . The wind is blowing N at 6.9 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2	Gallons in Well	0.06	
Static Water Level (ft-bmp)	7.17	Total Depth (ft-bmp)	7.55	Water Column (ft.)	0.38	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.35	Purge Method	Low-Flow			
		Well Volumes Purged	17.33					
Sample Time:	Label	13:06	Volume Purged	1.04 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	12:22						
	Purge End	13:30						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:25	0	100	7.20	0.00	7.38	0.40	2.74	0.76	8.3	-58.1	Clear	No Odor
12:30	5	100	7.20	0.13	7.42	0.50	0.65	0.50	8.3	-68.5	Clear	No Odor
12:35	5	100	7.20	0.26	7.49	0.57	0.51	0.33	8.4	-73.3	Clear	No Odor
12:40	5	100	7.20	0.39	7.51	0.59	0.34	0.33	8.4	-78.9	Clear	No Odor
12:45	5	100	7.20	0.52	7.52	0.61	0.32	0.33	8.3	-83.6	Clear	No Odor
12:50	5	100	7.20	0.65	7.52	0.63	0.20	0.32	8.4	-88.4	Clear	No Odor
12:55	5	100	7.20	0.78	7.52	0.65	0.39	0.32	8.3	-92.3	Clear	No Odor
13:00	5	100	7.20	0.91	7.53	0.65	0.36	0.33	8.4	-96.2	Clear	No Odor
13:05	5	100	7.20	1.04	7.53	0.66	0.35	0.30	8.5	-99.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	Well was under 5 inches of snow		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	11981 Boston Post	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-185S			Date	2-18-21
Project Name/Location	Ford LTP		Weather		18.0 degrees F and Light Snow. The wind is blowing N/NE at 8.1 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-11	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.75	Total Depth (ft-bmp)	10.55	Water Column (ft.)	1.80	Gallons in Well	0.29
		Pump Intake (ft-bmp)	10.25	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	6.45				
Sample Time:	Label	11:21	Volume Purged	1.87 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:23					Gary Schafer
	Purge End	11:39					<i>[Signature]</i>

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	34921 Beacon	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-186S			Date	2-23-21
Project Name/Location	Ford LTP		Weather	39.0 degrees F and Cloudy. The wind is blowing W at 18.3 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	4.62	Total Depth (ft-bmp)	7.72	Water Column (ft.)	3.10	Gallons in Well	0.50
		Pump Intake (ft-bmp)	6.12	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.56				
Sample Time:	Label	10:15	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:36					Emma Witherspoon
	Purge End	10:19					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	12321 Stark; back yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-187		Date	2-22-21	
Project Name/Location	Ford LTP		Weather	36.0 degrees F and Light Rain. The wind is blowing W/SW at 18.3 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.30	Total Depth (ft-bmp)	12.75	Water Column (ft.)	6.45	Gallons in Well	1.05	
		Pump Intake (ft-bmp)	10.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.49					
Sample Time:	Label	11:00	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	9:58					Emma Witherspoon	
	Purge End	11:05						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:00	0	100	6.35	0.00	6.49	0.93	241.00	1.12	7.7	-33.4	Cloudy, Small Orange Particulates,	No Odor
10:05	5	100	6.32	0.13	6.52	0.93	132.00	0.54	7.7	-41.6	Cloudy, Small Orange Particulates,	No Odor
10:10	5	100	6.32	0.26	6.57	0.92	64.70	0.33	7.4	-44.8	Cloudy, Small Orange Particulates	No Odor
10:15	5	100	6.32	0.39	6.61	0.93	49.70	0.30	7.4	-48.6	Cloudy, Small Orange Particulates	No Odor
10:20	5	100	6.32	0.52	6.63	0.93	36.80	0.31	7.4	-48.8	Cloudy, Small Orange Particulates	No Odor
10:25	5	100	6.32	0.65	6.64	0.93	29.60	0.30	7.2	-48.7	Cloudy, Small Orange Particulates	No Odor
10:30	5	100	6.32	0.78	6.65	0.93	27.30	0.27	7.3	-50.7	Cloudy, Small Orange Particulates	No Odor
10:35	5	100	6.32	0.91	6.67	0.93	25.00	0.26	7.3	-51.1	Clear, Small Orange Particulates	No Odor
10:40	5	100	6.32	1.04	6.68	0.93	19.50	0.23	7.3	-52.1	Clear, Small Orange Particulates	No Odor
10:45	5	100	6.32	1.17	6.68	0.93	20.90	0.26	7.1	-51.6	Clear	No Odor
10:50	5	100	6.32	1.30	6.69	0.93	19.60	0.25	7.2	52.4	Clear, Small Orange Particulates	No Odor
10:55	5	100	6.32	1.43	6.69	0.93	17.10	0.22	7.2	-51.4	Clear, Small Orange Particulates	No Odor
11:00	5	100	6.32	1.56	6.69	0.93	14.80	0.76	7.1	-51.2	Clear, Small Orange Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	One thread tab broken with bent in bolt; Other two threads are functional with bolts		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12335 Stark	Well Locked at Arrival:	yes	
Condition of Well:	Broken thread tabs,Fair	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-187S			Date	2-22-21
Project Name/Location	Ford LTP		Weather	35.1 degrees F and Cloudy and Windy. The wind is blowing W/SW at 21.9 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	6.40	Total Depth (ft-bmp)	8.73	Water Column (ft.)	1.43	Gallons in Well	0.23
		Pump Intake (ft-bmp)	7.90	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.96				
Sample Time:	Label	13:00	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:16					Emma Witherspoon
	Purge End	13:04					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments

Well lid missing

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	12335 Stark	Well Locked at Arrival:	yes
Condition of Well:	Broken thread tabs,Casing broken,Poor	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-188S		Date	2-22-21	
Project Name/Location	Ford LTP		Weather	34.0 degrees F and Cloudy.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2	Gallons in Well	0.25	
Static Water Level (ft-bmp)	5.96	Total Depth (ft-bmp)	7.48	Water Column (ft.)	1.52	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.46	Purge Method	Low-Flow			
		Well Volumes Purged	6.12					
Sample Time:	Label	15:15	Volume Purged	1.53 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	14:22						
	Purge End	15:18						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:25	0	125	6.01	0.00	6.70	0.79	0.66	3.92	6.5	-66.7	Clear	No Odor
14:30	5	125	6.00	0.17	6.69	0.79	0.83	3.48	6.4	-67.5	Clear	No Odor
14:35	5	125	6.00	0.34	6.69	0.78	0.62	3.39	6.5	-67.8	Clear	No Odor
14:40	5	125	6.00	0.51	6.70	0.77	0.02	3.12	6.5	-67.4	Clear	No Odor
14:45	5	125	6.00	0.68	6.70	0.78	0.02	3.54	6.4	-67.3	Clear	No Odor
14:50	5	125	6.00	0.85	6.70	0.76	0.02	2.79	6.5	-66.7	Clear	No Odor
14:55	5	125	6.00	1.02	6.71	0.76	0.02	3.47	6.5	-65.5	Clear	No Odor
15:00	5	125	6.00	1.19	6.70	0.76	0.02	3.48	6.6	-65.3	Clear	No Odor
15:05	5	125	6.00	1.36	6.70	0.76	0.02	3.26	6.7	-64.6	Clear	No Odor
15:10	5	125	6.00	1.53	6.70	0.75	0.02	3.26	6.6	-64.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	2 broken bolts stuck in their threads, 1 functional bolt New lock added to J plug		

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	
Well Information					
Well Location:	12425 Stark	Well Locked at Arrival:	yes		
Condition of Well:	Broken thread tabs,Fair	Well Locked at Departure:	yes		
Well Completion:	Flush mount	Lock Functioning:	yes		



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-189		Date	2-17-21	
Project Name/Location	Ford LTP		Weather	21.0 degrees F and Cloudy. The wind is blowing undefined at 0.0 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	10-15	Casing Diameter (in.)	2	Gallons in Well	1.19	
Static Water Level (ft-bmp)	6.62	Total Depth (ft-bmp)	13.95	Water Column (ft.)	7.33	Sample Method	Grab	
		Pump Intake (ft-bmp)	12.50	Purge Method	Low-Flow			
		Well Volumes Purged	2.02					
Sample Time:	Label	14:45	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	13:43						
	Purge End	14:49						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
13:45	0	150	6.69	0.00	7.11	0.76	375.00	2.33	6.4	4.7	Cloudy, Yellow	No Odor
13:50	5	150	6.69	0.20	7.05	0.76	333.00	2.35	6.2	-11.5	Cloudy, Yellow	No Odor
13:55	5	150	6.69	0.40	7.02	0.76	133.00	1.63	6.1	-21.1	Cloudy, Small Orange Particulates,	No Odor
14:00	5	150	6.69	0.60	7.01	0.77	111.00	1.39	6.1	-25.0	Cloudy, Yellow	No Odor
14:05	5	150	6.69	0.80	7.01	0.78	87.50	1.26	6.1	-29.5	Cloudy, Yellow	No Odor
14:10	5	150	6.69	1.00	7.01	0.78	88.20	1.09	6.2	-32.3	Cloudy, Yellow	No Odor
14:15	5	150	6.69	1.20	7.01	0.79	78.60	0.94	6.3	-37.1	Cloudy, Yellow	No Odor
14:20	5	150	6.69	1.40	7.01	0.80	63.60	1.08	6.2	-40.5	Cloudy, Yellow	No Odor
14:25	5	150	6.69	1.60	7.02	0.83	57.60	0.88	6.4	-44.3	Cloudy, Yellow	No Odor
14:30	5	150	6.69	1.80	7.02	0.85	52.00	0.81	6.7	-47.5	Cloudy, Yellow	No Odor
14:35	5	150	6.69	2.00	7.02	0.85	47.20	0.69	6.7	-49.9	Cloudy, Yellow	No Odor
14:40	5	150	6.69	2.20	7.03	0.86	41.00	0.73	6.9	-52.5	Cloudy, Yellow	No Odor
14:45	5	150	6.69	2.40	7.03	0.87	37.90	0.84	6.4	-54.6	Cloudy, Yellow	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12641 Stark; back yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-189S			Date	2-17-21
Project Name/Location	Ford LTP		Weather	21.0 degrees F and Cloudy. The wind is blowing undefined at 0.0 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	6.77	Total Depth (ft-bmp)	9.06	Water Column (ft.)	2.29	Gallons in Well	0.37
		Pump Intake (ft-bmp)	8.27	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.22				
Sample Time:	Label	15:50	Volume Purged	1.19 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	15:06					Emma Witherspoon
	Purge End	15:53					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	12641 Stark; back yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-190		Date	2-23-21	
Project Name/Location	Ford LTP		Weather	39.9 degrees F and Partly Cloudy. The wind is blowing W/NW at 17.2 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-14	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	4.79	Total Depth (ft-bmp)	13.30	Water Column (ft.)	8.51	Gallons in Well	1.38	
		Pump Intake (ft-bmp)	11.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.39					
Sample Time:	Label	13:56	Volume Purged	1.92 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	12:53					Gary Schafer	
	Purge End	14:12						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
12:55	0	120	4.80	0.00	7.39	2.28	111.00	0.60	8.9	-3.4	Cloudy	No Odor
13:00	5	120	4.80	0.16	7.41	2.30	105.00	0.44	8.9	-33.6	Cloudy	No Odor
13:05	5	120	4.80	0.32	7.41	2.33	96.90	0.26	8.9	-58.9	Cloudy	No Odor
13:10	5	120	4.80	0.48	7.41	2.31	82.30	0.16	8.8	-70.4	Cloudy	No Odor
13:15	5	120	4.82	0.64	7.41	2.32	73.40	0.14	8.9	-76.4	Cloudy	No Odor
13:20	5	120	4.82	0.80	7.41	2.30	62.50	0.18	8.9	-80.4	Cloudy	No Odor
13:25	5	120	4.82	0.96	7.40	2.31	56.80	0.16	8.9	-82.9	Cloudy	No Odor
13:30	5	120	4.82	1.12	7.40	2.34	51.00	0.14	8.9	-85.2	Cloudy	No Odor
13:35	5	120	4.82	1.28	7.40	2.29	48.00	0.15	8.8	-86.2	Cloudy	No Odor
13:40	5	120	4.82	1.44	7.40	2.33	48.10	0.16	8.9	-87.6	Cloudy	No Odor
13:45	5	120	4.82	1.60	7.40	2.30	38.00	0.13	8.9	-88.8	Cloudy	No Odor
13:50	5	120	4.82	1.76	7.40	2.33	39.40	0.14	8.9	-89.0	Cloudy	No Odor
13:55	5	120	4.82	1.92	7.39	2.32	29.70	0.13	8.9	-89.6	Cloudy	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments

About 1 inch of ice around casing, chipped out ice before removing j-plug

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	12725 Fairlane	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-190S		Date	2-23-21	
Project Name/Location	Ford LTP		Weather	39.9 degrees F and Mostly Cloudy. The wind is blowing W/NW at 12.8 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2	Gallons in Well	0.32	
Static Water Level (ft-bmp)	4.83	Total Depth (ft-bmp)	6.83	Water Column (ft.)	2.00	Sample Method	Grab	
		Pump Intake (ft-bmp)	6.33	Purge Method	Low-Flow			
		Well Volumes Purged	3.50					
Sample Time:	Label	12:26	Volume Purged	1.12 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	11:48						
	Purge End	12:31						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
11:50	0	120	4.83	0.00	7.32	0.83	9.15	0.15	6.2	2.4	Clear, Small White Particulates	No Odor
11:55	5	120	4.83	0.16	7.33	0.83	2.11	0.16	6.2	-3.0	Clear, Small White Particulates	No Odor
12:00	5	120	4.83	0.32	7.33	0.83	23.90	0.28	6.3	-6.8	Clear, Small White Particulates	No Odor
12:05	5	120	4.83	0.48	7.34	0.83	10.20	0.15	6.3	-9.8	Clear, Small White Particulates	No Odor
12:10	5	120	4.83	0.64	7.34	0.83	5.62	0.16	6.4	-14.0	Clear, Small White Particulates	No Odor
12:15	5	120	4.83	0.80	7.34	0.83	1.18	0.14	6.3	-17.8	Clear, Small White Particulates	No Odor
12:20	5	120	4.83	0.96	7.34	0.83	0.91	0.14	6.3	-22.6	Clear, Small White Particulates	No Odor
12:25	5	120	4.83	1.12	7.35	0.83	0.98	0.13	6.4	-24.1	Clear, Small White Particulates	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments Chipped out 3 inches of ice to access j-plug. Surface runoff entered well vault during purging. Bailed out water as needed to avoid it entering the well casing.

Well Casing Volumes	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information				
Well Location:	12725 Fairlane	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-191S			Date	2-22-21
Project Name/Location	Ford LTP		Weather		34.0 degrees F and Cloudy. The wind is blowing W at 17.2 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	4.62	Total Depth (ft-bmp)	6.79	Water Column (ft.)	2.17	Gallons in Well	0.35
		Pump Intake (ft-bmp)	6.12	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	2.60				
Sample Time:	Label	16:30	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	15:48					Emma Witherspoon
	Purge End	16:33					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments

Two broken bolts stuck in their threads: one functional bolt

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	35015 Glendale	Well Locked at Arrival:	yes
Condition of Well:	Broken thread tabs,Fair	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-193S	Date	2-26-21			
Project Name/Location	Ford LTP			Weather	32.0 degrees F and Mostly Cloudy. The wind is blowing S at 12.8 mph.			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	4.80	Total Depth (ft-bmp)	7.33	Water Column (ft.)	2.53			
		Pump Intake (ft-bmp)	6.30	Gallons in Well	0.41			
		Well Volumes Purged	4.98	Purge Method	Low-Flow			
Sample Time:	Label	11:46	Volume Purged	2.04 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	10:43						
	Purge End	11:56						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
10:45	0	125	4.91	0.00	6.87	1.02	22.60	1.13	7.8	133.5	Small Brown Particulates, Turbid	Strong Odor
10:50	5	125	4.96	0.17	6.94	1.02	20.30	0.87	7.7	106.5	Small White Particulates, Turbid	Strong Odor
10:55	5	125	4.98	0.34	6.97	1.00	12.40	0.68	7.9	83.9	Clear, Small White Particulates	No Odor
11:00	5	125	4.98	0.51	7.00	0.98	12.30	0.49	7.8	70.1	Clear, Small White Particulates	Strong Odor
11:05	5	125	4.98	0.68	7.02	0.96	7.98	0.49	7.7	65.7	Clear, Small White Particulates	Strong Odor
11:10	5	125	4.98	0.85	7.04	0.95	6.63	0.45	7.7	66.6	Clear	Strong Odor
11:15	5	125	4.98	1.02	7.06	0.94	6.80	0.42	7.6	98.7	Clear	Strong Odor
11:20	5	125	4.98	1.19	7.08	0.90	3.84	0.66	7.3	45.4	Clear	No Odor
11:25	5	125	4.98	1.36	7.09	0.89	3.11	0.54	7.5	40.9	Clear	Strong Odor
11:30	5	125	4.98	1.53	7.09	0.89	2.30	0.50	7.7	38.1	Clear	Strong Odor
11:35	5	125	4.98	1.70	7.10	0.89	3.99	0.37	7.7	33.0	Clear	Strong Odor
11:40	5	125	4.98	1.87	7.09.00	0.90	2.60	0.41	7.8	21.3	Clear	No Odor
11:45	5	125	4.98	2.04	7.10	0.89	2.28	0.42	7.8	11.4	Clear	Strong Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	34940 Beacon	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-207S			Date	2-22-21
Project Name/Location	Ford LTP		Weather			35.1 degrees F and Cloudy and Windy. The wind is blowing W/SW at 21.9 mph.	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.41	Total Depth (ft-bmp)	8.81	Water Column (ft.)	0.40	Gallons in Well	0.06
		Pump Intake (ft-bmp)	8.61	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	20.00				
Sample Time:	Label	11:55	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:19					Allyson Hartz
	Purge End	11:59					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	12125 Stark, front yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-214S		Date	2-9-21	
Project Name/Location	Ford LTP		Weather	12.9 degrees F and Mostly Cloudy. The wind is blowing N at 8.1 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5.5-10.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	8.43	Total Depth (ft-bmp)	10.89	Water Column (ft.)	2.46	Gallons in Well	0.40	
		Pump Intake (ft-bmp)	9.93	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	7.35					
Sample Time:	Label	10:45	Volume Purged	2.94 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	9:37					Allyson Hartz	
	Purge End	10:48						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
9:40	0	200	8.46	0.00	6.89	3.10	40.00	0.63	8.5	145.6	Clear	No Odor
9:45	5	200	8.46	0.26	7.12	3.11	81.20	0.25	8.9	38.5	Clear, Small Orange Particulates	No Odor
9:50	5	200	8.46	0.52	7.14	3.11	54.80	0.21	9.3	8.8	Clear, Small Orange Particulates	No Odor
9:55	5	200	8.46	0.78	7.15	3.13	40.00	0.17	9.5	-7.9	Clear, Small White Particulates	No Odor
10:00	5	200	8.46	1.04	7.16	3.13	37.50	0.20	9.8	-19.1	Clear, Small White Particulates	No Odor
10:05	5	200	8.46	1.30	7.16	3.15	22.80	0.14	9.5	-26.3	Clear, Small White Particulates	No Odor
10:10	5	200	8.46	1.56	7.16	3.16	10.60	0.14	9.5	-32.4	Clear, Small White Particulates	No Odor
10:15	5	200	8.46	1.82	7.16	3.16	3.28	0.12	9.7	-35.5	Clear, Small White Particulates	No Odor
10:20	5	200	8.46	2.08	7.16	3.16	4.41	0.10	9.9	-38.1	Clear, Small White Particulates	No Odor
10:25	5	150	8.46	2.34	7.17	3.18	2.60	0.10	8.5	-39.4	Clear, Small White Particulates	No Odor
10:30	5	150	8.46	2.54	7.17	3.19	0.02	0.13	8.2	-39.4	Clear	No Odor
10:35	5	150	8.46	2.74	7.17	3.18	1.44	0.13	8.2	-38.8	Clear	No Odor
10:40	5	150	8.46	2.94	7.17	3.18	0.58	0.21	8.3	-39.0	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	12400 Belden	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-215S		Date	2-19-21	
Project Name/Location	Ford LTP		Weather	24.1 degrees F and Cloudy. The wind is blowing W/NW at 6.9 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	6.68	Total Depth (ft-bmp)	7.62	Water Column (ft.)	0.94	Gallons in Well	0.15	
		Pump Intake (ft-bmp)	7.15	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	12.00					
Sample Time:	Label	15:00	Volume Purged	1.8 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	14:11					Emma Witherspoon	
	Purge End	15:05						



Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:15	0	150	6.72	0.00	7.98	0.25	110.00	11.08	5.3	28.7	Cloudy	No Odor
14:20	5	150	6.72	0.20	7.95	0.25	31.20	8.59	5.4	30.4	Clear	No Odor
14:25	5	150	6.72	0.40	7.96	0.25	20.80	8.49	5.5	30.3	Clear	No Odor
14:30	5	150	7.62	0.60	8.00	0.25	11.10	8.36	5.7	30.6	Clear	No Odor
14:35	5	150	7.62	0.80	8.02	0.25	7.18	8.25	5.6	31.5	Clear	No Odor
14:40	5	150	7.62	1.00	8.01	0.25	5.79	8.09	5.8	33.0	Clear	No Odor
14:45	5	150	7.62	1.20	8.01	0.25	5.67	8.23	5.8	35.2	Clear	No Odor
14:50	5	150	7.62	1.40	8.02	0.25	3.59	8.27	5.8	36.6	Clear	No Odor
14:55	5	150	7.62	1.60	8.02	0.25	3.25	8.20	5.8	37.8	Clear	No Odor
15:00	5	150	7.62	1.80	8.01	0.25	3.15	8.04	5.8	38.9	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	Added lock		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
1.25" = 0.06				
Well Information				
Well Location:	35000 Plymouth; back yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-216S		Date	2-25-21	
Project Name/Location	Ford LTP		Weather	41.0 degrees F and Partly Cloudy. The wind is blowing W at 10.3 mph.		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-11	Casing Diameter (in.)	2	Gallons in Well	0.22	
Static Water Level (ft-bmp)	9.04	Total Depth (ft-bmp)	10.42	Water Column (ft.)	1.38	Sample Method	Grab	
		Pump Intake (ft-bmp)	10.20	Purge Method	Low-Flow			
		Well Volumes Purged	5.32					
Sample Time:	Label	15:42	Volume Purged	1.17 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	14:53						
	Purge End	15:45						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:55	0	100	9.10	0.00	7.83	0.34	3.91	3.26	8.2	44.8	Clear, Small White Particulates	No Odor
15:00	5	100	9.10	0.13	7.55	0.34	3.22	0.55	8.2	43.5	Clear, Small White Particulates	No Odor
15:05	5	100	9.11	0.26	7.51	0.33	0.02	0.40	8.2	13.4	Clear	No Odor
15:10	5	100	9.11	0.39	7.59	0.33	0.02	0.31	8.2	-11.2	Clear	No Odor
15:15	5	100	9.11	0.52	7.61	0.34	0.02	0.30	8.3	-25.2	Clear	No Odor
15:20	5	100	9.11	0.65	7.62	0.34	0.02	0.25	8.3	-36.5	Clear	No Odor
15:25	5	100	9.11	0.78	7.62	0.34	0.02	0.21	8.2	-45.8	Clear	No Odor
15:30	5	100	9.11	0.91	7.63	0.34	0.02	0.26	8.3	-51.3	Clear	No Odor
15:35	5	100	9.11	1.04	7.63	0.34	0.02	0.22	8.4	-56.2	Clear	No Odor
15:40	5	100	9.11	1.17	7.63	0.34	0.02	0.23	8.3	-59.5	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/Foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	34851 Wadsworth; backyard	Well Locked at Arrival:	no	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-217S			Date	2-26-21
Project Name/Location	Ford LTP		Weather		30.0 degrees F and Mostly Clear. The wind is blowing SE at 8.1 mph.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-11	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.32	Total Depth (ft-bmp)	10.22	Water Column (ft.)	1.90	Gallons in Well	0.31
		Pump Intake (ft-bmp)	9.82	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	2.52				
Sample Time:	Label	10:53	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:18					Kara Donahue
	Purge End	10:56					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	No lock.		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	34935 Wadsworth backyard	Well Locked at Arrival:	no
Condition of Well:	Good	Well Locked at Departure:	no
Well Completion:	Flush mount	Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-223S		Date	2-15-21	
Project Name/Location	Ford LTP		Weather	15.8 degrees F and . The wind is blowing N at 11.5 mph.				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8.5-13.5	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	11.94	Total Depth (ft-bmp)	13.23	Water Column (ft.)	1.29	Gallons in Well	0.21	
		Pump Intake (ft-bmp)	13.00	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	5.57					
Sample Time:	Label	15:08	Volume Purged	1.17 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	14:15						
	Purge End	15:11						

Time	Minutes Elapsed between Readings	Flow Rate (mL/min) [100-300 mL/min]	Depth to Water (ft) [± 0.3]	Total Gallons Purged	pH [± 0.1]	Cond. (mS/cm) [± 3%]	Turbidity (NTU) [± 10%*]	DO (mg/L) [± 10%]	Temp. (°C) [± 3%]	Redox (mV) [± 10mV]	Appearance	
											Color	Odor
14:20	0	100	12.09	0.00	7.38	2.56	637.00	2.25	9.4	5.0	Cloudy, Orange	No Odor
14:25	5	100	12.14	0.13	7.36	2.74	346.00	1.74	9.7	-1.0	Cloudy, Orange	No Odor
14:30	5	100	12.15	0.26	7.35	2.59	359.00	1.26	9.6	-12.8	Cloudy, Orange	No Odor
14:35	5	100	12.15	0.39	7.35	2.45	34.00	0.80	10.0	-23.9	Clear	No Odor
14:40	5	100	12.15	0.52	7.35	2.41	7.61	0.76	9.6	-27.4	Clear	No Odor
14:45	5	100	12.13	0.65	7.34	2.35	6.57	0.69	9.7	-32.1	Clear	No Odor
14:50	5	100	12.13	0.78	7.34	2.28	0.81	0.56	9.7	-36.4	Clear	No Odor
14:55	5	100	12.13	0.91	7.33	2.26	0.42	0.58	9.6	-40.4	Clear	No Odor
15:00	5	100	12.14	1.04	7.33	2.20	0.38	0.53	9.7	-43.5	Clear	No Odor
15:05	5	100	12.14	1.17	7.33	2.20	1.26	0.56	9.7	-44.2	Clear	No Odor
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* Turbidity < 50 NTU and ±10% or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
Gallons/foot	1" = 0.04	2" = 0.16	3" = 0.37	4" = 0.65
Well Information				
Well Location:	35000 Plymouth; front	Well Locked at Arrival:	n/a	
Condition of Well:	Fair	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-225S			Date	2-23-21
Project Name/Location	Ford LTP		Weather		39.0 degrees F and Cloudy.		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5.5-10.5	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	8.03	Total Depth (ft-bmp)	9.55	Water Column (ft.)	1.52	Gallons in Well	0.25
		Pump Intake (ft-bmp)	9.03	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	8.28				
Sample Time:	Label	10:40	Volume Purged	2.07 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:49					Allyson Hartz
	Purge End	10:42					

[illegible]

* Turbidity < 50 NTU and $\pm 10\%$ or within 1 NTU of a previous reading when <10 NTU

Constituents Sampled	Container	Number	Preservative
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:	34800 Standish, front yard	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush mount	Lock Functioning:	yes

APPENDIX D

Transducer Data



● ESD-1 Vault ● ESD-1 Pump ● MW-18 ● MW-50 ● MW-62 ● PZ-01 ● PZ-08 ● PZ-14 ● PZ-15

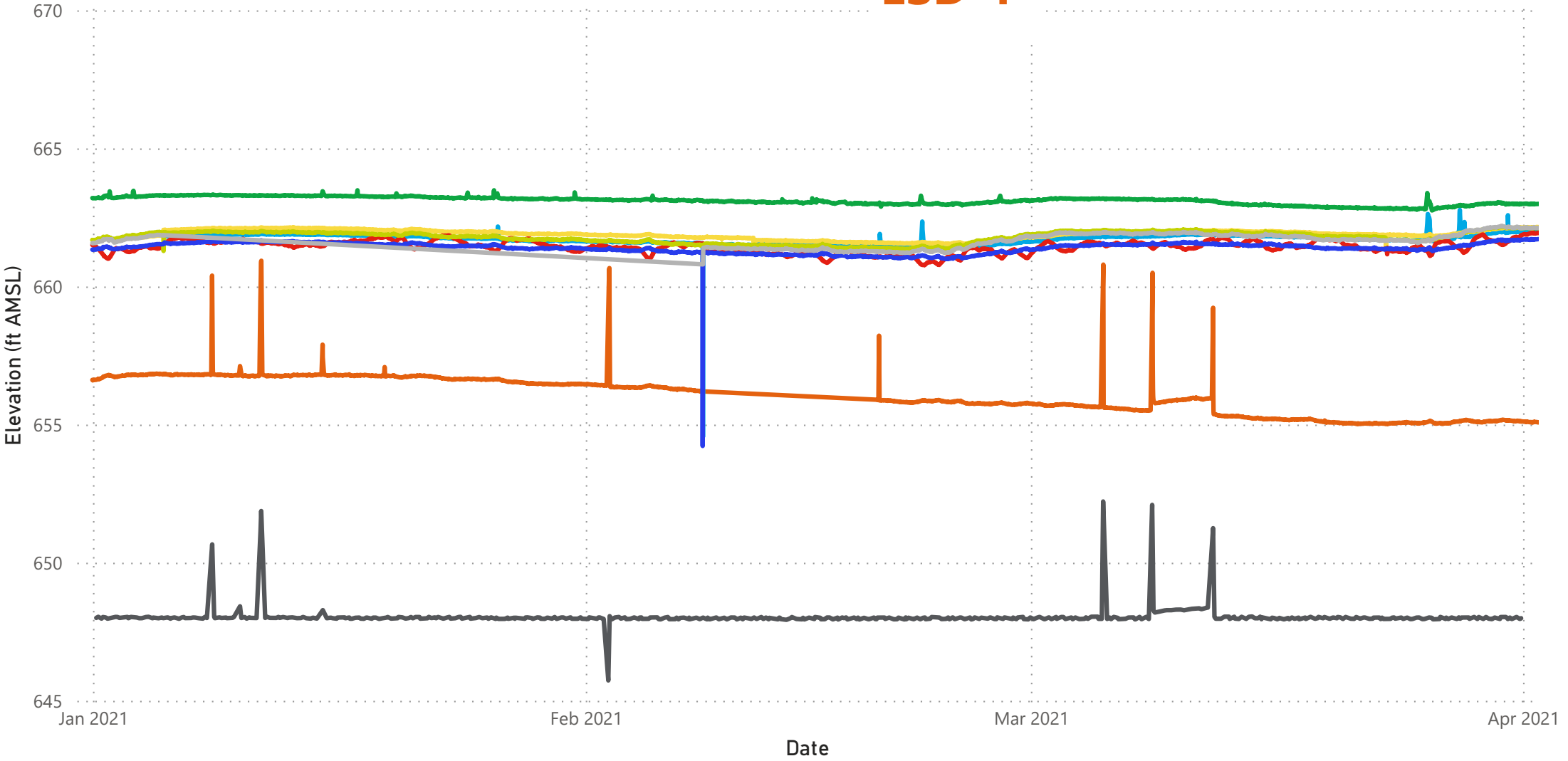
ESD-1

Transducer Download Date

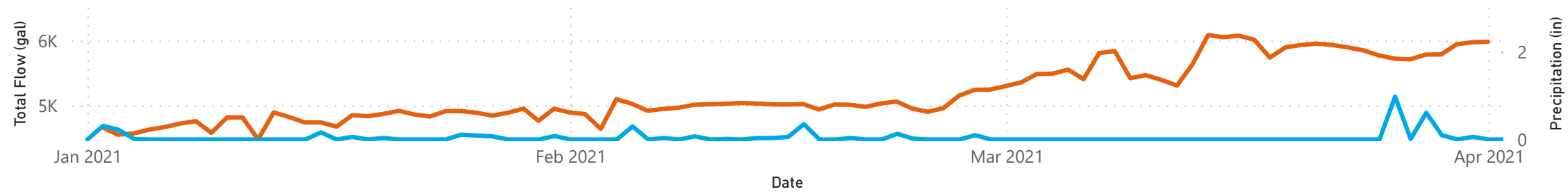
Tuesday, January 5, 2021

Monday, February 8, 2021

Wednesday, April 7, 2021



● ESD-1 Daily Flow ● Precipitation (in)



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CITY: Novi DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY PROJECT NUMBER: 30080642 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
T:_ENV\Novi\Brighton_MIFordLivonia\GIS\docs\2020-03\ESD1_TransducerMap.mxd PLOTTED: 7/15/2020 3:40:54 PM BY: jscott



LEGEND

- ▲ MONITORING WELL
- PIEZOMETER
- ESD PUMP
- VAULT
- WELL BLANK CASING (4-INCH SDR-11 HDPE)
- WELL BLANK CASING (6-INCH SDR-11 HDPE)
- - - WELL SCREEN (4-INCH SDR-11 HDPE, CUSTOM SLOTTED)
- FORD PROPERTY BOUNDARY

NOTES:

1. SYMBOLOGY COLOR-CODING CORRESPONDS TO ASSOCIATED TRANSDUCER DATA. REFER TO ATTACHED GRAPH.



0 100 200



SCALE IN FEET
1 inch = 200 feet

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LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

**PERFORMANCE MONITORING WELLS -
ESD-1**



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● ESD-2 Vault ● ESD-2 Pump ● MW-18 ● MW-48 ● MW-63 ● PZ-06 ● PZ-07 ● PZ-09

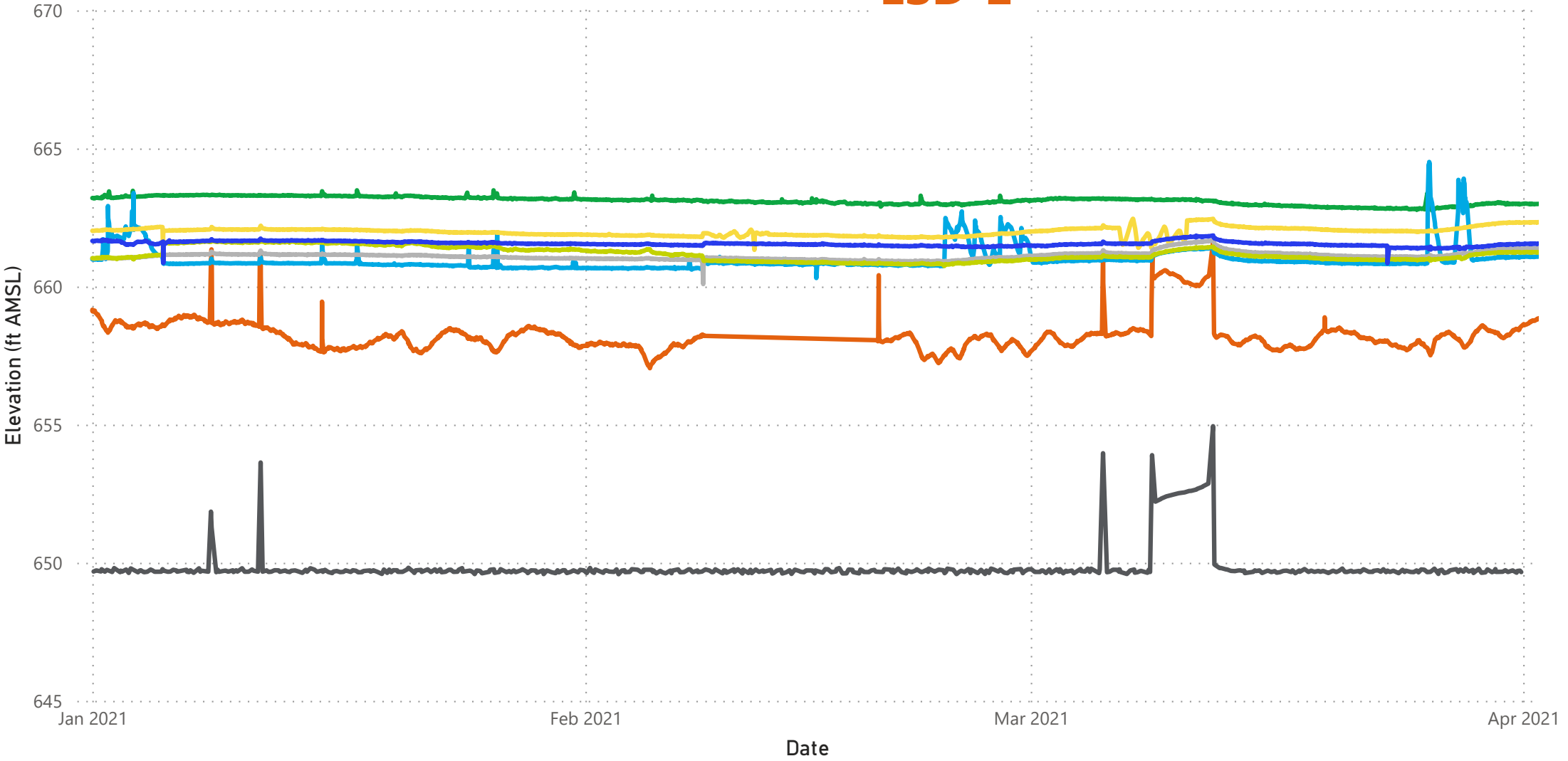
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Transducer Download Date

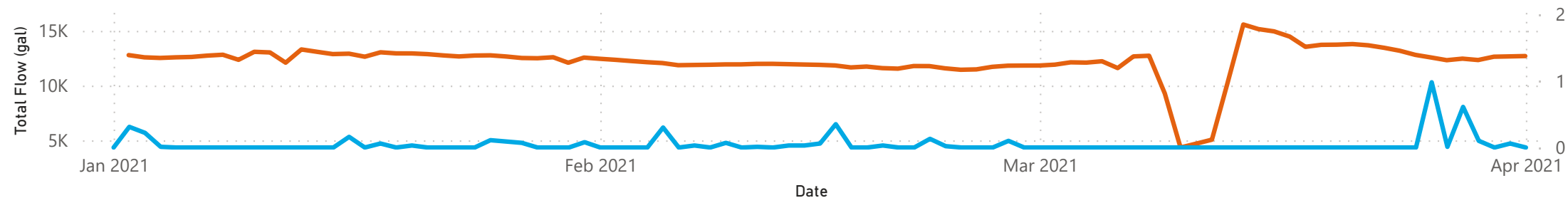
Tuesday, January 5, 2021

Monday, February 8, 2021

Wednesday, April 7, 2021



● ESD-2 Daily Flow ● Precipitation (in.)



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CITY: Novi DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY PROJECT NUMBER: 30080642 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
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LEGEND

- ▲ MONITORING WELL
- PIEZOMETER
- ESD PUMP
- VAULT
- WELL BLANK CASING (4-INCH SDR-11 HDPE)
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- ┌ ┐ FORD PROPERTY BOUNDARY

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0 100 200



SCALE IN FEET
1 inch = 200 feet

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LIVONIA, MICHIGAN

PERFORMANCE MONITORING WELLS -
ESD-2



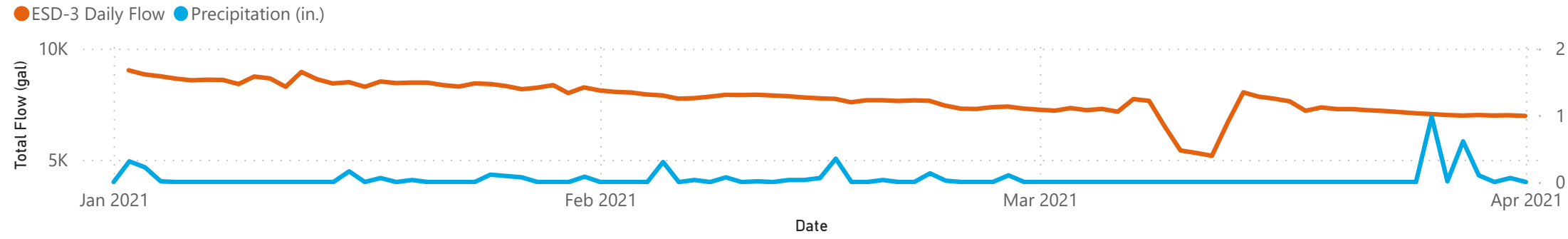
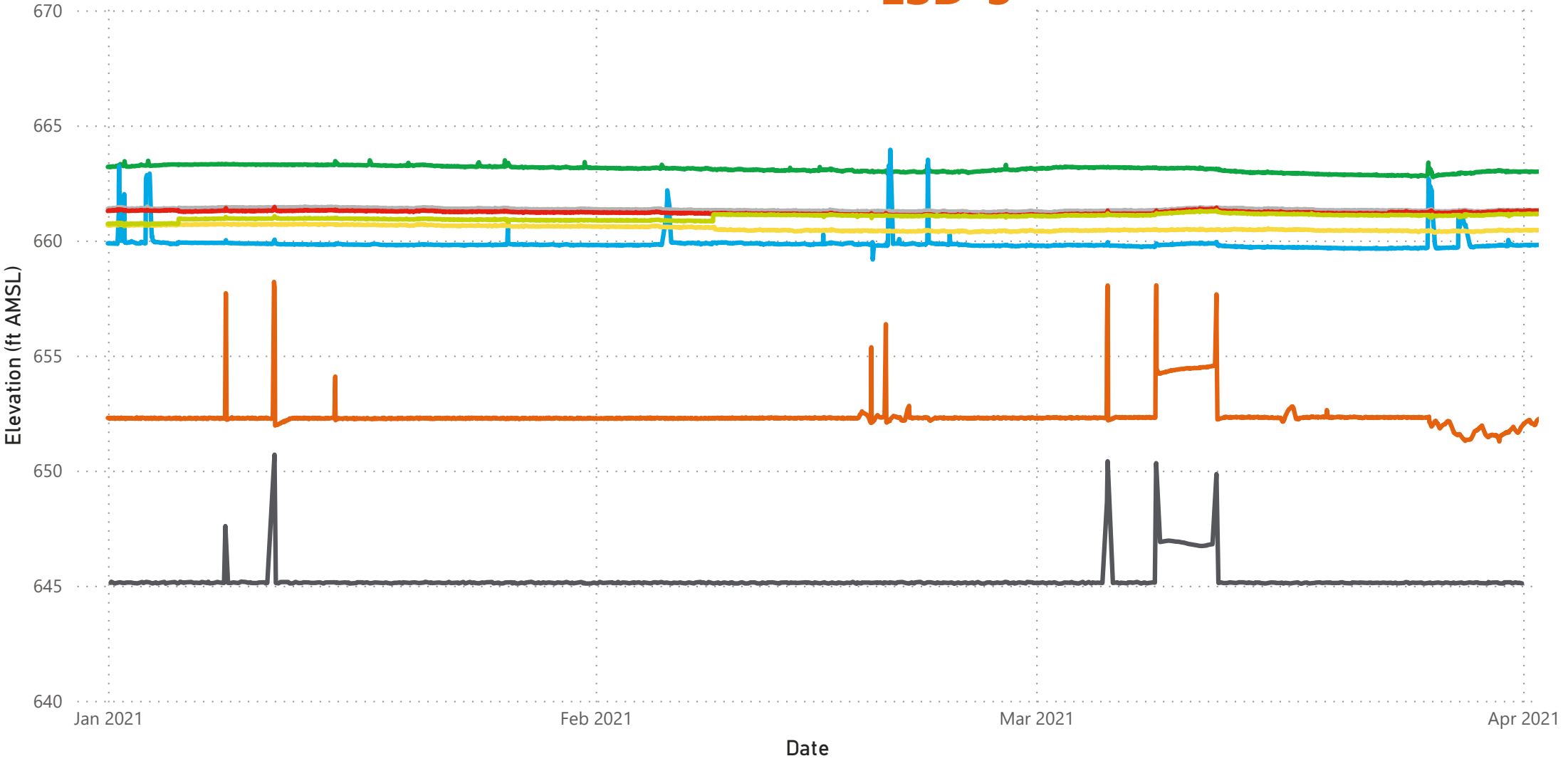
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● ESD-3 Vault ● ESD-3 Pump ● MW-18 ● MW-46 ● MW-68 ● PZ-03 ● PZ-10 ● PZ-13

ESD-3

Transducer Download Date
Tuesday, January 5, 2021
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Wednesday, April 7, 2021



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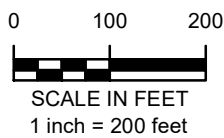
This aerial map illustrates a wastewater treatment facility and its surrounding area. The facility is characterized by several large, circular clarifiers and rectangular aeration tanks. A network of pipes and channels is visible, connecting these units to various monitoring and control points. Key features include:

- Monitoring Points:** Numerous points are marked with labels such as MW-14, MW-18, MW-19, MW-20, MW-21, MW-22, MW-23, MW-24, MW-25, MW-26, MW-27, MW-28, MW-29, MW-30, MW-31, MW-32, MW-33, MW-34, MW-35, MW-36, MW-37, MW-38, MW-39, MW-40, MW-41, MW-42, MW-43, MW-44, MW-45, MW-46, MW-47, MW-48, MW-49, MW-50, MW-51, MW-52, MW-53, MW-54, MW-55, MW-56, MW-57, MW-58, MW-59, MW-60, MW-61, MW-62, MW-63, MW-64, MW-65, MW-66, MW-67, MW-68, MW-69, MW-70, MW-71, MW-72, MW-73, MW-74, MW-75, MW-76, MW-77, MW-78, MW-79, MW-80, MW-81, MW-82, MW-83, MW-84, MW-85, MW-86, MW-87, MW-88, MW-89, MW-90, MW-91, MW-92, MW-93, MW-94, MW-95, MW-96, MW-97, MW-98, MW-99, MW-100, MW-101, MW-102, MW-103, MW-104, MW-105, MW-106, MW-107, MW-108, MW-109, MW-110, MW-111, MW-112, MW-113, MW-114, MW-115, MW-116, MW-117, MW-118, MW-119, MW-120, MW-121, MW-122, MW-123, MW-124, MW-125, MW-126, MW-127, MW-128, MW-129, MW-130, MW-131, MW-132, MW-133, MW-134, MW-135, MW-136, MW-137, MW-138, MW-139, MW-140, MW-141, MW-142, 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MONITORING WELL
PIEZOMETER
ESD PUMP
VAULT
WELL BLANK CASING (4-INCH SDR-11 HDPE)
WELL BLANK CASING (6-INCH SDR-11 HDPE)
WELL SCREEN (4-INCH SDR-11 HDPE, CUSTOM SLOTTED)
FORD PROPERTY BOUNDARY

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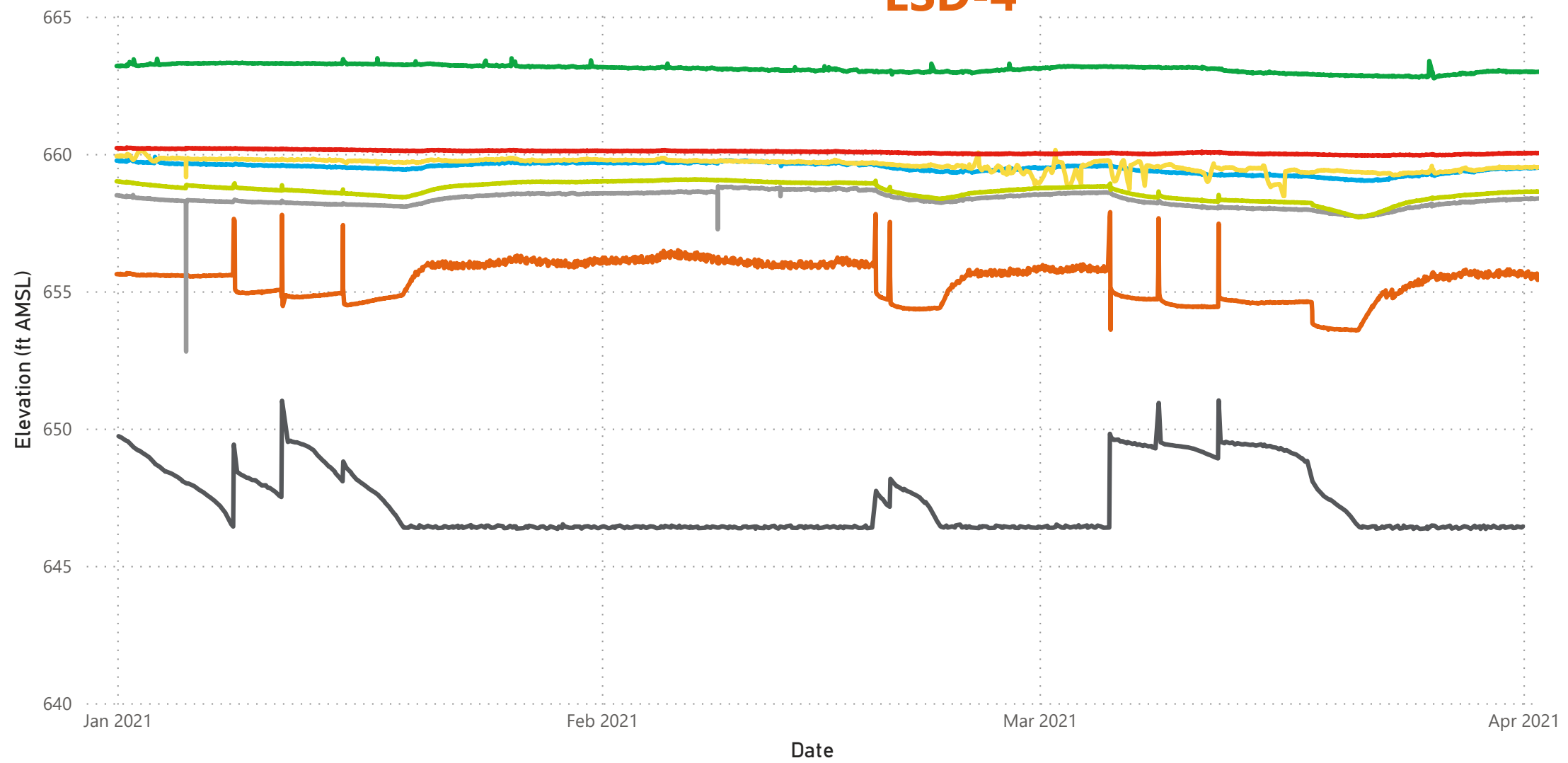


PERFORMANCE MONITORING WELLS - ESD-3

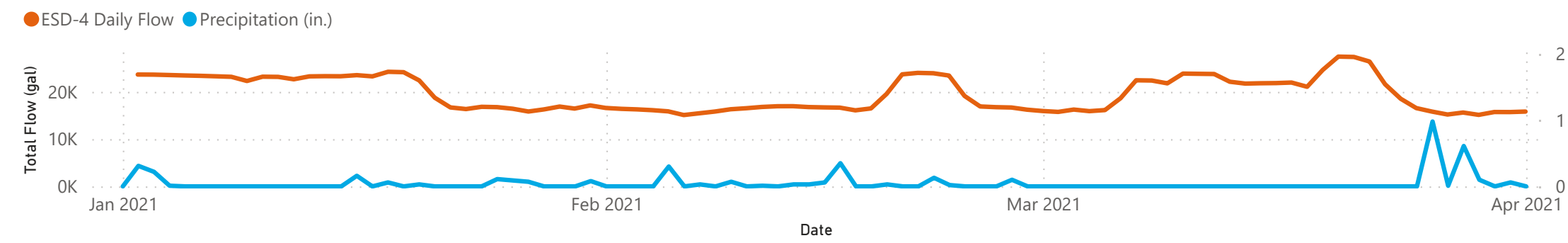


● ESD-4 Vault ● ESD-4 Pump ● MW-18 ● MW-45 ● MW-71 ● PZ-05 ● PZ-11 ● PZ-12

ESD-4



Transducer Download Date
Tuesday, January 5, 2021
Monday, February 8, 2021
Wednesday, April 7, 2021



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CITY: Novi DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY PROJECT NUMBER: 30080642 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
T: \\ENV\\Nov\\Brighton_MIFord\\Livonia\\GIS\\docs\\2020-03\\ESD4_TransducerMap.mxd PLOTTED: 7/15/2020 3:53:51 PM BY: jscott



LEGEND

- ▲ MONITORING WELL
- PIEZOMETER
- ESD PUMP
- VAULT
- WELL BLANK CASING (4-INCH SDR-11 HDPE)
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- FORD PROPERTY BOUNDARY

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0 100 200



SCALE IN FEET
1 inch = 200 feet

FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

**PERFORMANCE MONITORING WELLS -
ESD-4**



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APPENDIX E

Stability Analysis



Trend Analysis Methodology

The Mann-Kendall trend test is a non-parametric test that determines trends based on ranked data. As such, it is relatively insensitive to small data sets, outlier values and non-detect concentrations and does not require the data to fit a specific model. The basic Mann-Kendall trend test is performed by listing the concentrations of the constituent of interest in temporal order and computing the differences between a given measurement and earlier measurements (Gilbert 1987; USEPA 2009). Based on USEPA guidance (USEPA 2009), non-detect values are set to a single value less than that of any detections, and laboratory qualified concentrations are set equal to the laboratory reporting limit.

The Mann-Kendall test statistic (sum of trend [S]) is the difference between the number of strictly positive differences and the number of strictly negative differences. If S is positive, an increasing trend is indicated; if S is negative, a decreasing trend is indicated; and if S is near zero, no trend is apparent. Trends with positive or negative S-statistics were accepted as statistically significant for p-values less than or equal to 0.1 (90% confidence level). The coefficient of variation (CV) is a quantitative measure that can be used to evaluate if concentrations are stable in cases where a statistically significant trend is not apparent. The CV is calculated as the standard deviation of concentrations of each COC measured over time at a monitoring well divided by the mean (average) concentration over the same time period. CV values near or greater than 1 indicate variability in concentrations over time or suggest an underlying trend that is not statistically significant. Lower CV values indicate that concentrations are stable over time. Where no significant trend was found, the trend determination presented was based on the sign and magnitude of the S-statistic, the CV value, and visual examination of the pattern in concentrations over time.

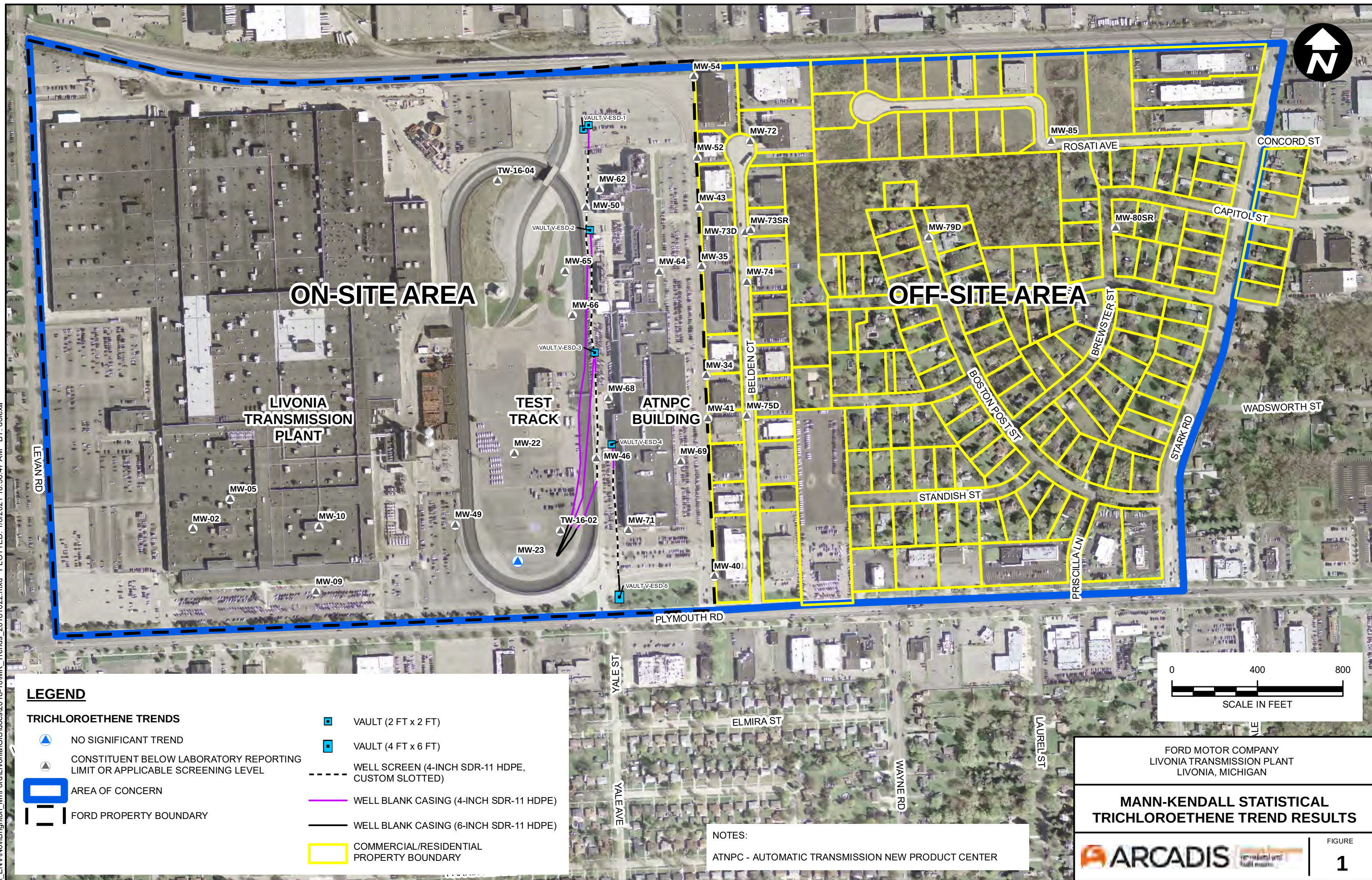
References

- Gilbert, R.O. 1987. *Statistical Methods for Environmental Pollution Monitoring*. John Wiley and Sons, Inc. New York.
- USEPA. 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities. Office of Resource Conservation and Recovery. Unified Guidance. EPA 530-R-09-007.

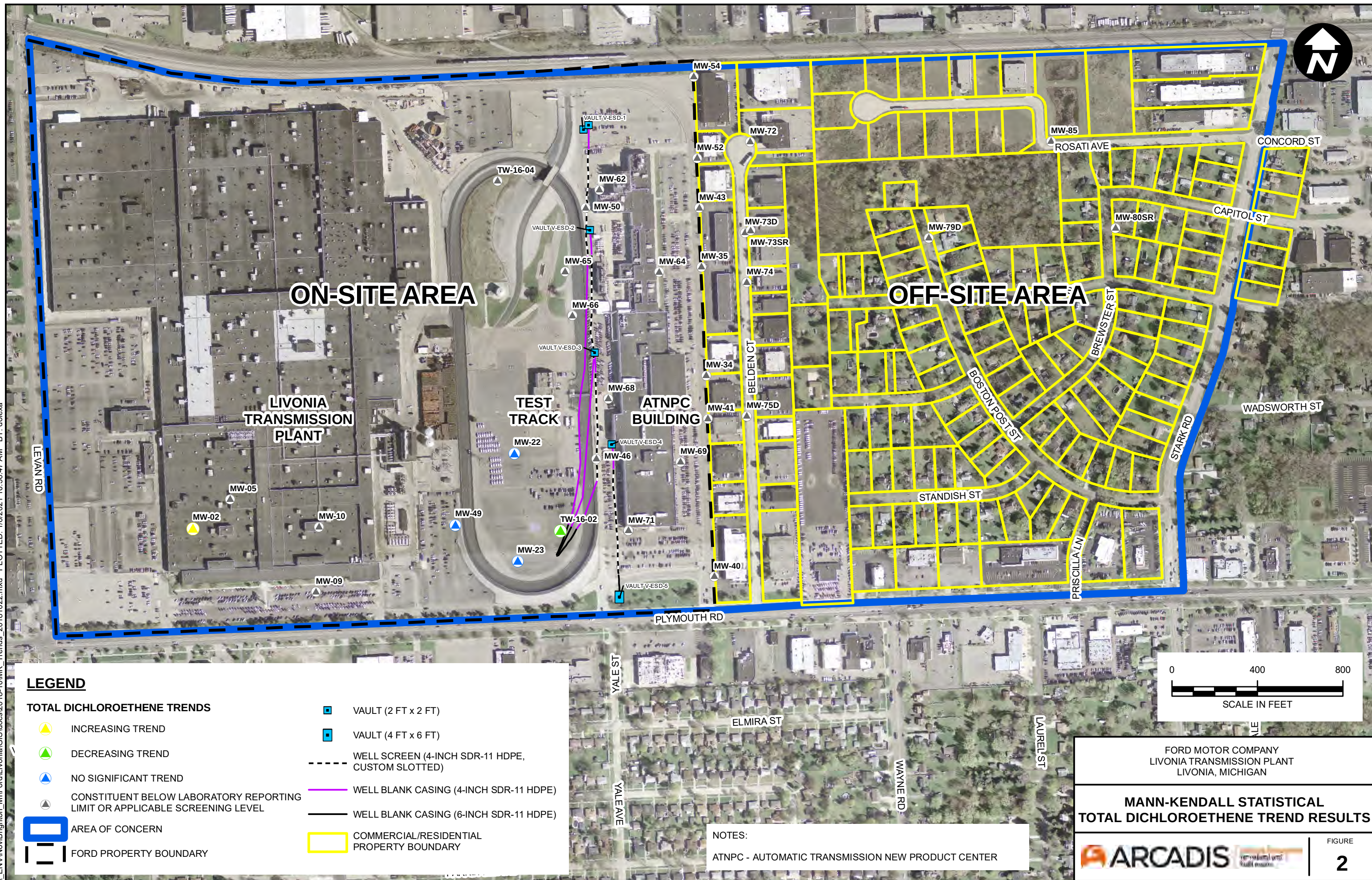
Monitoring Well	Constituent	Start Date	End Date	Minimum Concentration	Maximum Concentration	Most Recent Concentration	n	% detections	CV	S-Statistic	p-value	Trend Determination
MW-02	TCE	5/12/2016	2/10/2021	3.4 J	< 250	< 250	17	24	NA	NA	NA	NA
MW-02	Total DCE	5/12/2016	2/10/2021	550	5,080	3,300	17	100	0.5	92	< 0.01	Statistically Significant Increasing
MW-02	VC	5/12/2016	2/10/2021	140	280	210 J	17	100	0.2	19	0.23	Stable
MW-05	TCE	5/13/2016	2/10/2021	0.18 J	< 1.0	0.40 J	16	19	NA	NA	NA	NA
MW-05	Total DCE	5/13/2016	2/10/2021	0.39 J	< 1.0	0.53 J	16	19	NA	NA	NA	NA
MW-05	VC	5/13/2016	2/10/2021	< 1.0	< 1.0	< 1.0	16	0	NA	NA	NA	NA
MW-09	TCE	5/12/2016	2/11/2021	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-09	Total DCE	5/12/2016	2/11/2021	0.29 J	< 1.0	< 1.0	15	7	NA	NA	NA	NA
MW-09	VC	5/12/2016	2/11/2021	0.20 J	7.6	1.9	15	100	0.9	-59	< 0.01	Statistically Significant Decreasing
MW-10	TCE	5/13/2016	2/10/2021	< 10	< 330	< 330	17	6	NA	NA	NA	NA
MW-10	Total DCE	5/13/2016	2/10/2021	6.4 J	< 330	< 330	17	6	NA	NA	NA	NA
MW-10	VC	5/13/2016	2/10/2021	1,200	5,500	4,600	17	100	0.4	92	< 0.01	Statistically Significant Increasing
MW-22	TCE	5/10/2016	2/10/2021	0.25 J	< 200	< 100	17	6	NA	NA	NA	NA
MW-22	Total DCE	5/10/2016	2/10/2021	25	394	59 J	17	100	0.6	-23	0.18	Potentially Decreasing
MW-22	VC	5/10/2016	2/10/2021	830	2,600	1,200	17	100	0.4	-30	0.11	Potentially Decreasing
MW-23	TCE	5/10/2016	2/10/2021	1,000	25,000	12,000	15	100	0.9	-22	0.15	Potentially Decreasing
MW-23	Total DCE	5/10/2016	2/10/2021	2,580	82,100	47,700	15	100	0.8	-17	0.02	Variable
MW-23	VC	5/10/2016	2/10/2021	77 J	2,400	< 2,000	15	80	0.7	-43	0.02	Statistically Significant Decreasing
MW-34	TCE	5/10/2016	2/13/2021	< 1.0	< 1.0	< 1.0	17	0	NA	NA	NA	NA
MW-34	Total DCE	5/10/2016	2/13/2021	0.29 J	< 1.0	0.47 J	17	71	0.3	NA	NA	Less than screening criteria
MW-34	VC	5/10/2016	2/13/2021	0.52 J	2.2	0.78 J	17	100	0.5	14	0.30	Stable
MW-35	TCE	5/10/2016	2/13/2021	0.11 J	< 1.0	< 1.0	16	6	NA	NA	NA	NA
MW-35	Total DCE	5/10/2016	2/13/2021	0.19 J	< 1.0	< 1.0	16	6	NA	NA	NA	NA
MW-35	VC	5/10/2016	2/13/2021	1.2	9.1	1.2	16	100	0.5	-16	0.25	Stable
MW-40	TCE	5/10/2016	2/13/2021	< 1.0	< 1.0	< 1.0	14	0	NA	NA	NA	NA
MW-40	Total DCE	5/10/2016	2/13/2021	2.6	4.2	3.0	14	100	0.2	NA	NA	Less than screening criteria
MW-40	VC	5/10/2016	2/13/2021	0.26 J	1.8	<1.0	14	86	0.6	-14	0.24	Stable
MW-41	TCE	5/11/2016	2/13/2021	< 1.0	< 1.0	< 1.0	17	0	NA	NA	NA	NA
MW-41	Total DCE	5/11/2016	2/13/2021	0.77 J	3.5	2.3	17	100	0.3	NA	NA	Less than screening criteria
MW-41	VC	5/11/2016	2/13/2021	1.2	5.3	2.0	17	100	0.4	-41	0.05	Statistically Significant Decreasing
MW-43	TCE	5/11/2016	2/13/2021	< 1.0	< 5.0	< 1.0	17	0	NA	NA	NA	NA
MW-43	Total DCE	5/11/2016	2/13/2021	< 1.0	< 5.0	< 1.0	17	0	NA	NA	NA	NA
MW-43	VC	5/11/2016	2/13/2021	0.28 J	17	< 1.0	17	71	1.1	NA	NA	Less than screening criteria
MW-46	TCE	5/12/2016	2/18/2021	< 1.0	< 5.0	< 1.0	17	0	NA	NA	NA	NA
MW-46	Total DCE	5/12/2016	2/18/2021	1.6 J	26	4.8	17	100	0.8	NA	NA	Less than screening criteria
MW-46	VC	5/12/2016	2/18/2021	13	150	14	17	100	0.8	-40	0.05	Statistically Significant Decreasing
MW-49	TCE	5/12/2016	2/19/2021	< 50	< 2,500	< 500	16	0	NA	NA	NA	NA
MW-49	Total DCE	5/12/2016	2/19/2021	13,000	50,210	50,210	16	100	0.4	7	0.39	Variable
MW-49	VC	5/12/2016	2/19/2021	3,700	15,000	12,000	16	100	0.3	-14	0.28	Variable
MW-50	TCE	5/11/2016	2/11/2021	< 1.0	< 10	< 10	17	0	NA	NA	NA	NA
MW-50	Total DCE	5/11/2016	2/11/2021	2.3	23	17	17	100	0.4	NA	NA	Less than screening criteria
MW-50	VC	5/11/2016	2/11/2021	48	240	160	17	100	0.4	37	0.07	Statistically Significant Increasing
MW-52	TCE	5/11/2016	2/13/2021	< 1.0	< 5.0	< 1.0	16	0	NA	NA	NA	NA
MW-52	Total DCE	5/11/2016	2/13/2021	< 1.0	< 5.0	< 1.0	16	0	NA	NA	NA	NA
MW-52	VC	5/11/2016	2/13/2021	2.3	9.1	2.3	16	100	0.4	-60	< 0.01	Statistically Significant Decreasing
MW-54	TCE	7/27/2017	2/24/2021	< 1.0	< 1.0	< 1.0	14	0	NA	NA	NA	NA
MW-54	Total DCE	7/27/2017	2/24/2021	< 1.0	< 1.0	< 1.0	14	0	NA	NA	NA	NA
MW-54	VC	7/27/2017	2/24/2021	0.34 J	1.5	0.74 J	14	100	0.3	-10	0.31	Stable
MW-62	TCE	4/21/2017	2/11/2021	< 1.0	< 1.0	< 1.0	16	0	NA	NA	NA	NA
MW-62	Total DCE	4/21/2017	2/11/2021	0.23 J	1.6	< 1.0	16	44	0.9	NA	NA	Less than screening criteria
MW-62	VC	4/21/2017	2/11/2021	0.44 J	1.5	0.44 J	16	94	0.3	NA	NA	Less than screening criteria
MW-64	TCE	4/24/2017	2/17/2021	< 1.0	< 1.0	< 1.0	16	0	NA	NA	NA	NA
MW-64	Total DCE	4/24/2017	2/17/2021	0.18 J	0.37 J	0.37 J	16	75	0.2	NA	NA	Less than screening criteria
MW-64	VC	4/24/2017	2/17/2021	0.69 J	9.9	2.6	16	100	0.6	-14	0.28	Variable
MW-65	TCE	4/25/2017	2/9/2021	< 1.0	< 4.0	< 1.0	16	0	NA	NA	NA	NA
MW-65	Total DCE	4/25/2017	2/9/2021	3.3	7.0	6.5	16	100	0.2	NA	NA	Less than screening criteria
MW-65	VC	4/25/2017	2/9/2021	14	61	14	16	100	0.4	-86	< 0.01	Statistically Significant Decreasing
MW-66	TCE	4/25/2017	2/10/2021	< 1.0	< 1.0	< 1.0	16	0	NA	NA	NA	NA
MW-66	Total DCE	4/25/2017	2/10/2021	0.19 J	< 1.0	< 1.0	16	6	NA	NA	NA	NA
MW-66	VC	4/25/2017	2/10/2021	0.81 J	5.6	2.9	16	94	0.5	-23	0.16	Potentially Decreasing
MW-68	TCE	4/24/2017	2/18/2021	0.26 J	< 2.0	< 2.0	16	19	NA	NA	NA	NA
MW-68	Total DCE	4/24/2017	2/18/2021	11	45	39	16	100	0.4	NA	NA	Less than screening criteria
MW-68	VC	4/24/2017	2/18/2021	2.1	19	3.0	16	100	0.8	4	0.45	Variable
MW-69	TCE	4/25/2017	2/12/2021	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-69	Total DCE	4/25/2017	2/12/2021	0.19 J	< 1.0	0.31 J	15	53	0.2	NA	NA	Less than screening criteria
MW-69	VC	4/25/2017	2/12/2021	< 1.0	5.0	3.3	15	87	0.3	42	0.02	Statistically Significant Increasing
MW-71	TCE	4/24/2017	2/12/2021	< 1.0	< 1.0	< 1.0	16	0	NA	NA	NA	NA
MW-71	Total DCE	4/24/2017	2/12/2021	0.30 J	0.71 J	0.59 J	16	81	0.3	NA	NA	Less than screening criteria
MW-71	VC	4/24/2017	2/12/2021	0.29 J	0.83 J	< 1.0	16	75	0.4	NA	NA	Less than screening criteria
MW-72	TCE	5/22/2017	2/10/2021	< 1.0	< 1.0	< 1.0	16	0	NA	NA	NA	NA
MW-72	Total DCE	7/26/2017	2/10/2021	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-72	VC	5/22/2017	2/10/2021	1.1	3.9	1.2	16	100	0.4	-12	0.31	Stable
MW-73D	TCE	5/22/2017	2/11/2021	< 1.0	< 1.0	< 1.0	16	0	NA	NA	NA	NA
MW-73D	Total DCE	7/26/2017	2/11/2021	0.19 J	< 1.0	< 1.0	15	47	0.3	NA	NA	Less than screening criteria
MW-73D	VC	5/22/2017	2/11/2021	0.28 J	1.3	< 1.0	16	63	0.4	NA	NA	Less than screening criteria
MW-73SR	TCE	12/17/2018	2/11/2021	0.15 J	< 1.0	0.17 J	10	60	0.3	NA	NA	Less than screening criteria
MW-73SR	Total DCE	12/17/2018	11/17/2020	1.3	3.4	1.5	10	100	0.3	NA	NA	Less than screening criteria
MW-73SR	VC	12/17/2018	11/17/2020	0.55 J	1.7	0.55 J	10	80	0.3	NA	NA	Less than screening criteria
MW-74	TCE	5/23/2017	2/11/2021	< 1.0	< 1.0	< 1.0	16	0	NA	NA	NA	NA
MW-74	Total DCE	7/26/2017	2/11/2021	0.33 J	1.7	0.33 J	15	80	0.6	NA	NA	Less than screening criteria
MW-74	VC	5/23/2017	2/11/2021	0.70 J	4.1	3.1	16	75	0.4	14	0.28	Variable
MW-75D	TCE	5/23/2017	2/10/2021	< 1.0	< 1.0	< 1.0	16	0	NA	NA	NA	NA
MW-75D	Total DCE	7/26/2017	2/10/2021	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-75D	VC	5/23/2017	2/10/2021	1.0	6.4	1.1	16	100	0.6	-61	< 0.01	Statistically Significant Decreasing
MW-79D	TCE	5/24/2017	2/12/2021	0.11 J	< 1.0	< 1.0	16	6	NA	NA	NA	NA
MW-79D	Total DCE	7/25/2017	2/12/2021	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-79D	VC	5/24/2017	2/12/2021	1.3	4.1	1.4	16	100	0.4	-69	< 0.01	Statistically Significant Decreasing
MW-80SR	TCE	12/27/2018	2/10/2021	< 1.0	< 1.0	< 1.0	10	0	NA	NA	NA	NA
MW-80SR	Total DCE	12/27/2018	2/10/2021	0.18 J	< 1.0	< 1.0	10	10	NA	NA	NA	NA
MW-80SR	VC	12/27/2018	2/10/2021	1.4	4.3	1.6	10	100	0.4	14	0.13	Potentially Increasing
MW-85	TCE	5/25/2017	2/19/2021	< 1.0	< 1.0	< 1.0	16	0	NA	NA	NA	NA
MW-85	Total DCE	7/25/2017	2/19/2021	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-85	VC	5/25/2017	2/19/2021	3.9	8.6	5.8	16	100	0.2	-67	< 0.01	Statistically Significant Decreasing
TW-16-02	TCE	4/25/2017	3/2/2021	< 20	< 1,000	< 330	15	0	NA	NA	NA	NA
TW-16-02	Total DCE	4/25/2017	3/2/2021	170	7,830	600	15	100	0.7	-49	< 0.01	Statistically Significant Decreasing
TW-16-02	VC	4/25/2017	3/2/2021	420	15,000	4,100	15	100	0.6	-66	< 0.01	Statistically Significant Decreasing
TW-16-04	TCE	4/25/2017	3/1/2021	< 1.0	< 6.7	< 2.0	15	0	NA	NA	NA	NA
TW-16-04	Total DCE	4/25/2017	3/1/2021	12	25	13	15	100	0.2	NA	NA	Less than screening criteria
TW-16-04	VC	4/25/2017	3/1/2021	20	150	30	15	100	0.6	-87	< 0.01	Statistically Significant Decreasing

Notes:
< = less than the posted reporting limit
% = percent
CV = coefficient of variation; low values indicate stable concentrations. Values near or greater than 1 suggest variability and/or a temporal trend.
DCE = dichloroethene
n = number of samples included in analysis
NA = not applicable due to elevated proportion of non-detect concentrations
p-value: values less than 0.1 indicate a statistically significant trend at 90% confidence.
S-Statistic: positive values suggest increasing trend, negative values suggest decreasing trend, values near zero indicate stability or variability.
TCE = trichloroethene
VC = vinyl chloride
1. All concentrations are micrograms per liter
2. Total DCE = sum of cis-1,2-DCE, trans-1,2-DCE, and 1,1-DCE. Non-detect concentrations taken as zero.

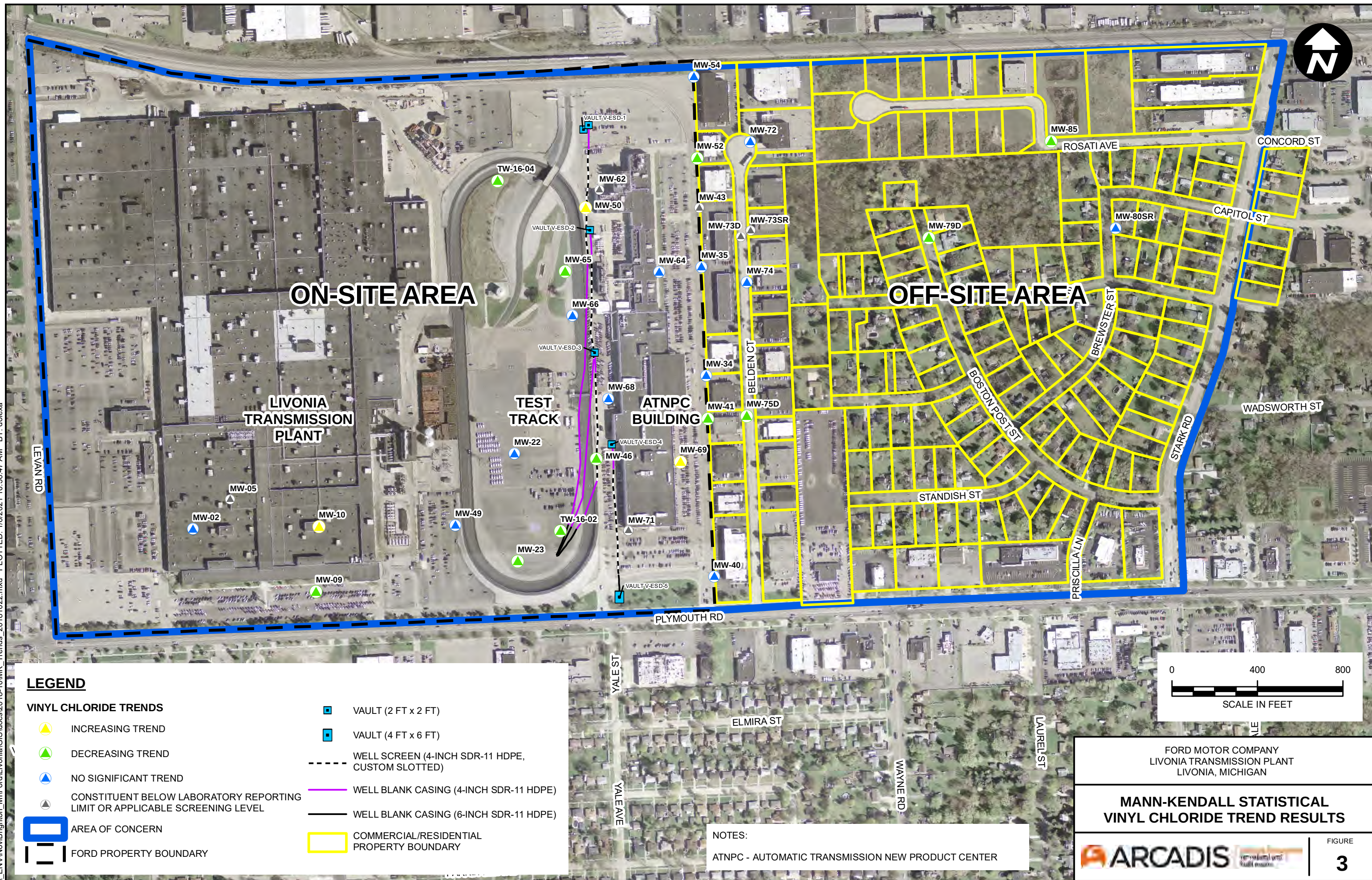
CITY: Novi DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY PROJECT NUMBER: 30080642 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet T: \ENV\NoviBrighton_MIFordLivonia\GIS\docs\2018-10\MK_Trends_20181022.mxd PLOTTED: 1/6/2021 10:36:47 AM BY: dolexa

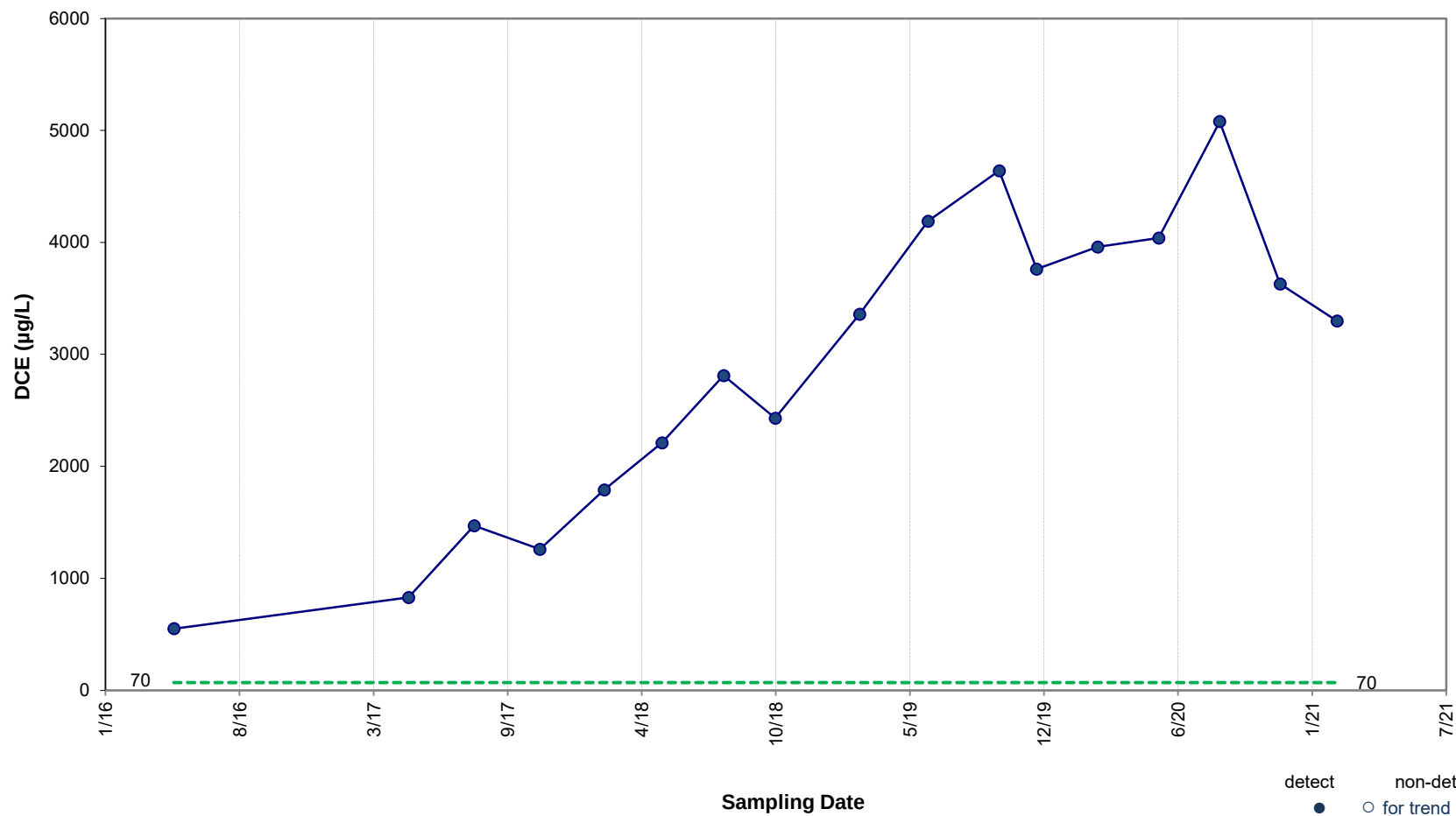


CITY: Novi DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY PROJECT NUMBER: 30080642 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet T: \ENV\Novi\Brighton_MI\FordLivonia\GIS\docs\2018-10\MK_Trends_20181022.mxd PLOTTED: 1/6/2021 10:36:47 AM BY: dolexa



CITY: Novi DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY PROJECT NUMBER: 30080642 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet T: \ENV\Novi\Brighton_MI\FordLivonia\GIS\docs\2018-10\MK_Trends_20181022.mxd PLOTTED: 1/6/2021 10:36:47 AM BY: dolexa





detect non-detects
 ● ○ for trend ● original RL
 - - - Offsite Res DW Criteria

Results of Mann-Kendall Test for Trend:

INCREASING TREND

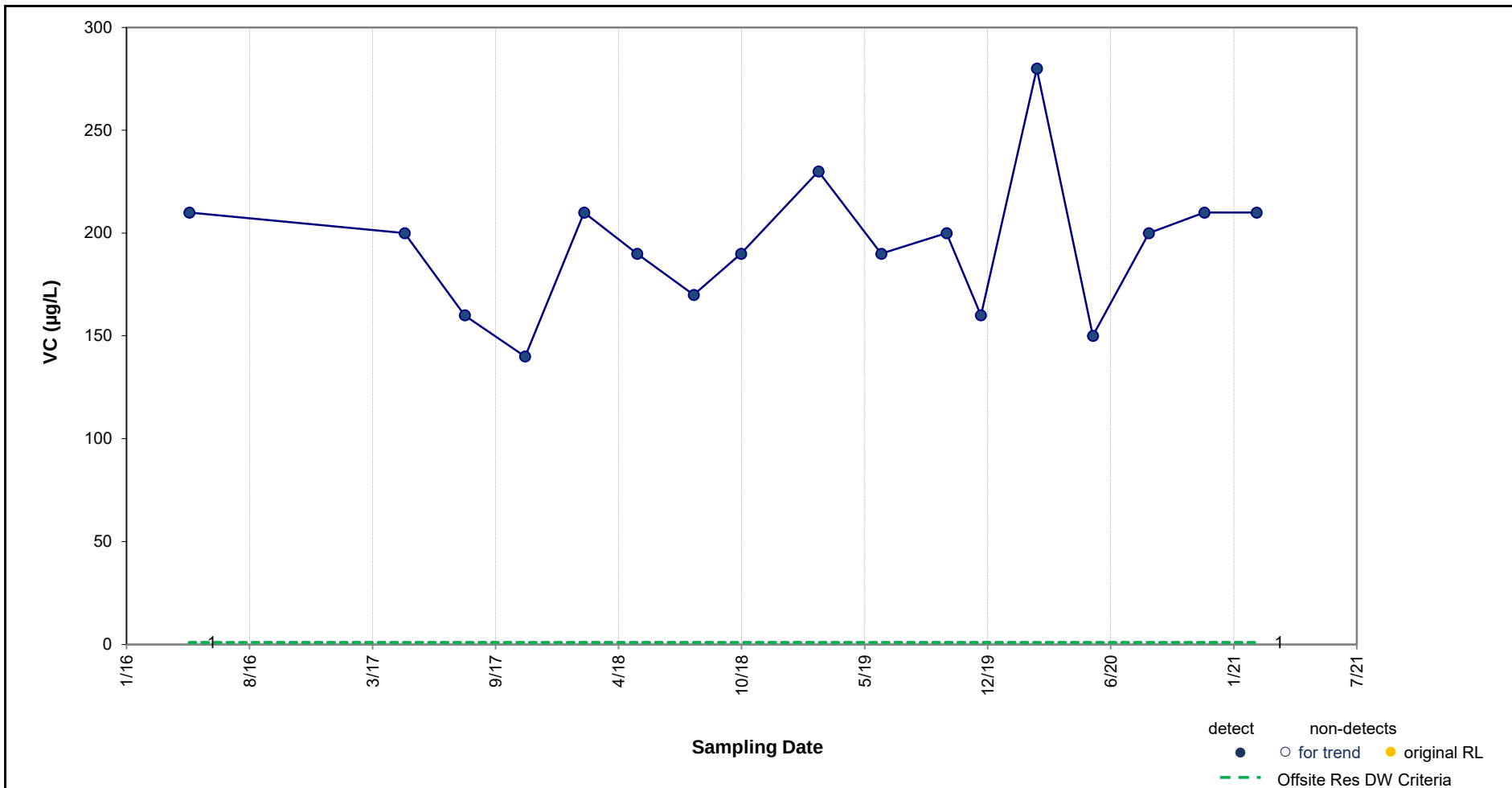
p value = <0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – DCE in MW-2
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 4



Results of Mann-Kendall Test for Trend:

No Significant Trend

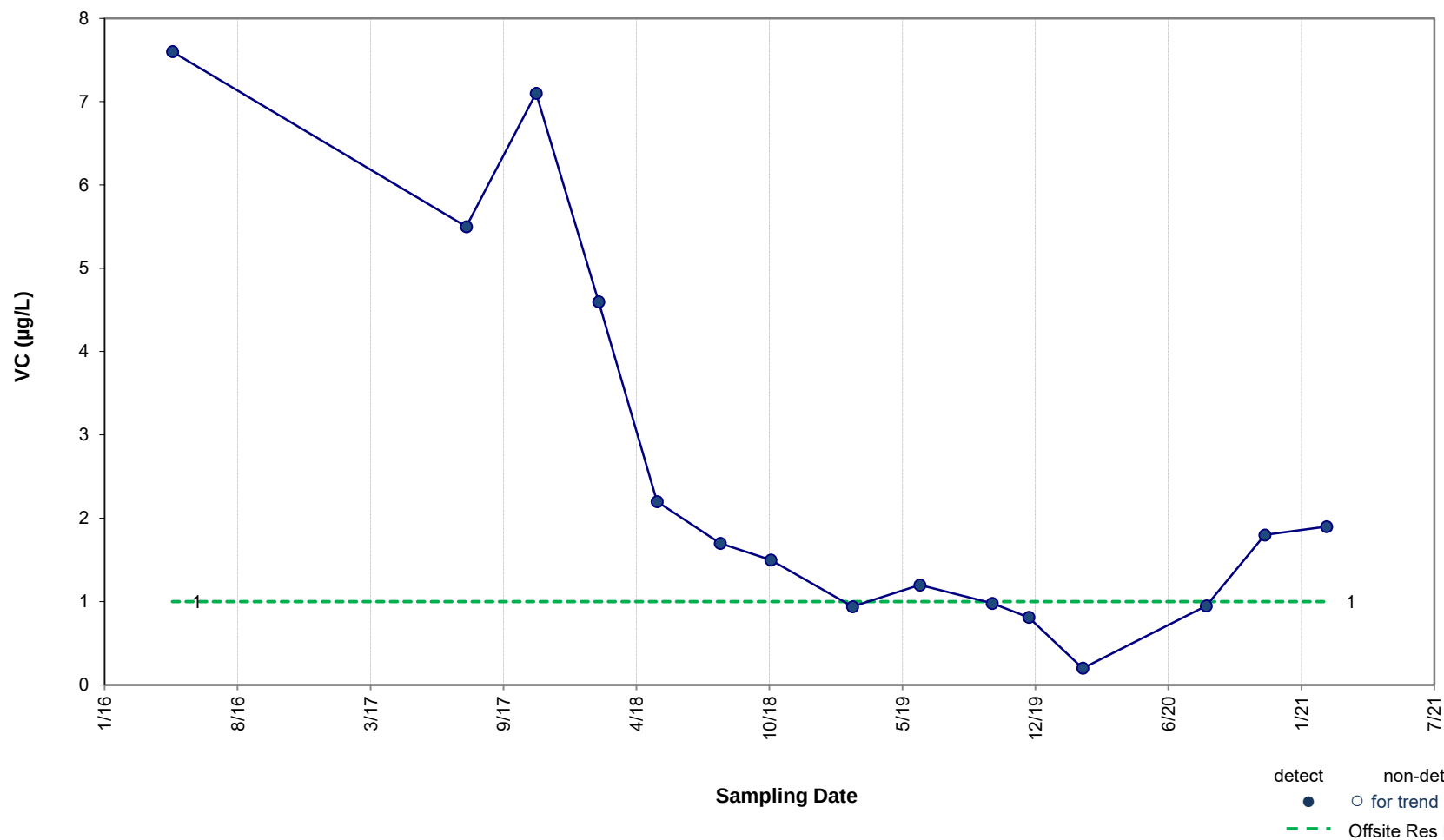
p value = 0.226

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-2
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 5



Results of Mann-Kendall Test for Trend:

DECREASING TREND

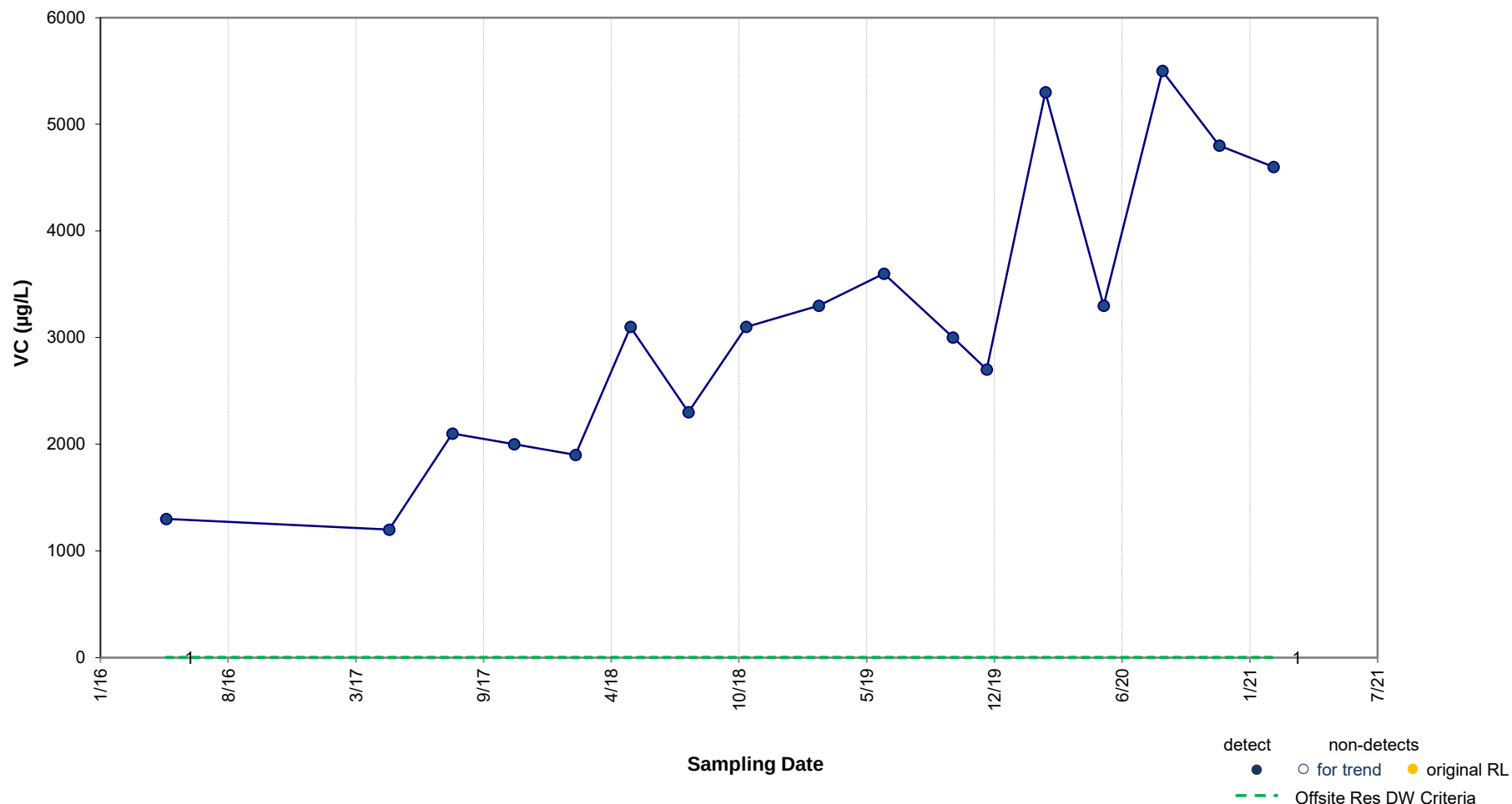
p value = 0.002

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-9
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 6



Results of Mann-Kendall Test for Trend:

INCREASING TREND

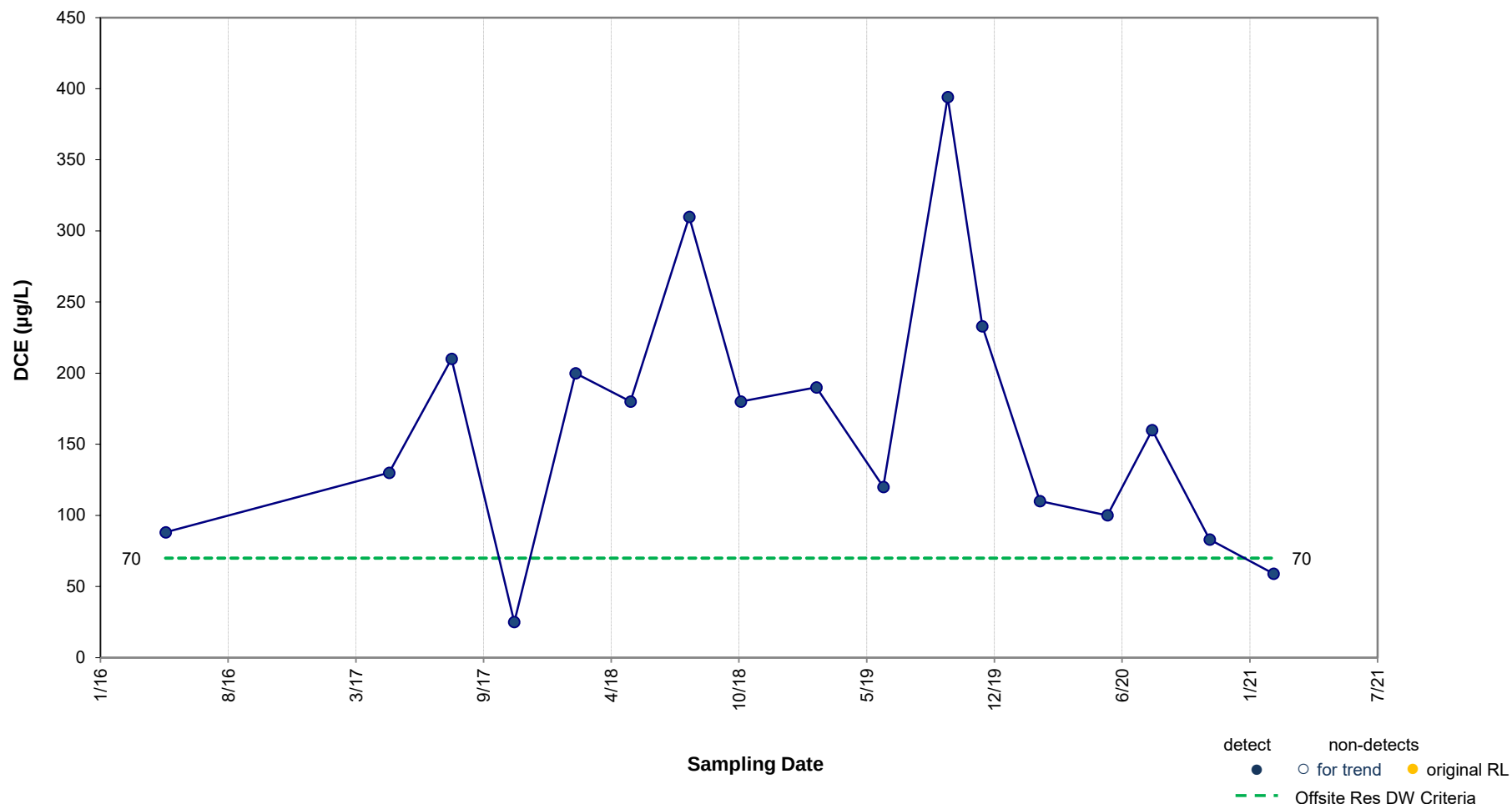
p value = <0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-10
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 7



Results of Mann-Kendall Test for Trend:

No Significant Trend

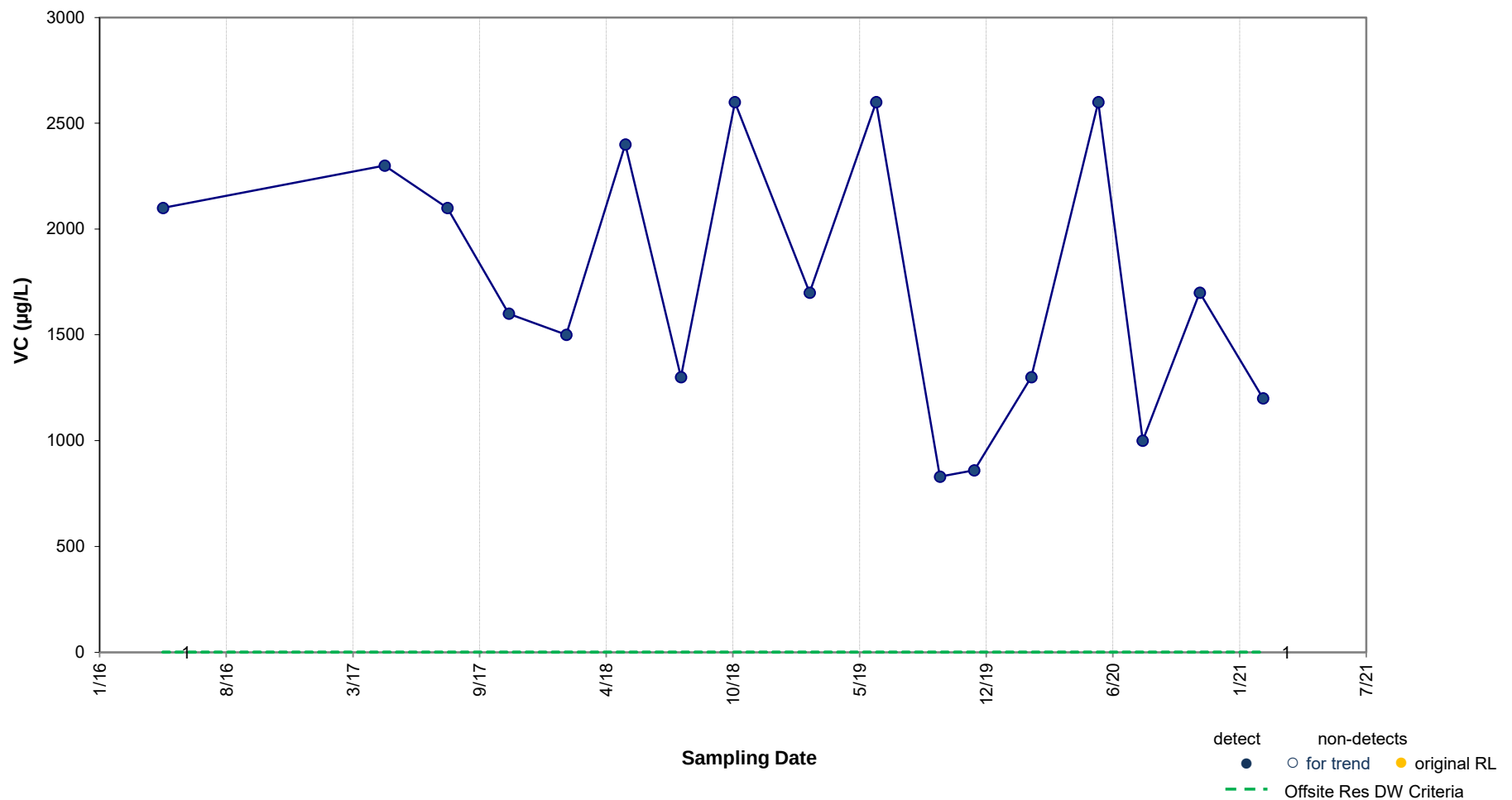
p value = 0.182

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – DCE in MW-22
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 8



Results of Mann-Kendall Test for Trend:

No Significant Trend

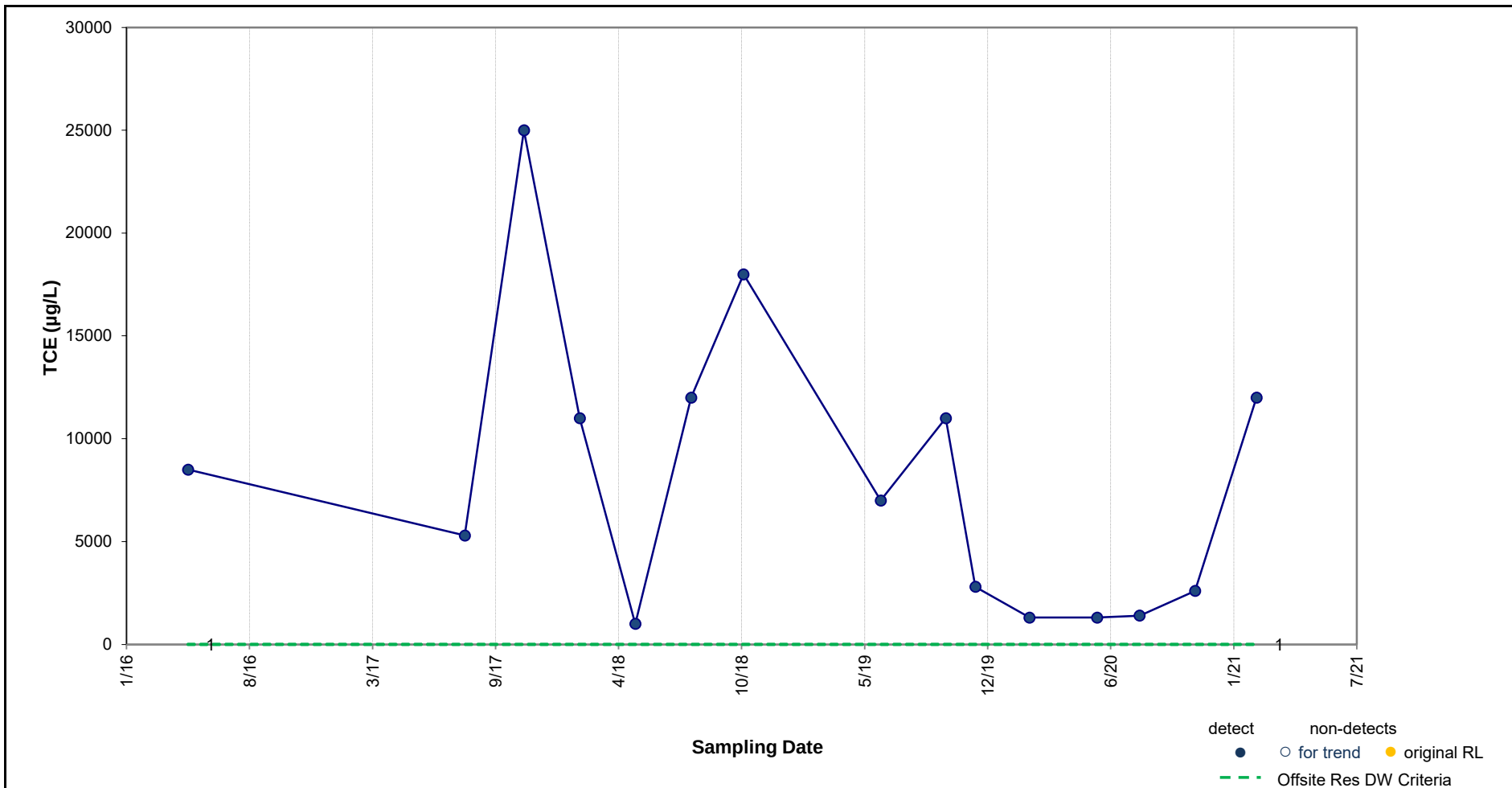
p value = 0.115

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-22
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 9



Results of Mann-Kendall Test for Trend:

No Significant Trend

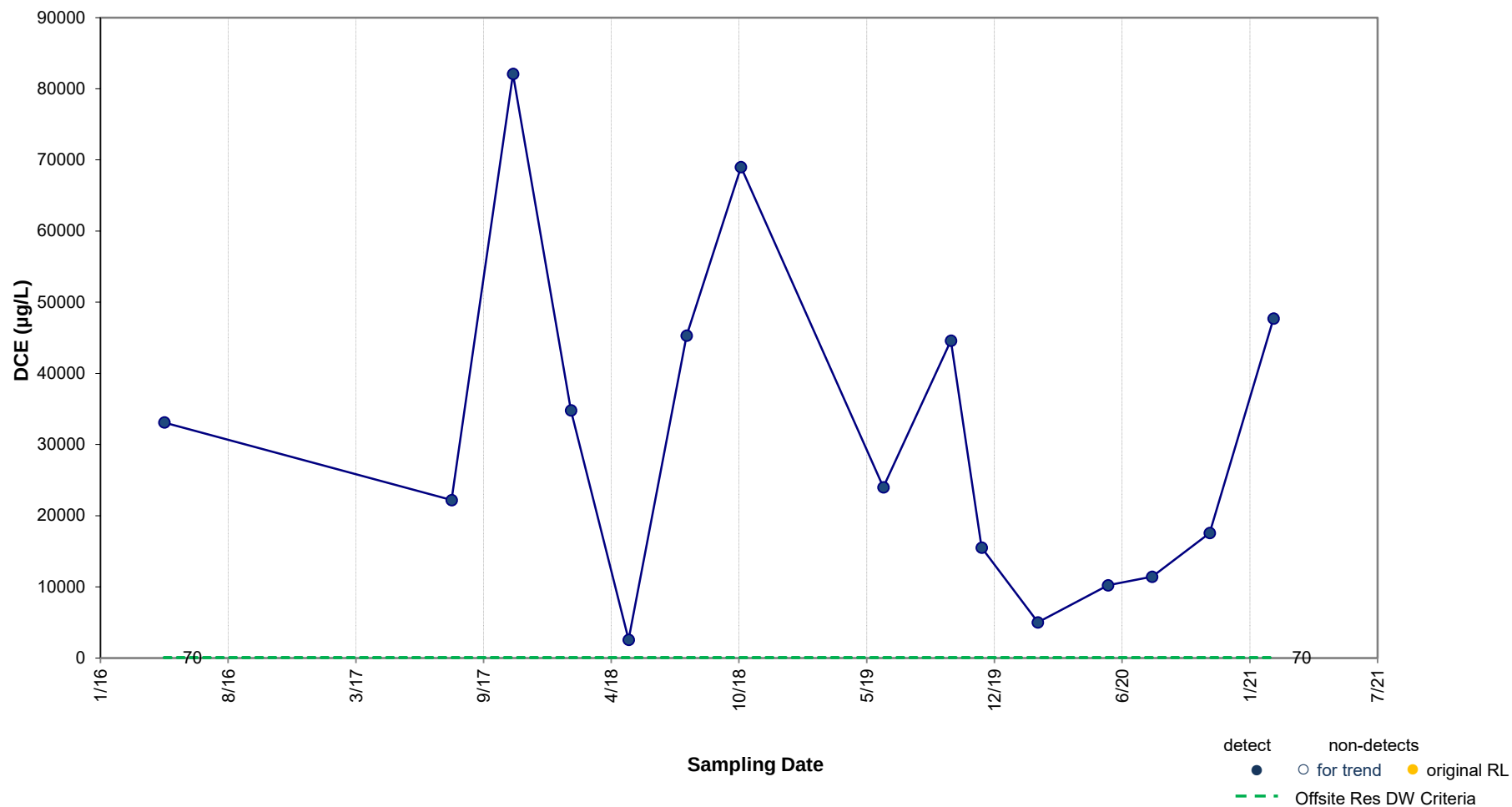
p value = 0.148

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – TCE in MW-23
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 10



Results of Mann-Kendall Test for Trend:

No Significant Trend

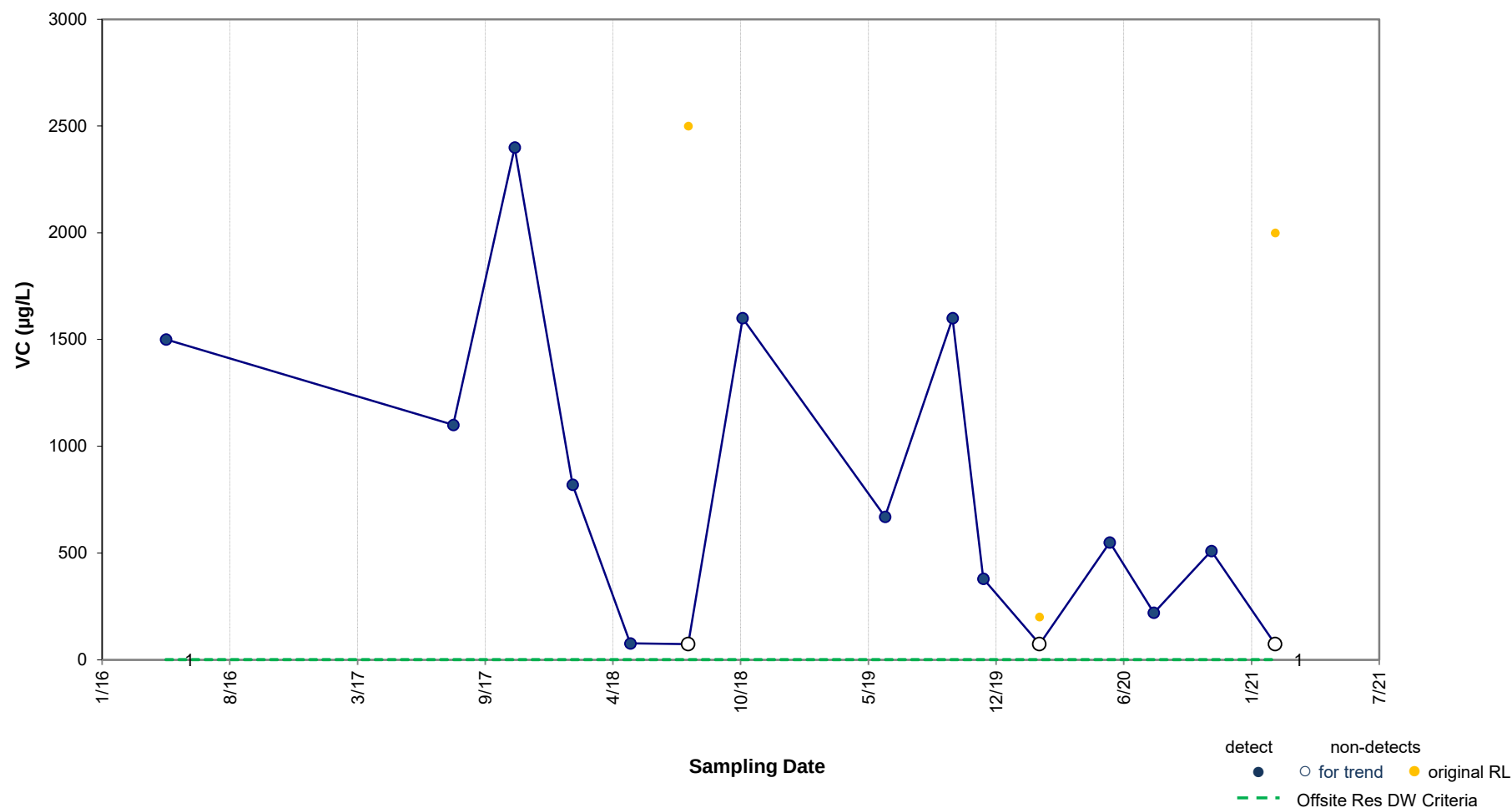
p value = 0.214

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – DCE in MW-23
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 11



Results of Mann-Kendall Test for Trend:

DECREASING TREND

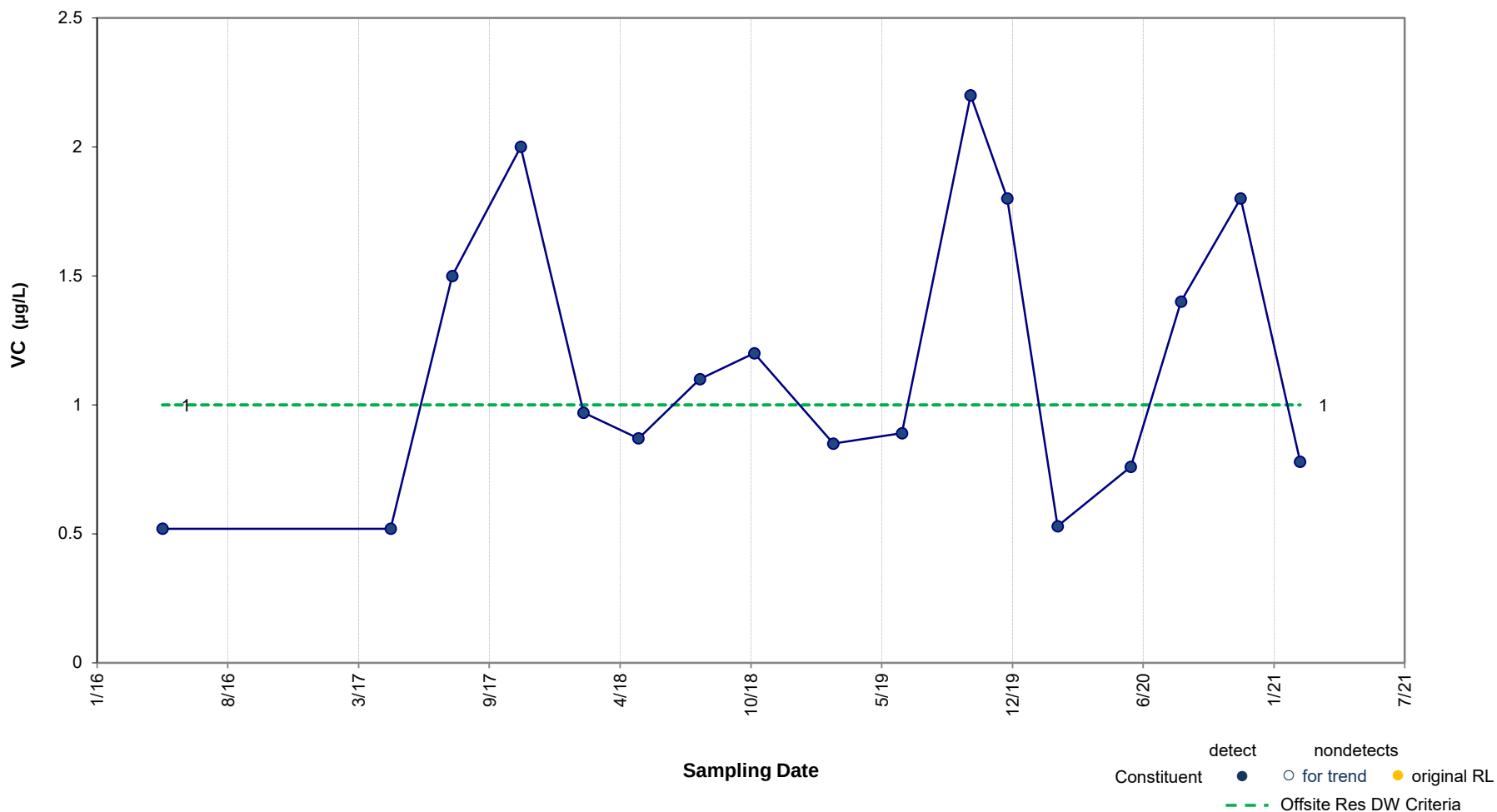
p value = 0.018

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-23
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 12

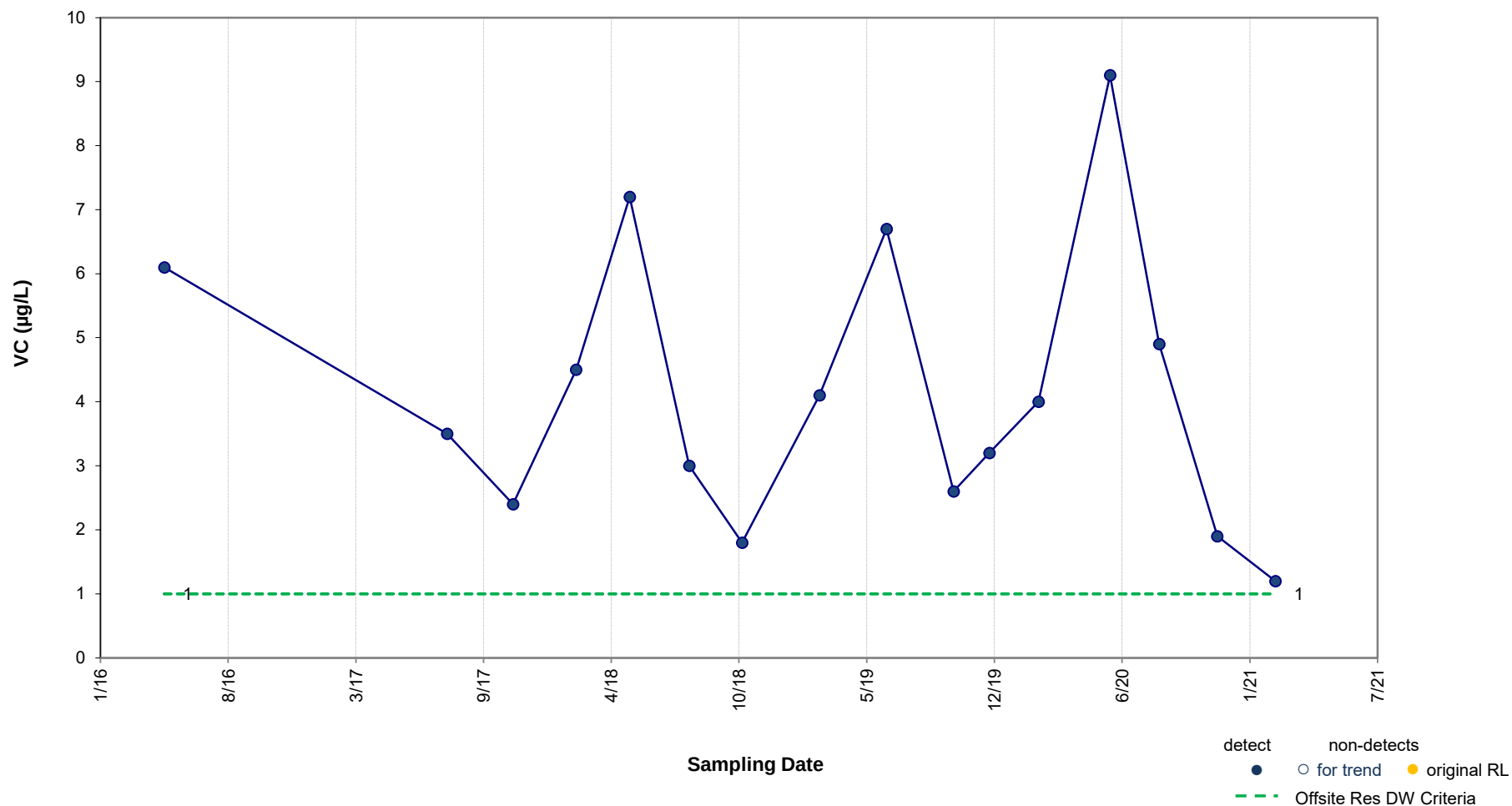


Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.296

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Results of Mann-Kendall Test for Trend:

No Significant Trend

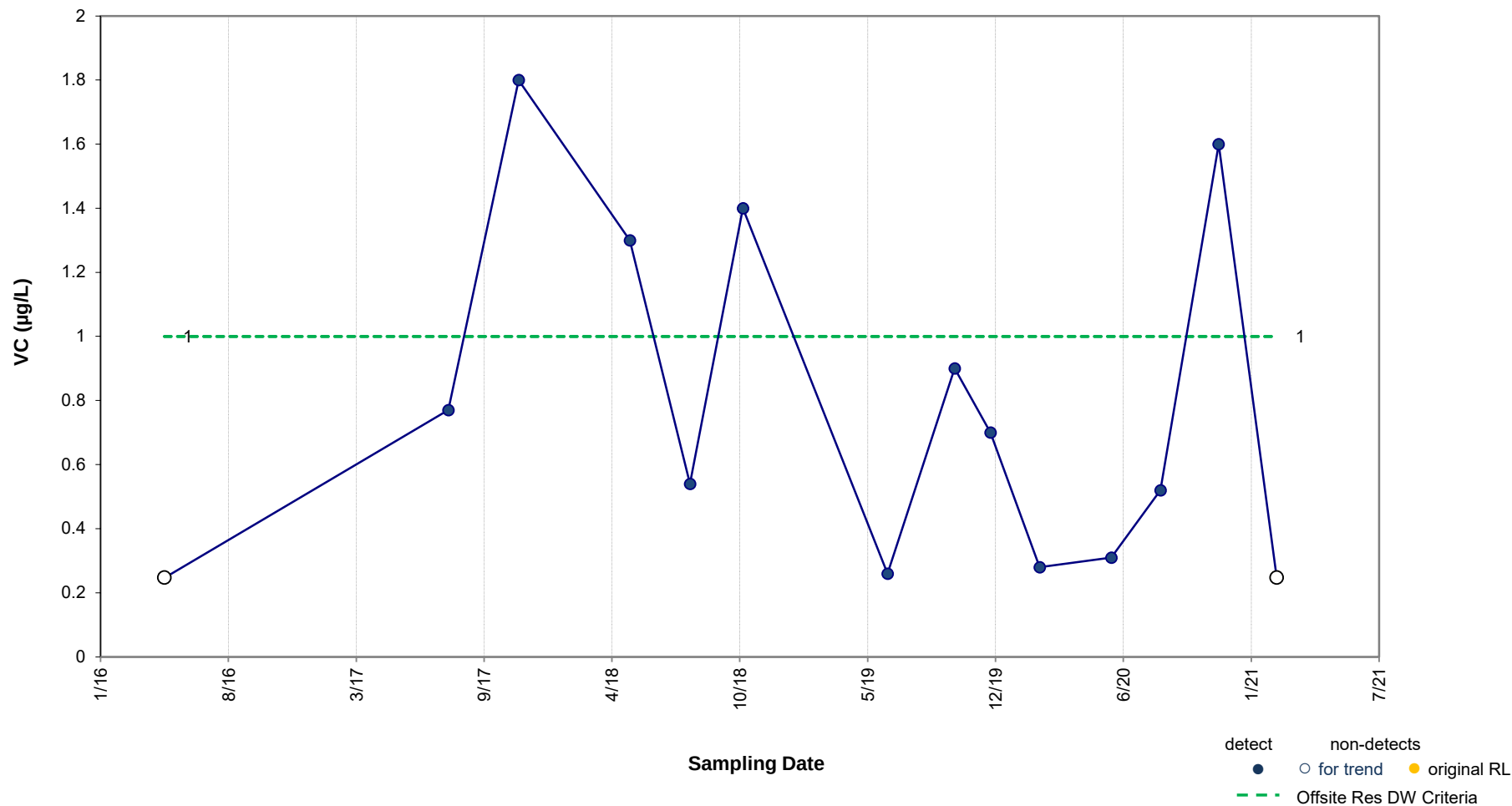
p value = 0.250

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-35
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 14



Results of Mann-Kendall Test for Trend:

No Significant Trend

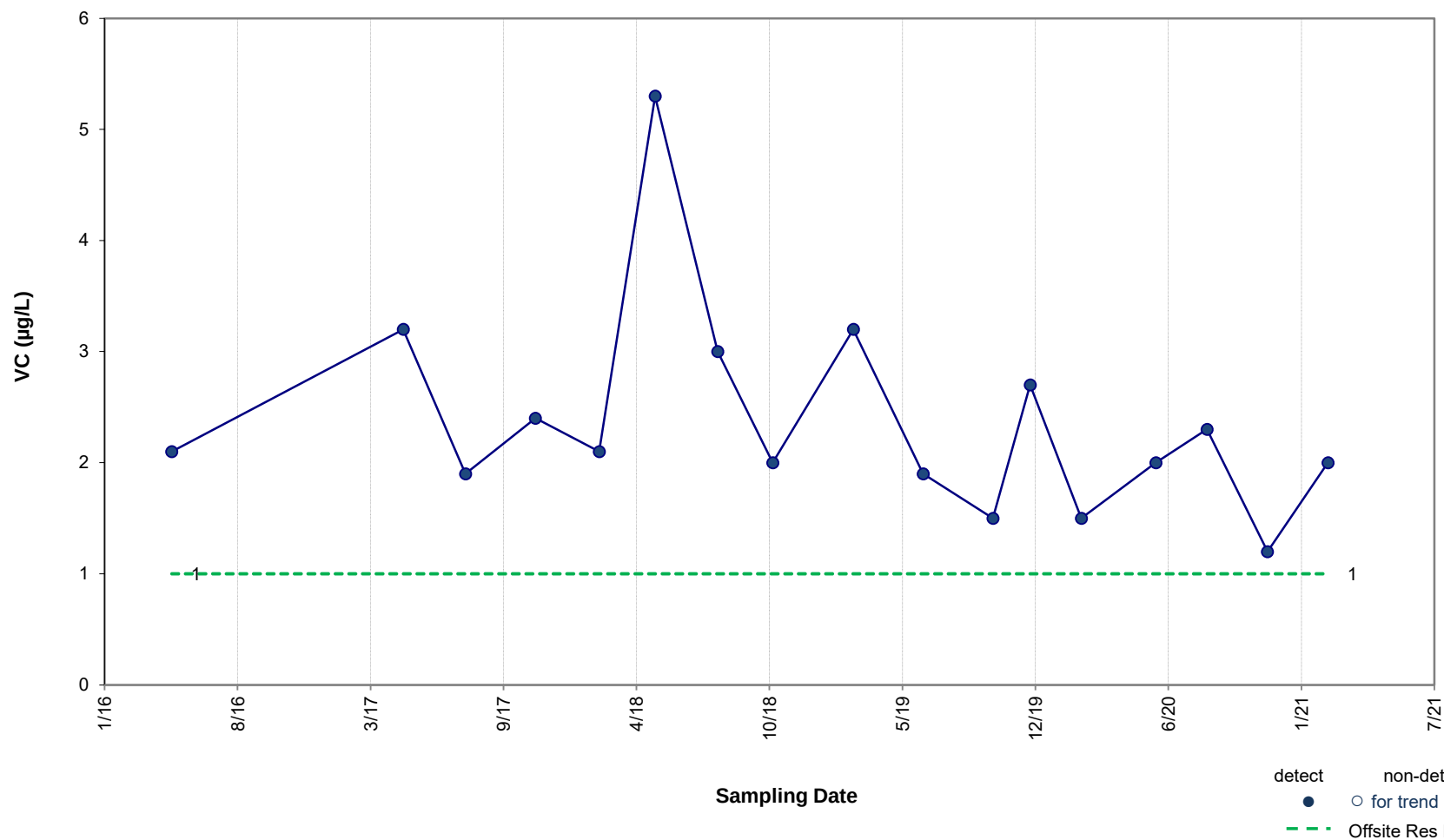
p value = 0.24

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-40
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 15



Results of Mann-Kendall Test for Trend:

DECREASING TREND

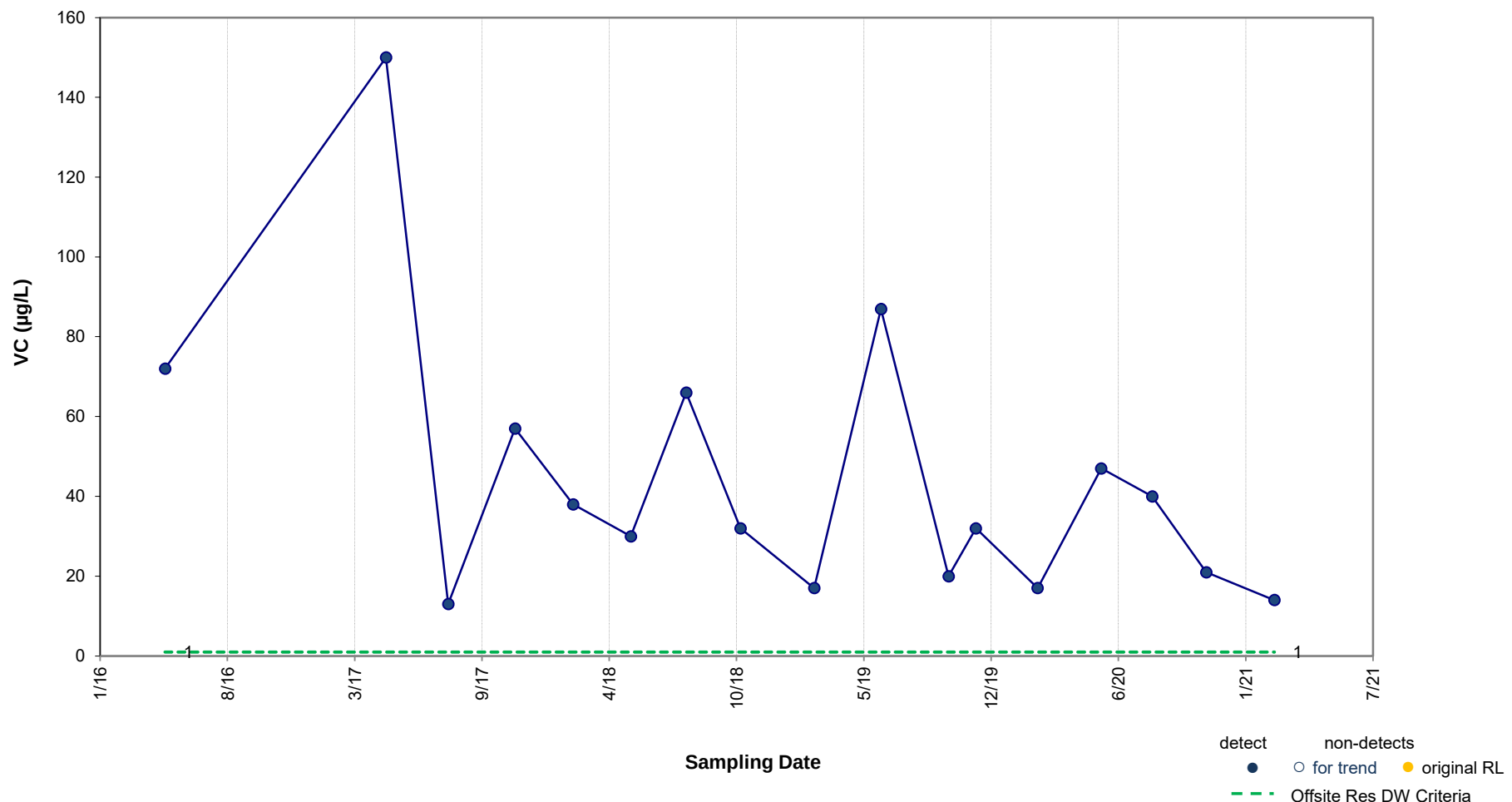
p value = 0.05

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-41
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 16



Results of Mann-Kendall Test for Trend:

DECREASING TREND

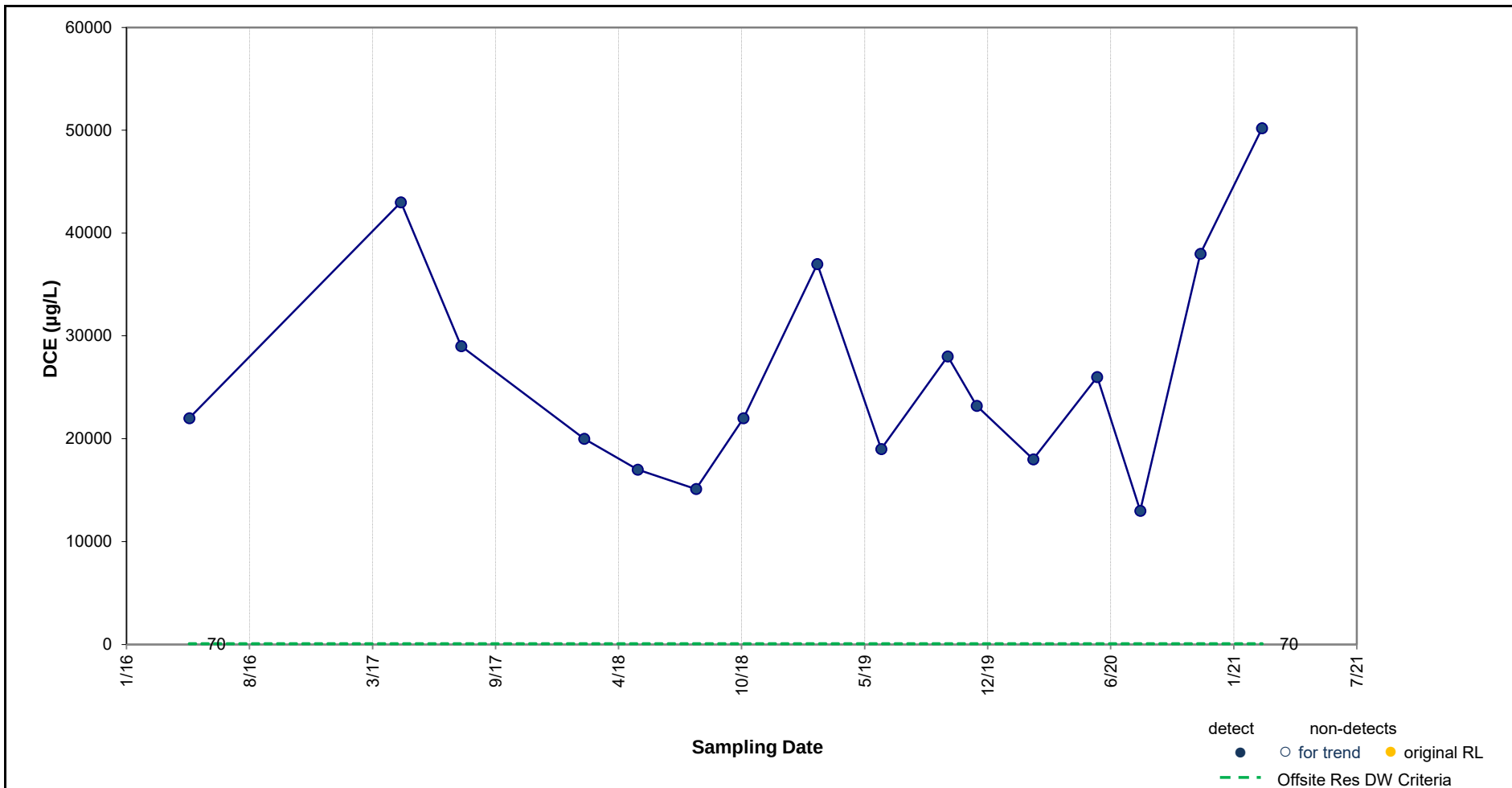
p value = 0.054

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-46
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 17



Results of Mann-Kendall Test for Trend:

No Significant Trend

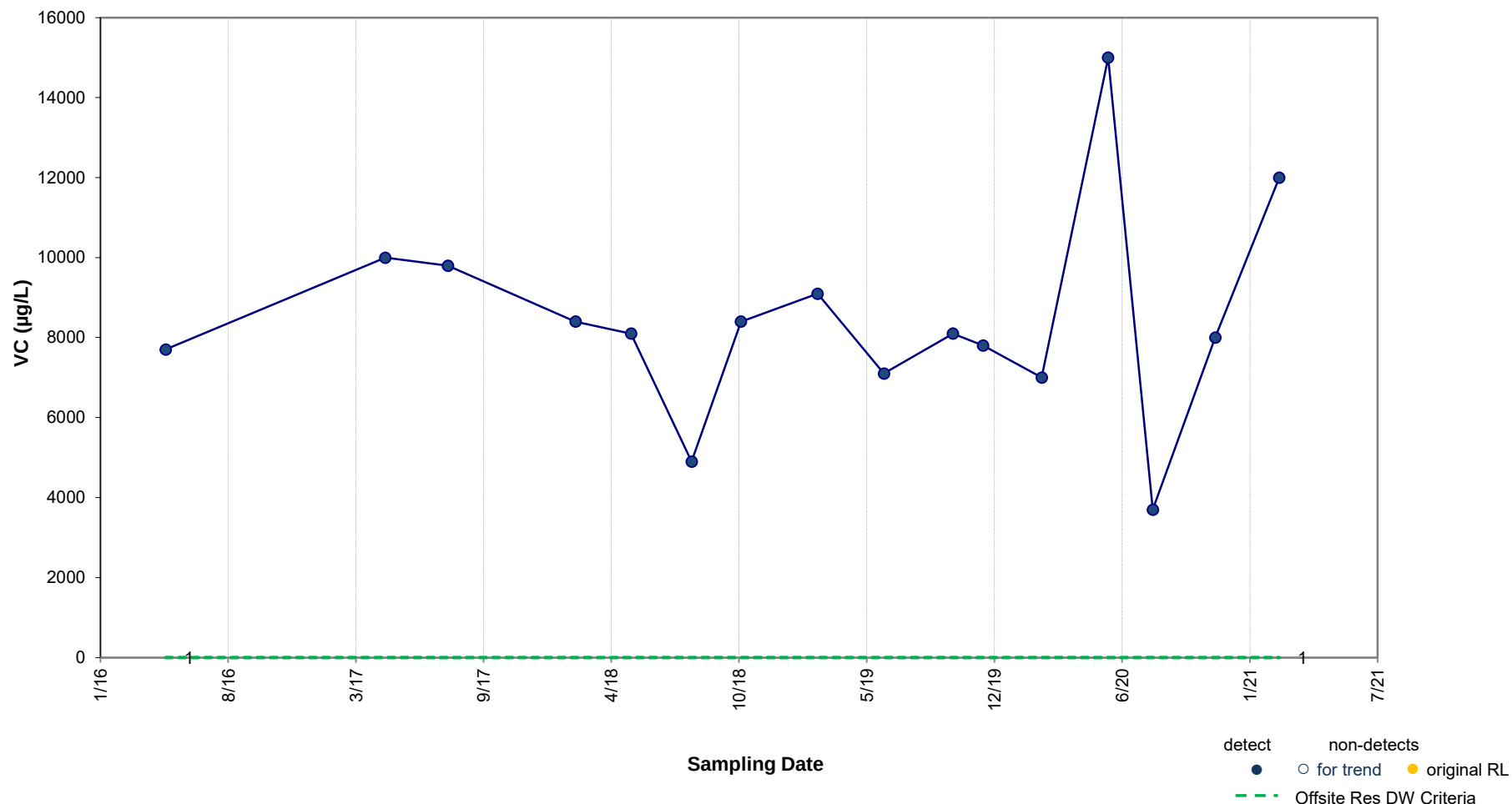
p value = 0.393

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – DCE in MW-49
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 18



Results of Mann-Kendall Test for Trend:

No Significant Trend

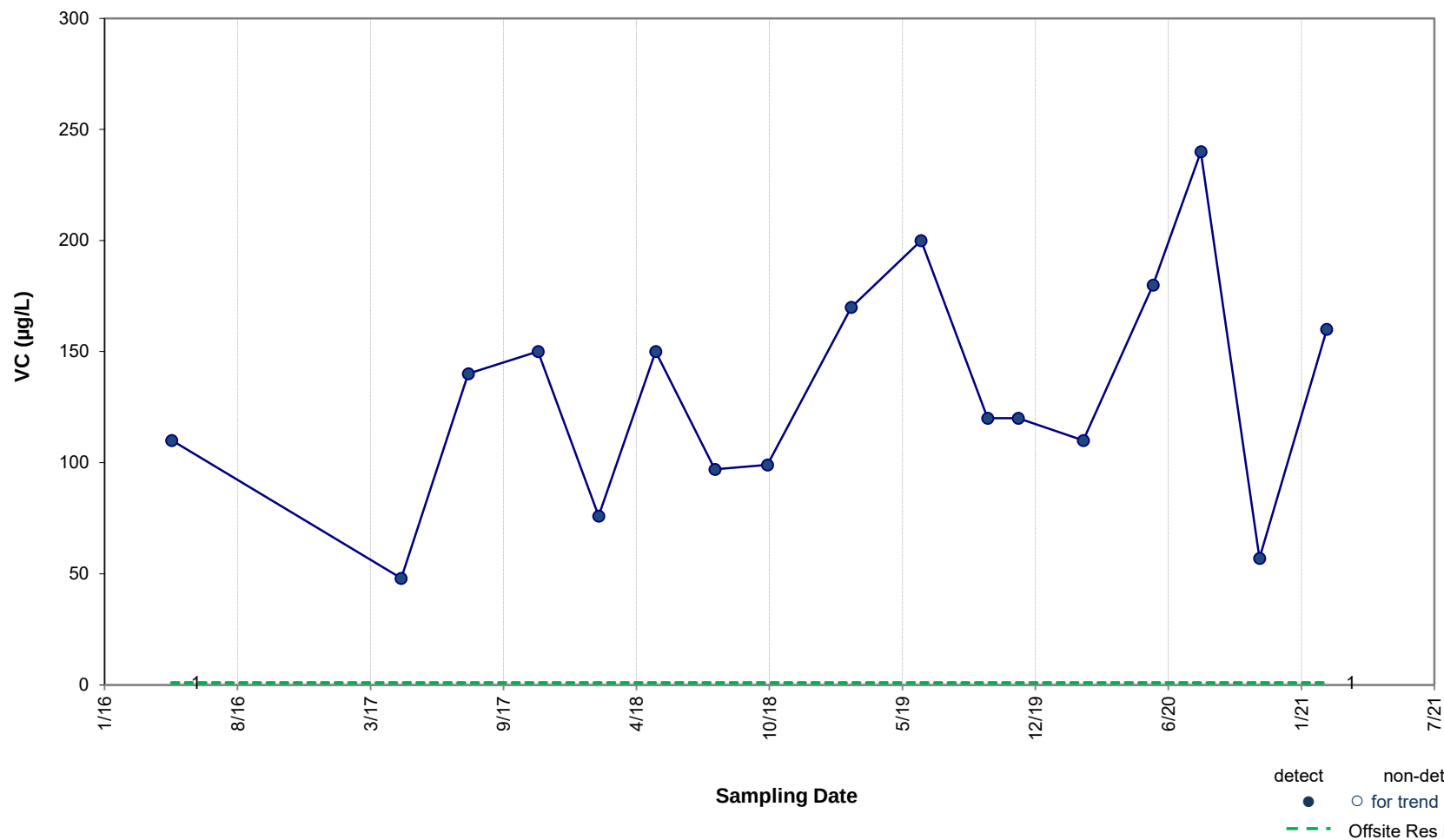
p value = 0.279

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-49
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 19



detect non-detects
 ● ○ for trend ● original RL
 - - - Offsite Res DW Criteria

Results of Mann-Kendall Test for Trend:

INCREASING TREND

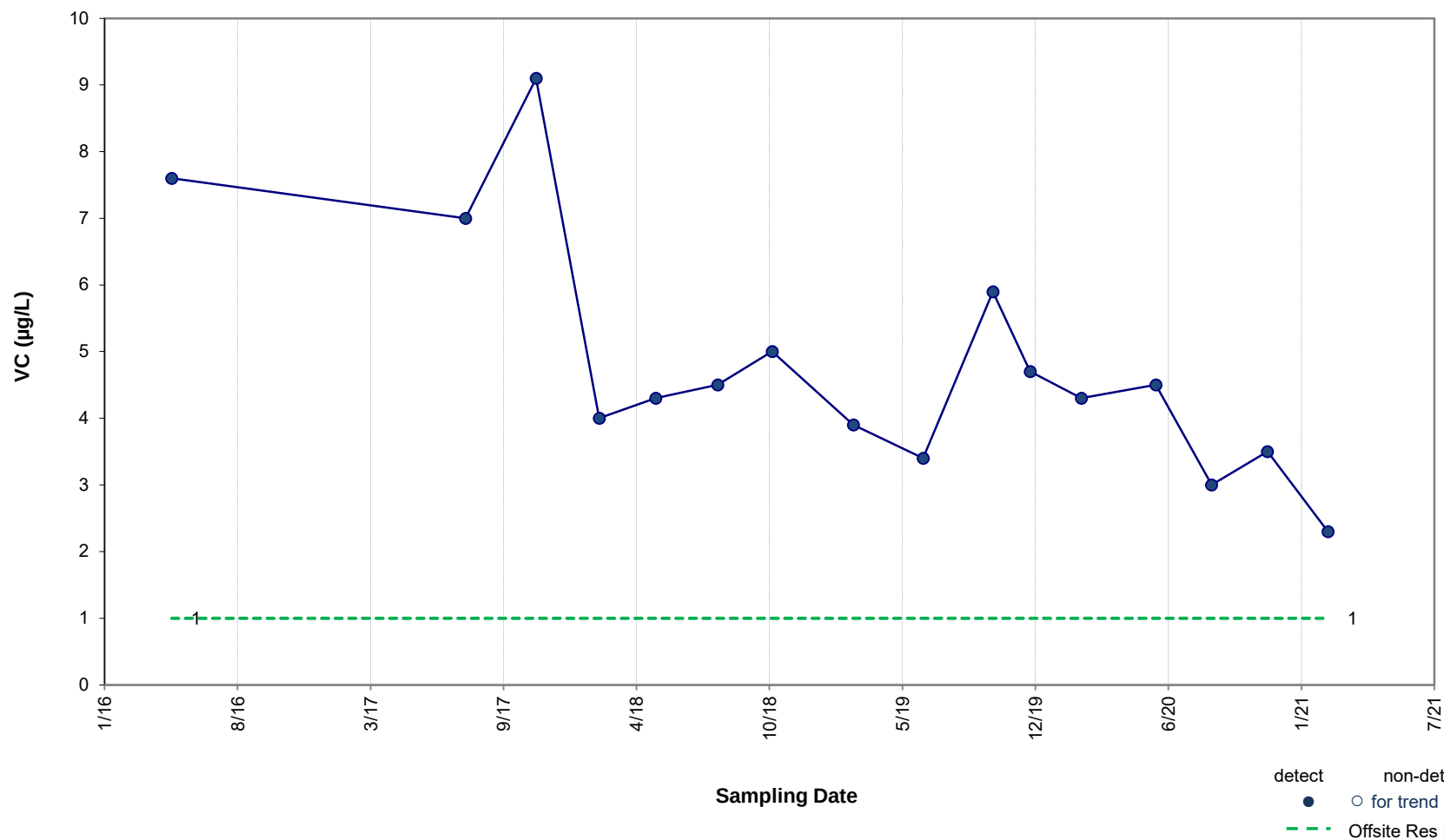
p value = 0.069

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-50
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 20



Results of Mann-Kendall Test for Trend:

DECREASING TREND

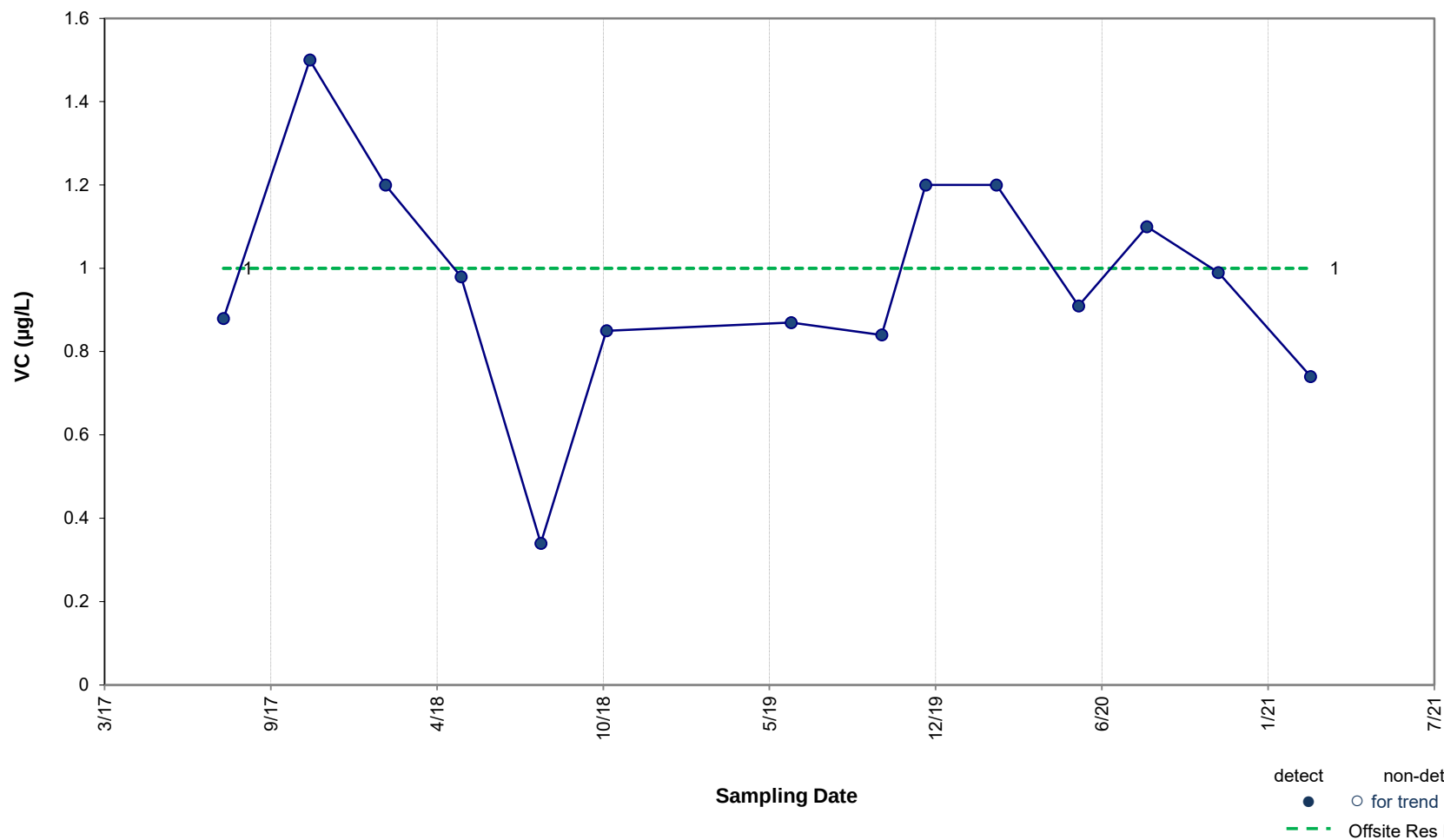
p value = 0.004

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-52
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 21



Results of Mann-Kendall Test for Trend:

No Significant Trend

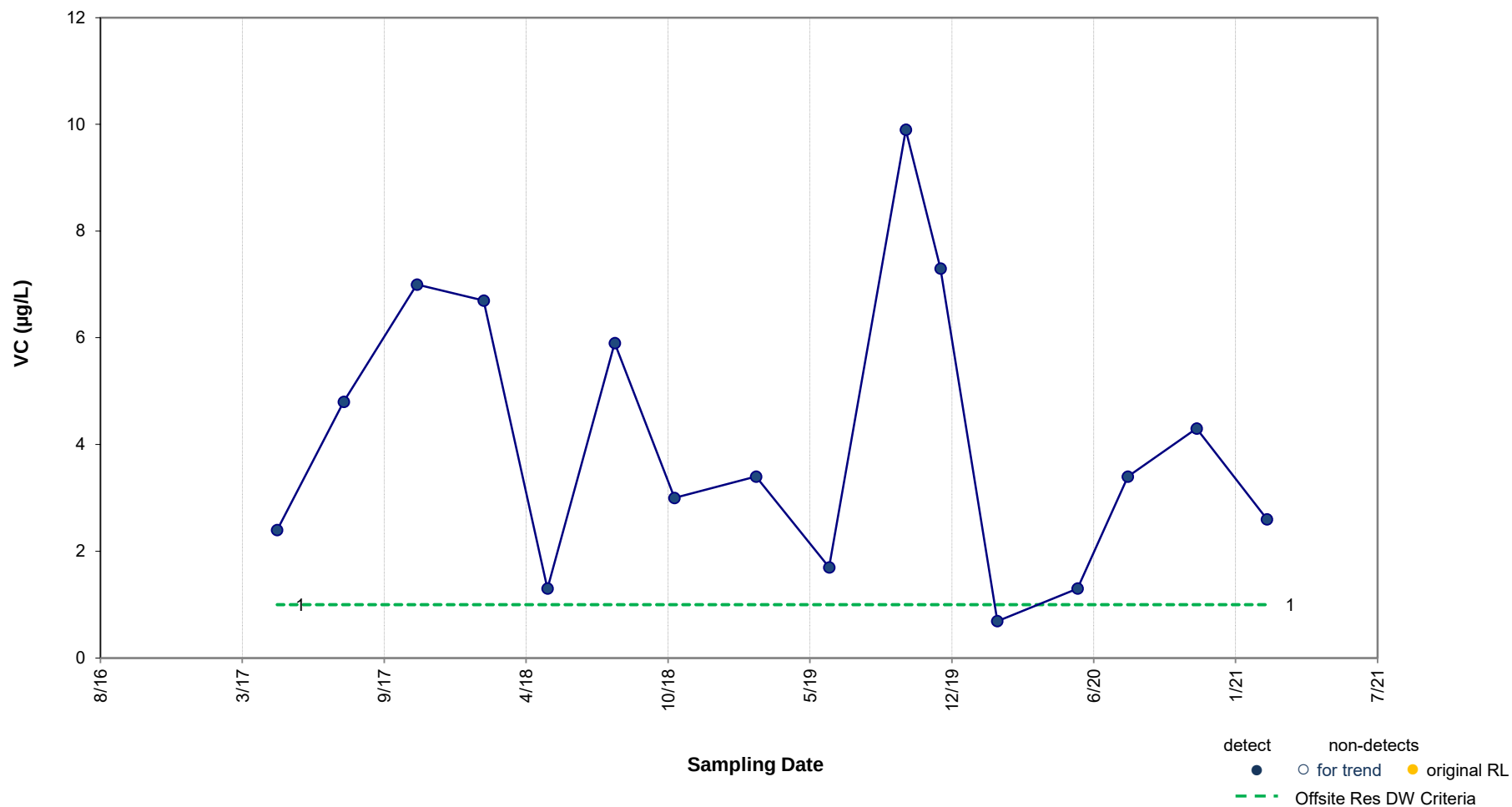
p value = 0.310

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-54
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 22



Results of Mann-Kendall Test for Trend:

No Significant Trend

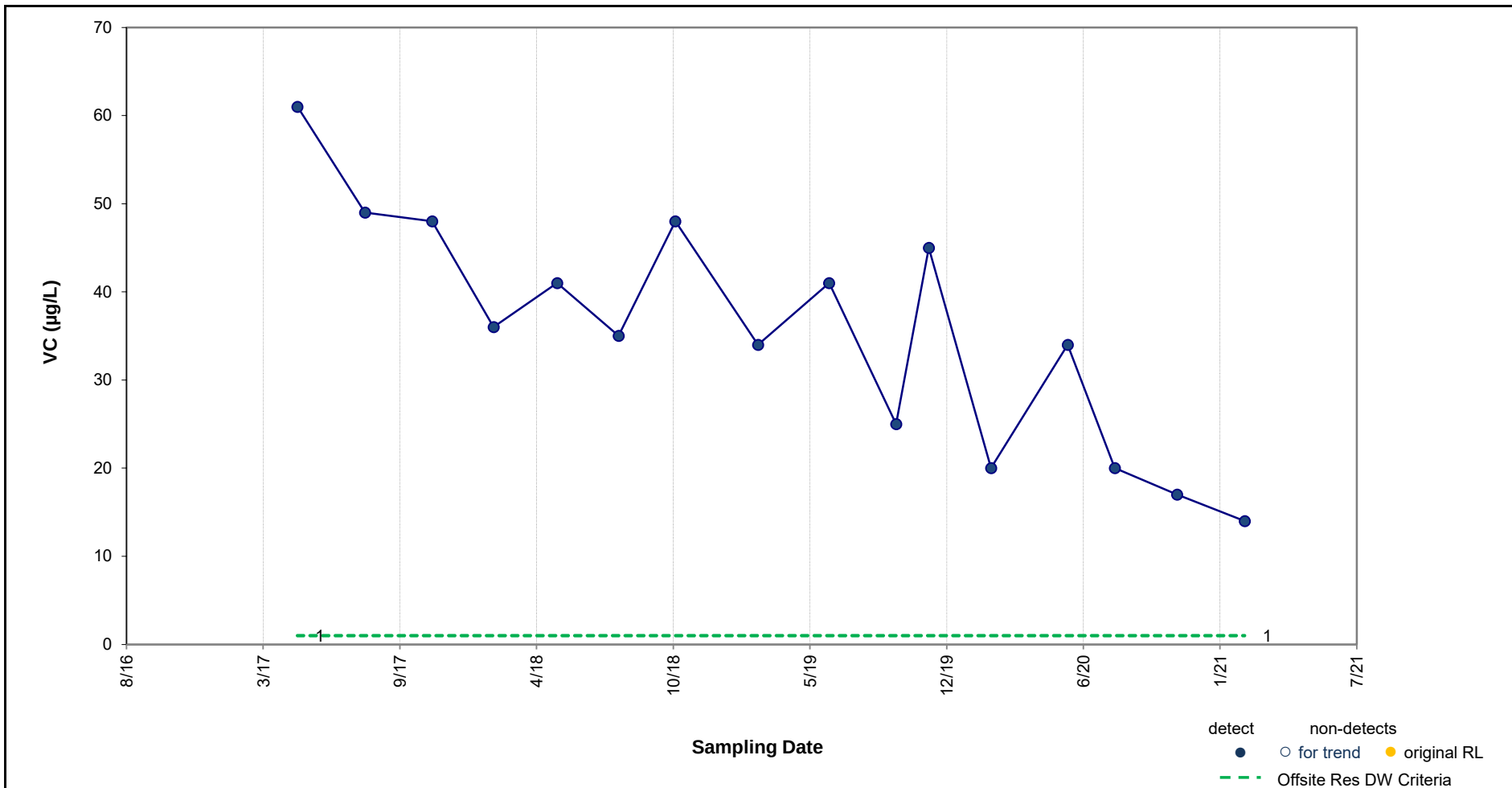
p value = 0.279

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-64
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 23



Results of Mann-Kendall Test for Trend:

DECREASING TREND

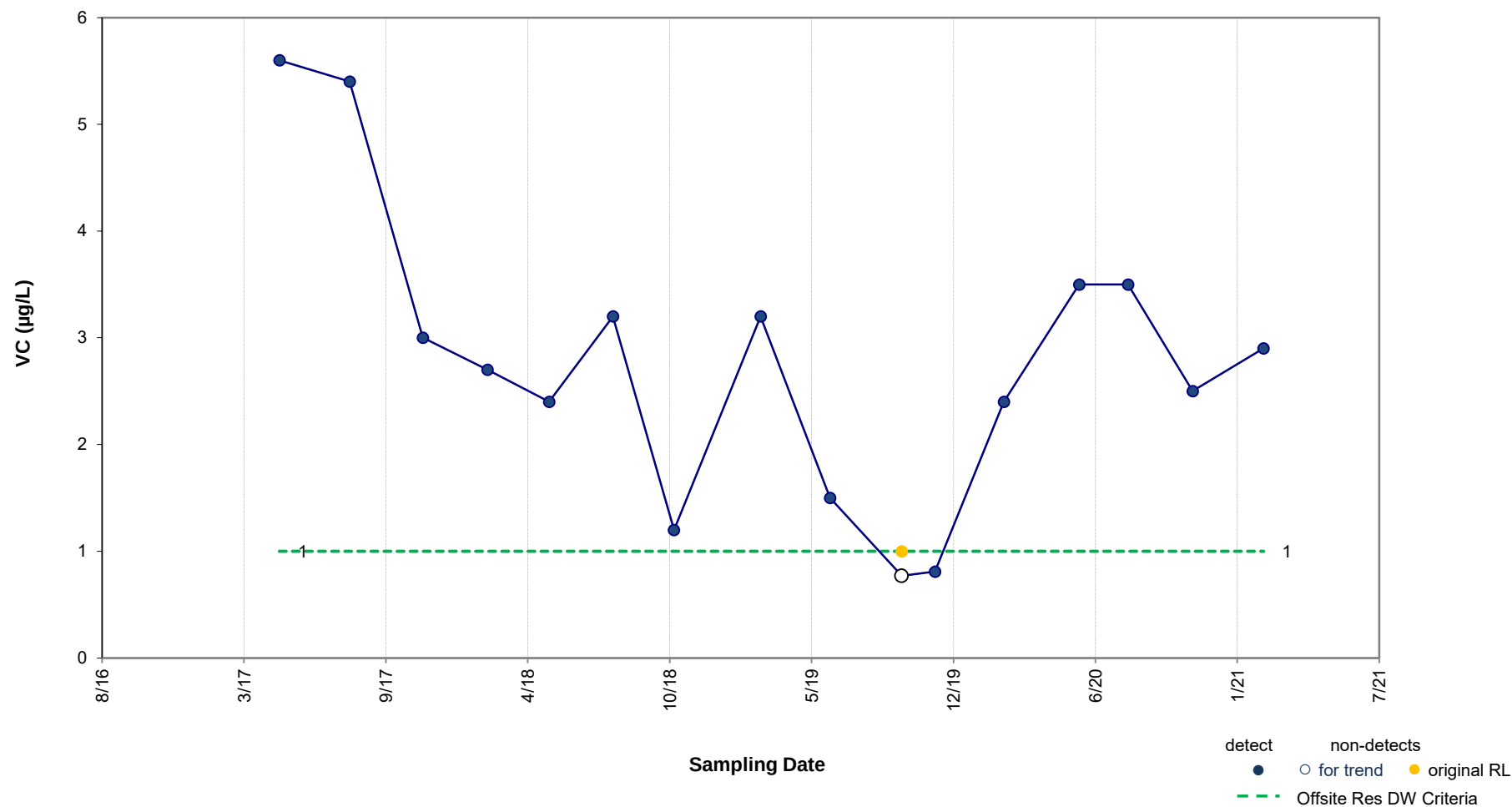
p value = <0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-65
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 24



Results of Mann-Kendall Test for Trend:

No Significant Trend

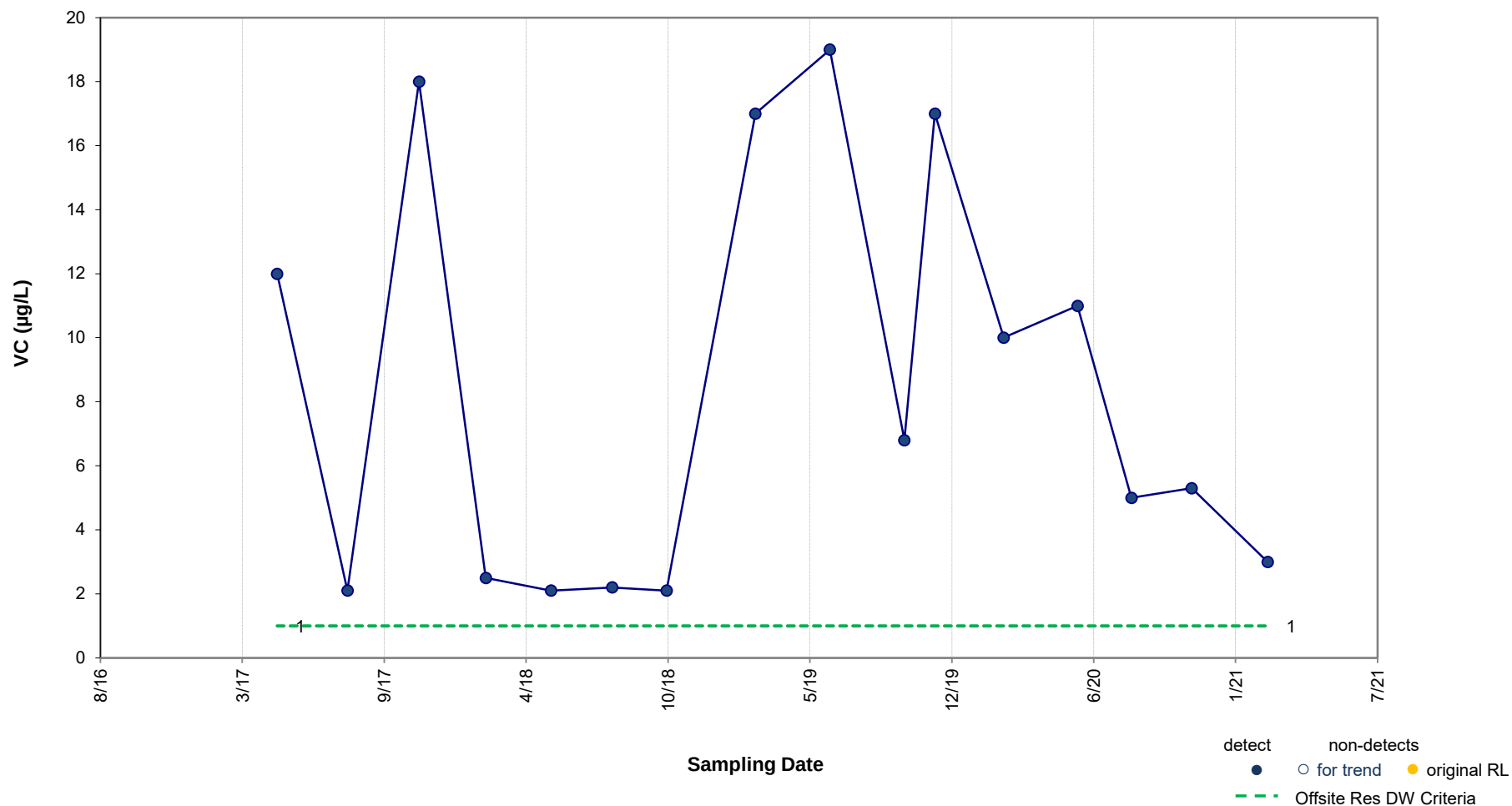
p value = 0.160

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-66
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 25



Results of Mann-Kendall Test for Trend:

No Significant Trend

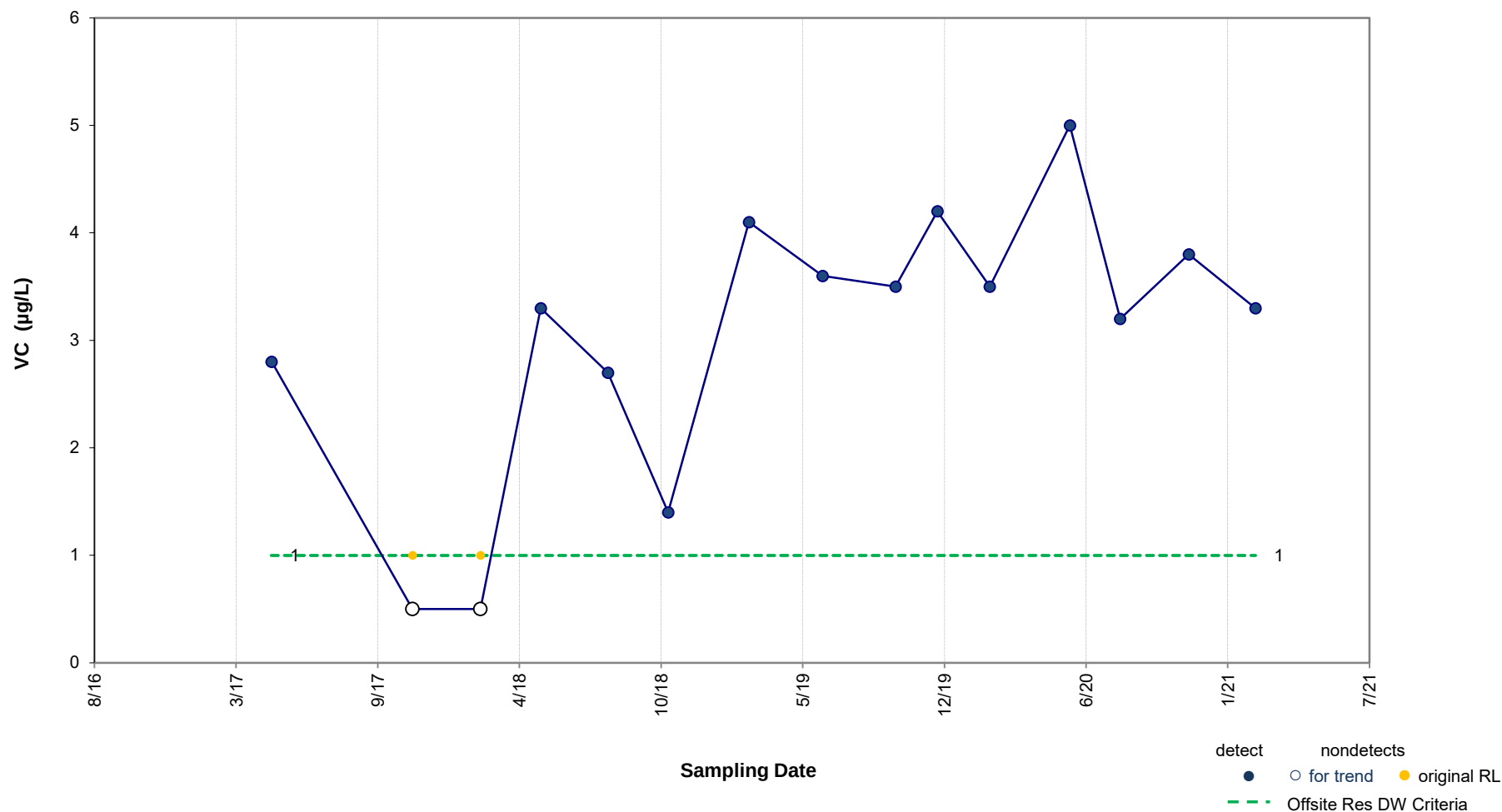
p value = 0.446

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-68
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 26



Results of Mann-Kendall Test for Trend:

INCREASING TREND

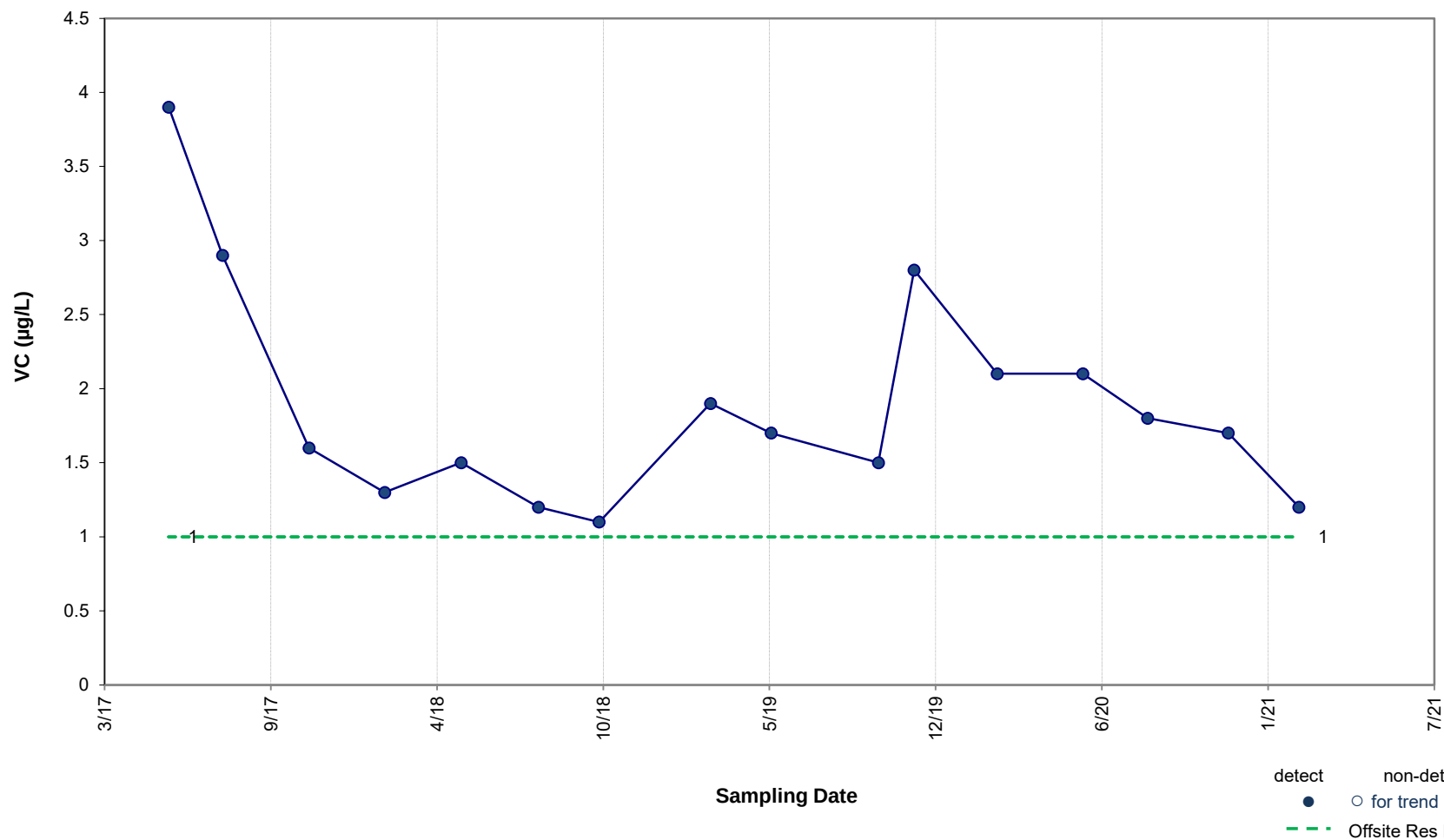
p value = 0.021

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot - VC in MW-69
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 27



Results of Mann-Kendall Test for Trend:

No Significant Trend

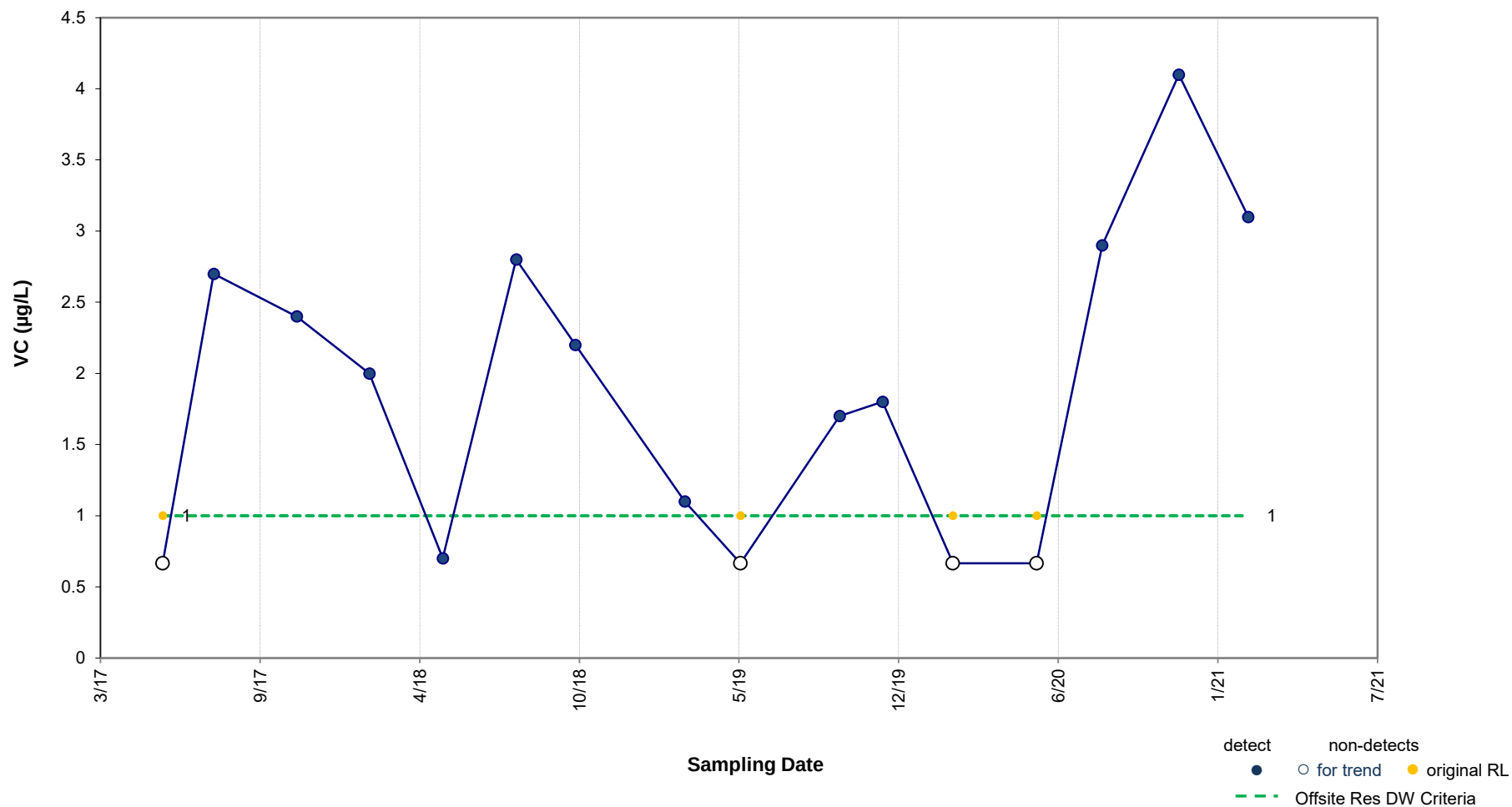
p value = 0.310

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-72
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 28



Results of Mann-Kendall Test for Trend:

No Significant Trend

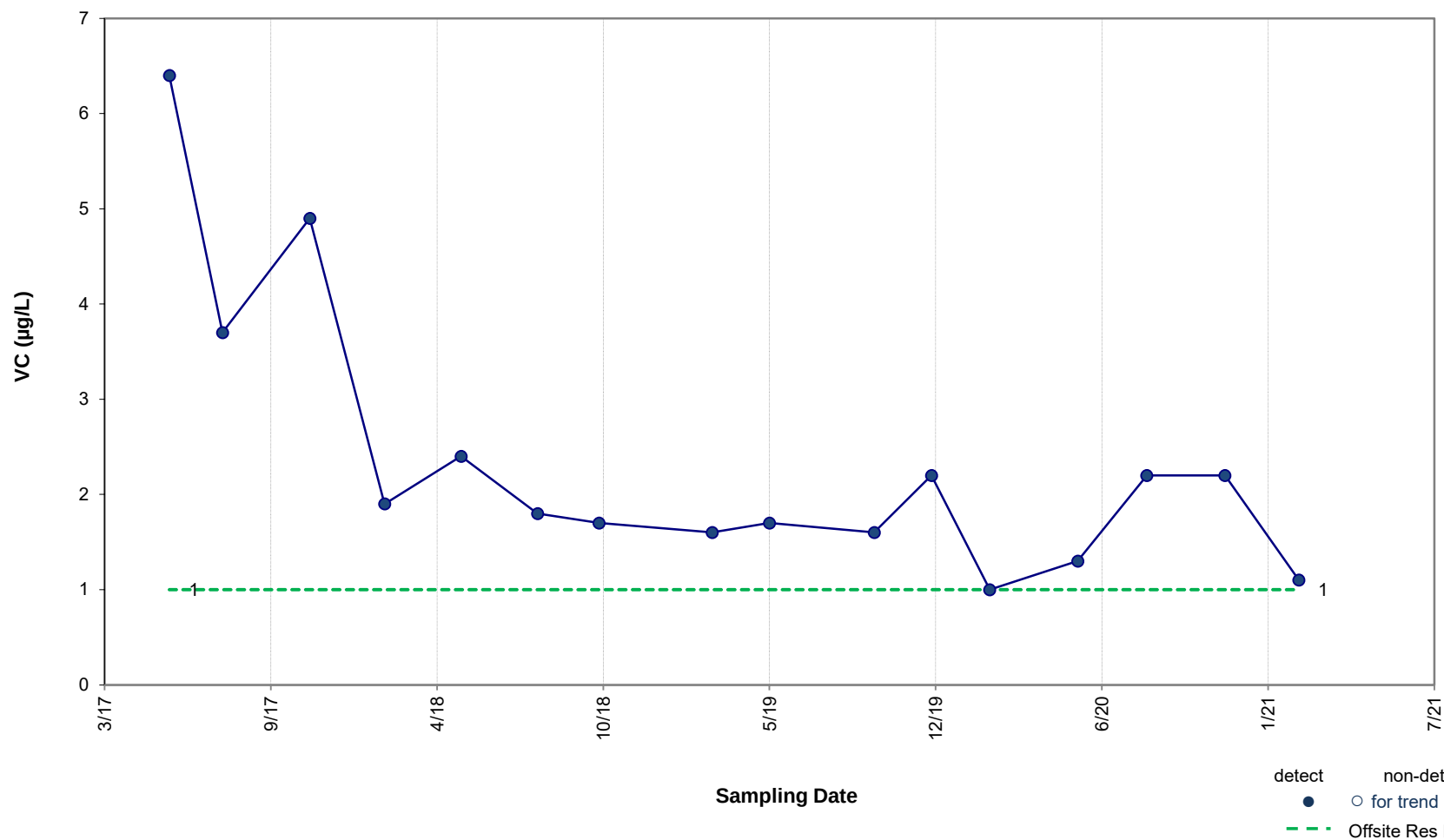
p value = 0.277

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-74
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 29



Results of Mann-Kendall Test for Trend:

DECREASING TREND

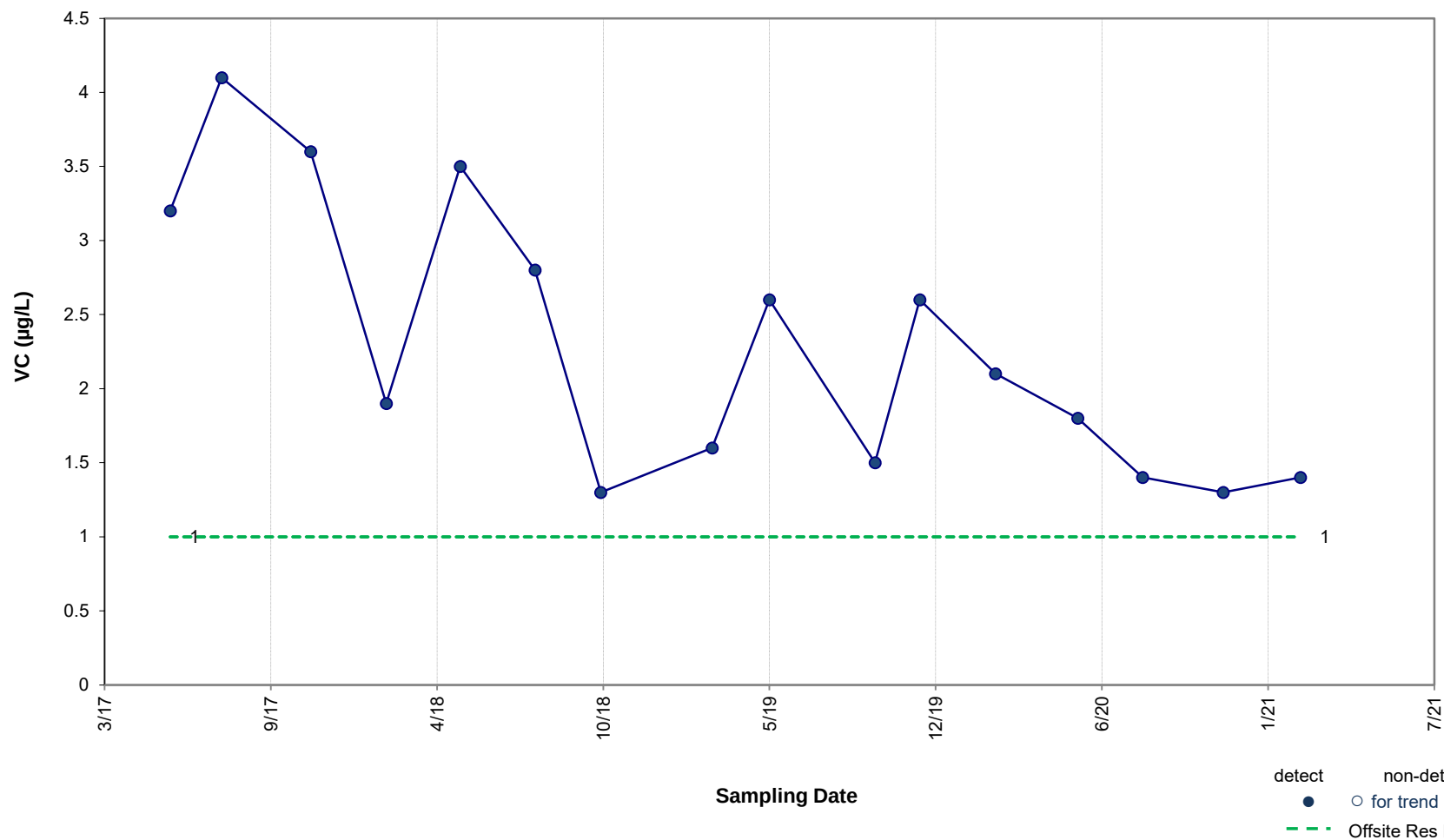
p value = 0.003

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-75D
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 30



Results of Mann-Kendall Test for Trend:

DECREASING TREND

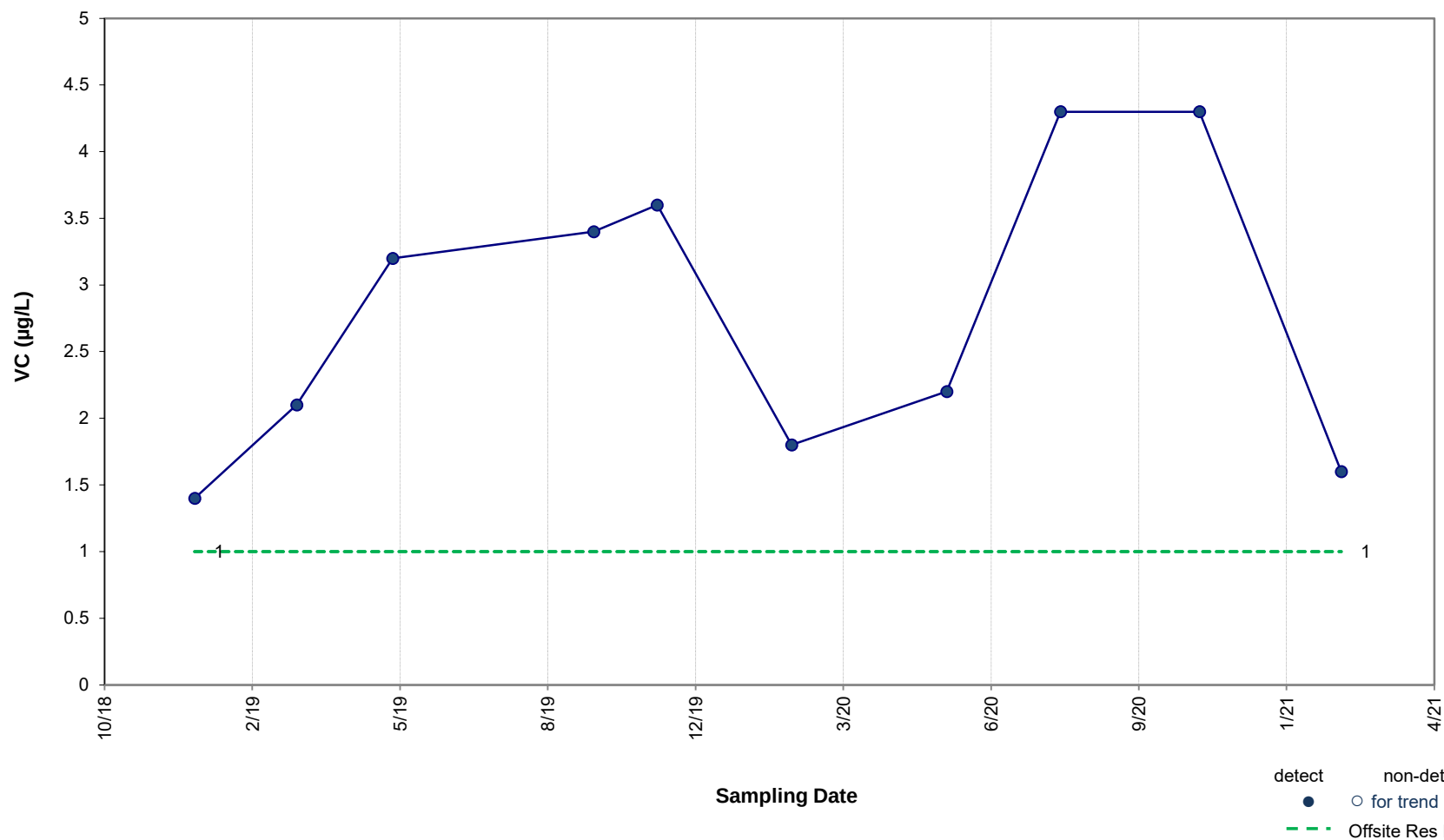
p value = 0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-79D
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 31



Results of Mann-Kendall Test for Trend:

No Significant Trend

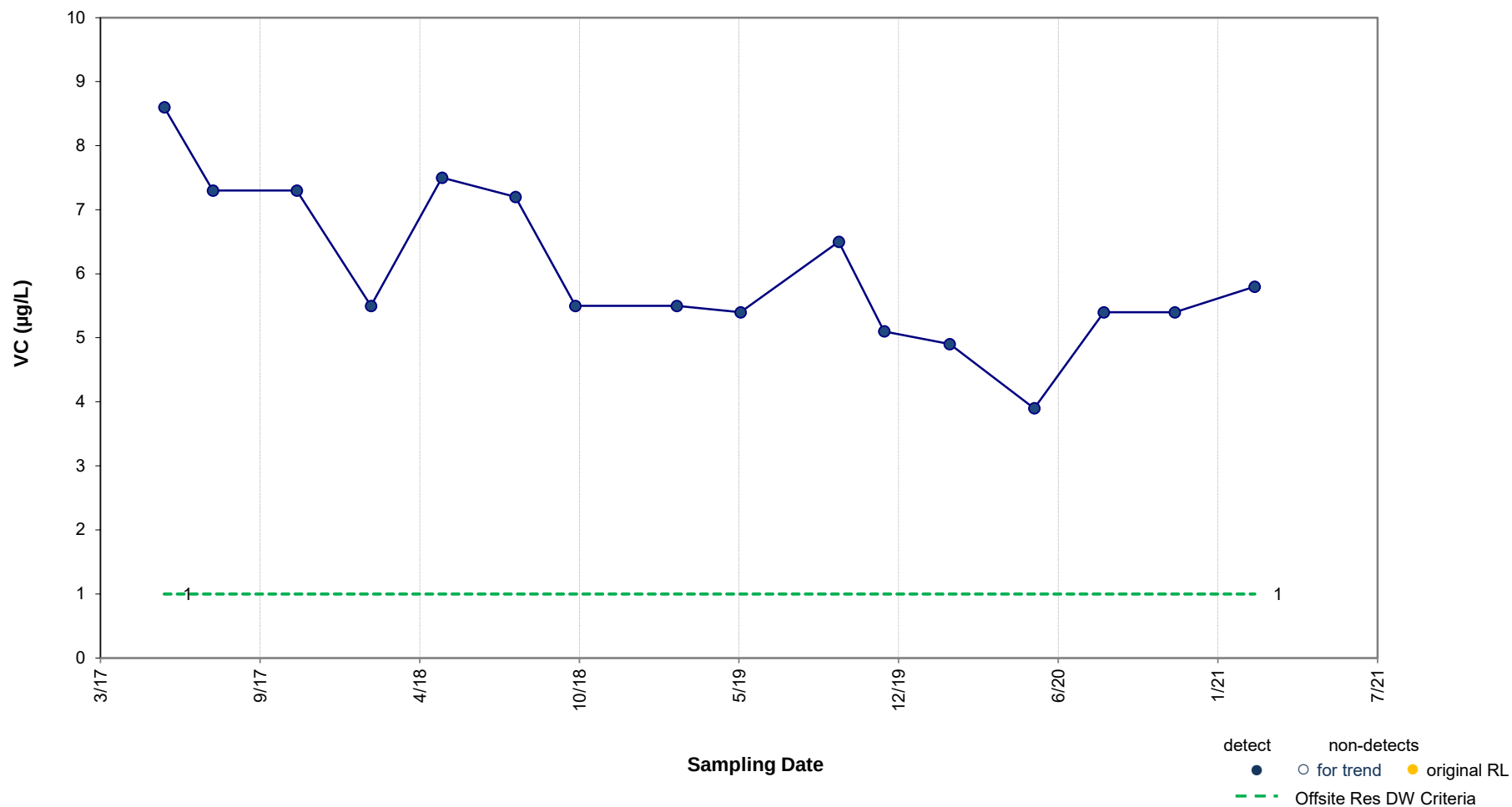
p value = 0.13

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-80SR
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 32



Results of Mann-Kendall Test for Trend:

DECREASING TREND

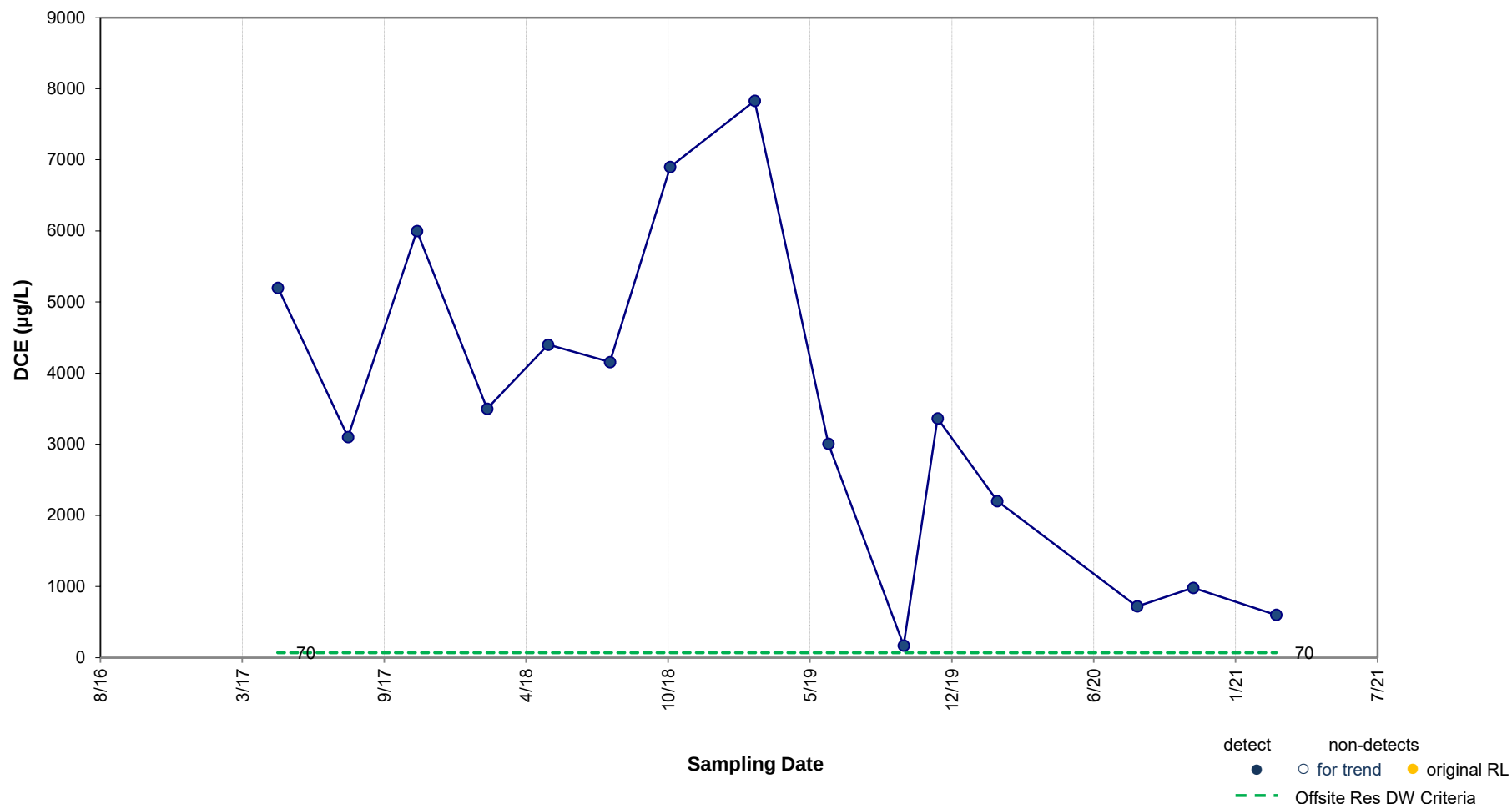
p value = 0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in MW-85
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 33



Results of Mann-Kendall Test for Trend:

DECREASING TREND

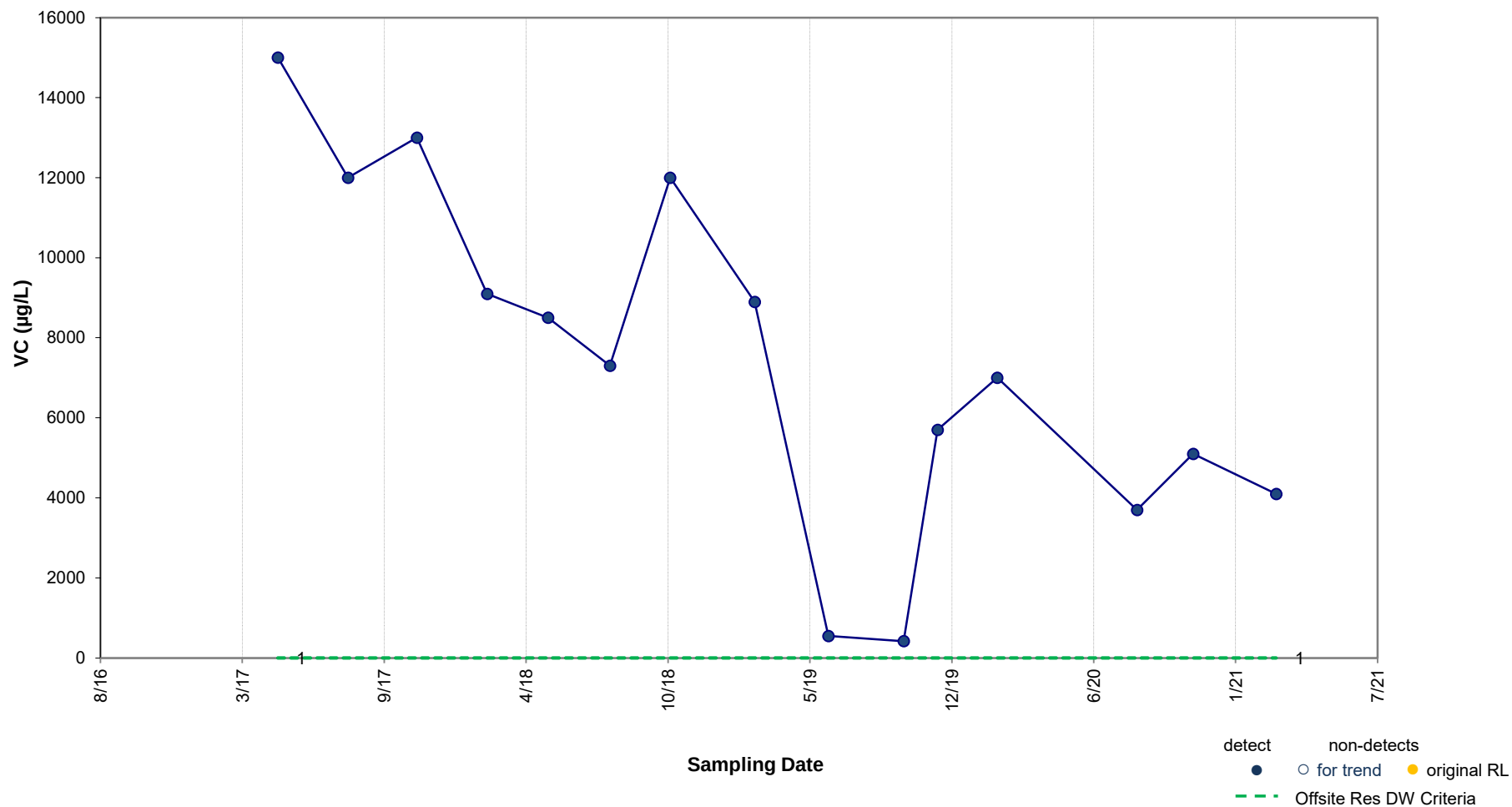
p value = 0.009

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – DCE in TW-16-02
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 34



Results of Mann-Kendall Test for Trend:

DECREASING TREND

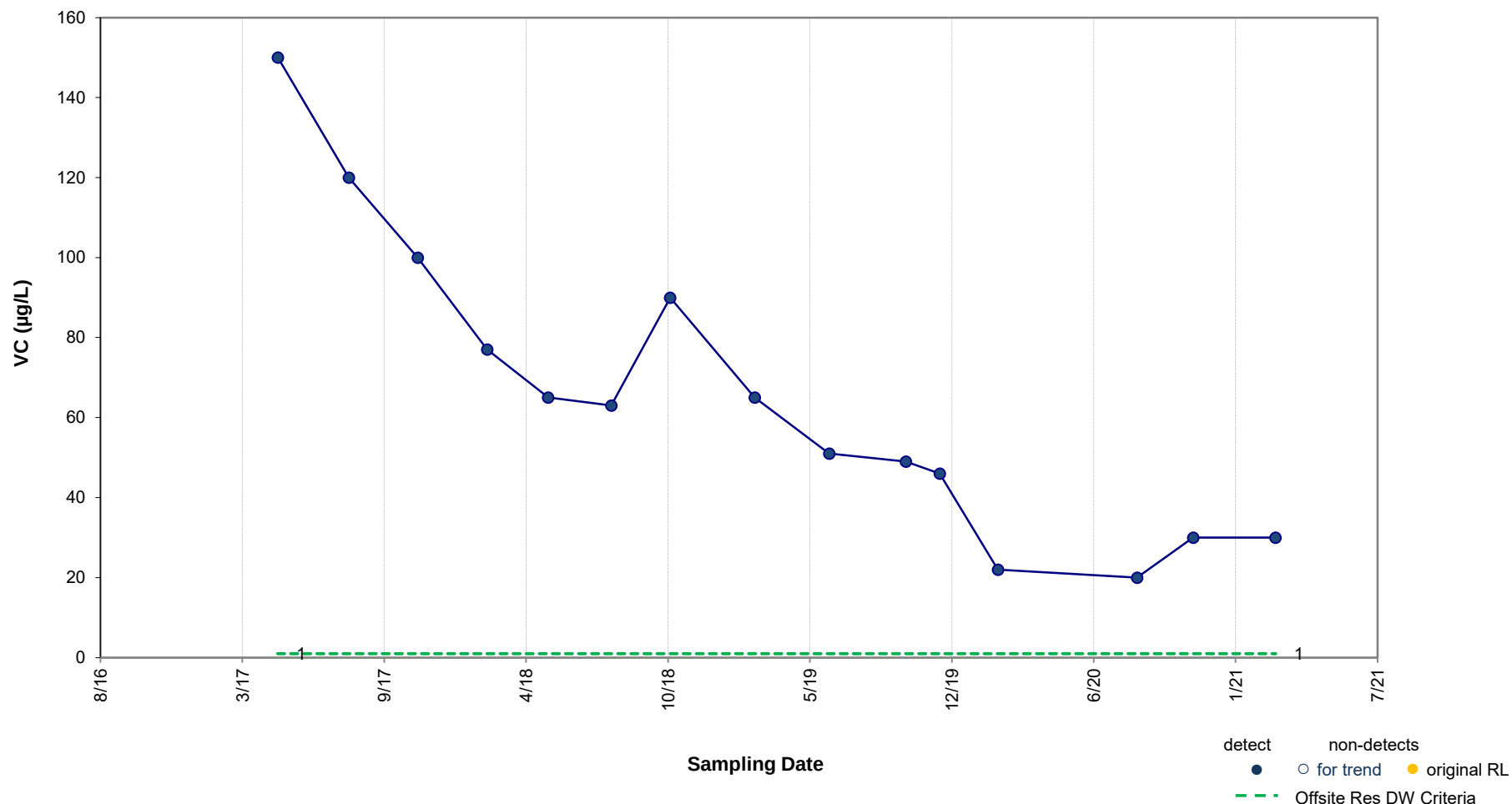
p value = <0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in TW-16-02
 Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 35



Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = <0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Concentration vs. Time Plot – VC in TW-16-04
Ford Motor Company, Livonia Transmission Plant, Livonia, Michigan

Figure 36



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