

TRANSMITTAL LETTER



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Copies:

Date:
January 31, 2021

Subject:
Livonia Transmission Plant
4Q 2020 Progress Report

Arcadis Project No.:
30050315

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Ford Motor Company

QUARTERLY PROGRESS REPORT - 4Q 2020

Livonia Transmission Plant

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January 31, 2021

A large, solid orange geometric shape, resembling a stylized triangle or a section of a circle, is positioned in the bottom right corner of the page. It is composed of two overlapping triangles, creating a diagonal line across its surface. A thin white horizontal line runs across the page, intersecting the orange shape.



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QUARTERLY PROGRESS REPORT - 4Q 2020

Livonia Transmission Plant

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January 31, 2021

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4Q 2020: 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 Routine Samples

Period	Groundwater / Water	Soil / Sediment	Sub-Slab / Soil Gas
4Q 2020	114	0	0
Total since Oct. 2015	1,485	328	593

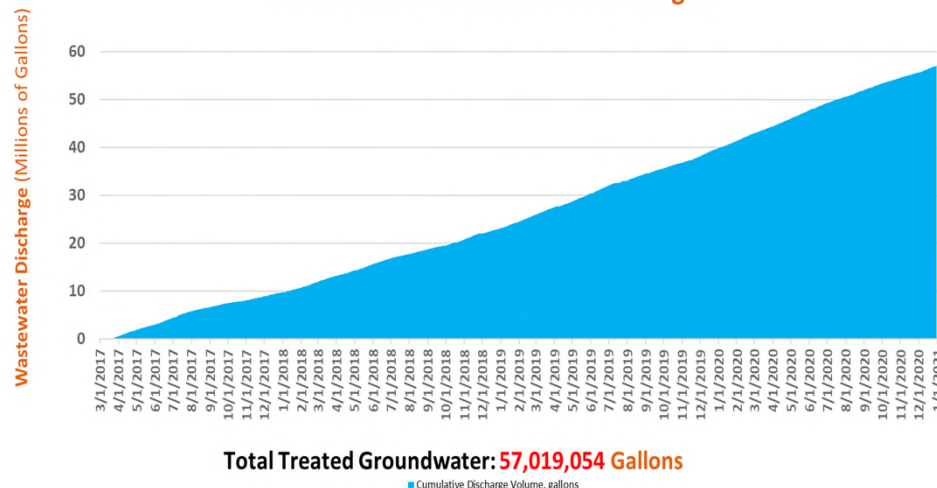
Off-Site

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

Total Off-Site Routine Samples

Period	Groundwater	Soil Gas
4Q 2020	149	0
Total since Oct. 2015	1,437	255

Hydraulic Control System – Through December 2020 Total Treated Groundwater Discharged



Key Dates



2018-2020 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

2018-2020 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

Upcoming Dates 2021

February

Off-Site 1Q 2021
Groundwater Sampling

February

On-Site 1Q 2021
Groundwater Sampling

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Figure 7 – On-Site Monitoring Wells Vinyl Chloride in Groundwater

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

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ACRONYMS AND ABBREVIATIONS

1,1-DCE	1,1-dichloroethene
3Q 2020	third quarter of 2020
4Q 2020	fourth quarter of 2020
AOC	area of concern
Arcadis	Arcadis of Michigan LLC
cis-1,2-DCE	cis-1,2-dichloroethene
DCE	dichloroethane
EGLE	Michigan Department of Environment, Great Lakes, and Energy
Ford	Ford Motor Company
GLWA	Great Lakes Water Authority
gpm	gallon per minute
HCS	hydraulic control system
LTP	Livonia Transmission Plant
µg/L	microgram per liter
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
trans-1,2-DCE	trans-1,2-dichloroethene
USEPA	United States Environmental Protection Agency
VC	vinyl chloride
VI	vapor intrusion
VIAC	Volatilization to Indoor Air Criteria
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), formerly known as the Michigan Department of Environmental Quality, on July 27, 2017 (No: 2:1712372-GAD-RSW). The purpose of this report is to summarize the routine groundwater and 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 fourth quarter of 2020 (4Q 2020), from October 1 through December 31, 2020. Activities described in this 4Q 2020 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 (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (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 4Q 2020 include off-site vapor intrusion (VI) investigation and activities related to the utility corridor investigation, as outlined in the Response Activity Plan - Vapor Intrusion Evaluation (Arcadis 2018a) and the Response Activity Plan - Remedial Investigation (Arcadis 2018b), both dated April 13, 2018, and Response Activity Plan – Utility Corridor Evaluation Revised (Arcadis 2020) dated February 11, 2020. 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 4Q 2020. Details regarding the additional response activities completed in 4Q 2020 are provided below.

Date	Activity	Activities Completed in 4Q 2020	Additional Activities Required (yes or no)
October to December 2020	Additional Off-Site VI Assessment	A total of 97 air samples collected (includes duplicate samples); includes sub-slab, indoor air, and ambient.	Yes

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Date	Activity	Activities Completed in 4Q 2020	Additional Activities Required (yes or no)
December 2020	On-Site and Off-Site Utility Corridor VI Assessment	A total of 41 samples collected (includes duplicate samples), includes liquid, sediment, and ambient.	Yes
October to December 2020	Off-Site Mitigation System Installation	Sub-slab depressurization system installation was completed at one property.	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 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 4Q 2020. Refer to the subsequent sections for further detail on each respective event and associated tables and figures.

Date	Activity	Tables	Figures
October to November 2020	On-Site Groundwater Sampling	1, 2	3, 4, 5, 6, 7, 8
October to November 2020	Off-Site Groundwater Sampling	3, 4	3, 9, 10A, 10B, 11
October to December 2020	HCS Performance Monitoring	5	2, 3, 12A, 12B
October to December 2020	SSDS Performance Monitoring	-	2

2.1 On-Site Groundwater Sampling

Arcadis completed on-site gauging on November 20, 2020. Additional gauging at a subset of on-site monitoring wells was completed on December 17, 2020 to determine the effect of the horizontal well flushing performed in early December. 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 4Q 2020 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 4Q 2020 are provided on **Figure 3**.

On-site groundwater sampling was conducted from October 30 through November 19, 2020 at all wells, excluding 14 on-site light non-aqueous phase liquid wells (LMW-15-01, LMW-15-02, LMW-15-03, LMW-15-04, LMW-15-05, LMW-15-06, LMW-15-07, LMW-15-08, LMW-15-09, LMW-15-10, LMW-20-17, LMW-20-19, LMW-20-25, and LMW-20-28) and monitoring well MW-114. 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 114 on-site monitoring wells into laboratory-supplied bottles and 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 4Q 2020 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 November 20, 2020. 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 4Q 2020 groundwater elevations (ROW monitoring wells only) is 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 October 29 through November 23, 2020. Samples could not be collected from MW-130S, MW-160S, MW-184S, MW-161S, and MW-174S because they were dry. 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 149 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 4Q 2020 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 4Q 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 conveyance network will be expanded to connect the three new suction pits to the existing system building in 2021.

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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 4Q 2020 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 (February/March 2020, May/June 2020, July/August 2020, and October/November 2020) 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 4Q 2020.

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 and TCE were detected during the 4Q 2020 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 (February 2020, May 2020, August 2020, and November 2020) for the off-site monitoring wells to the east of the site property boundary are provided on **Figures 9, 10A, and 11**, respectively. Other site-specific compounds (i.e., cis-1,2-DCE, 1,4-dioxane, 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 4Q 2020.

Additional off-site groundwater sampling was completed northwest of the site to monitor impacts associated with the properties west of the facility and other upgradient potential source areas. The monitoring wells are located on a commercial property and city ROWs; therefore, the results were compared to the site-specific Non-residential Volatilization to Indoor Air Criteria (VIAC) adjusted for 12-hour work-day exposure. Only TCE was detected at concentrations above the Non-residential VIAC (210 µg/L for TCE). 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, and 1,4-dioxane were also detected in the upgradient monitoring wells, but at concentrations below the Non-residential VIAC. Groundwater analytical results for the northwest area are summarized in **Table 5**. A summary of the TCE impacts in groundwater for the northwest area is shown on **Figure 10B**.

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 3,363 indoor air, ambient air, and sub-slab soil vapor samples (including duplicate samples) have been collected at residential and commercial properties. Additionally, 59 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 6**). 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. The majority of the downtime was to facilitate routine maintenance. The system operated with an uptime of 98.4 percent during 4Q 2020.

QUARTERLY PROGRESS REPORT – 4Q 2020

Exhibit 1: HCS Shutdown Summary

Date of Shutdown	Duration of Shutdowns	Summary of Shutdown
October 29, 2020	2.57 hours	System shut down to complete power cycling for system programming updates, replace HMI screen with new unit by MKE, and to facilitate installation of new bag filter housing at effluent.
October 30, 2020	5.12 hours	System shut down to install new filter on lead carbon vessel.
December 7, 2020	3.73 hours	System shut down to perform backwashing on the lead carbon vessel. Field staff completed backwashing, and the HCS resumed normal operation the same day.
December 27, 2020 through December 28, 2020	23.53 hours	High sump alarm shut down system. Field staff mobilized to site to restart system.

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 6** for the 4Q 2020 reporting period. The total volume of water collected and treated from system startup on March 15, 2017 through 4Q 2020 is 57,019,054 gallons.

Exhibit 2: HCS Treated Discharge Water Volume and Flow Rate Summary – 4Q 2020

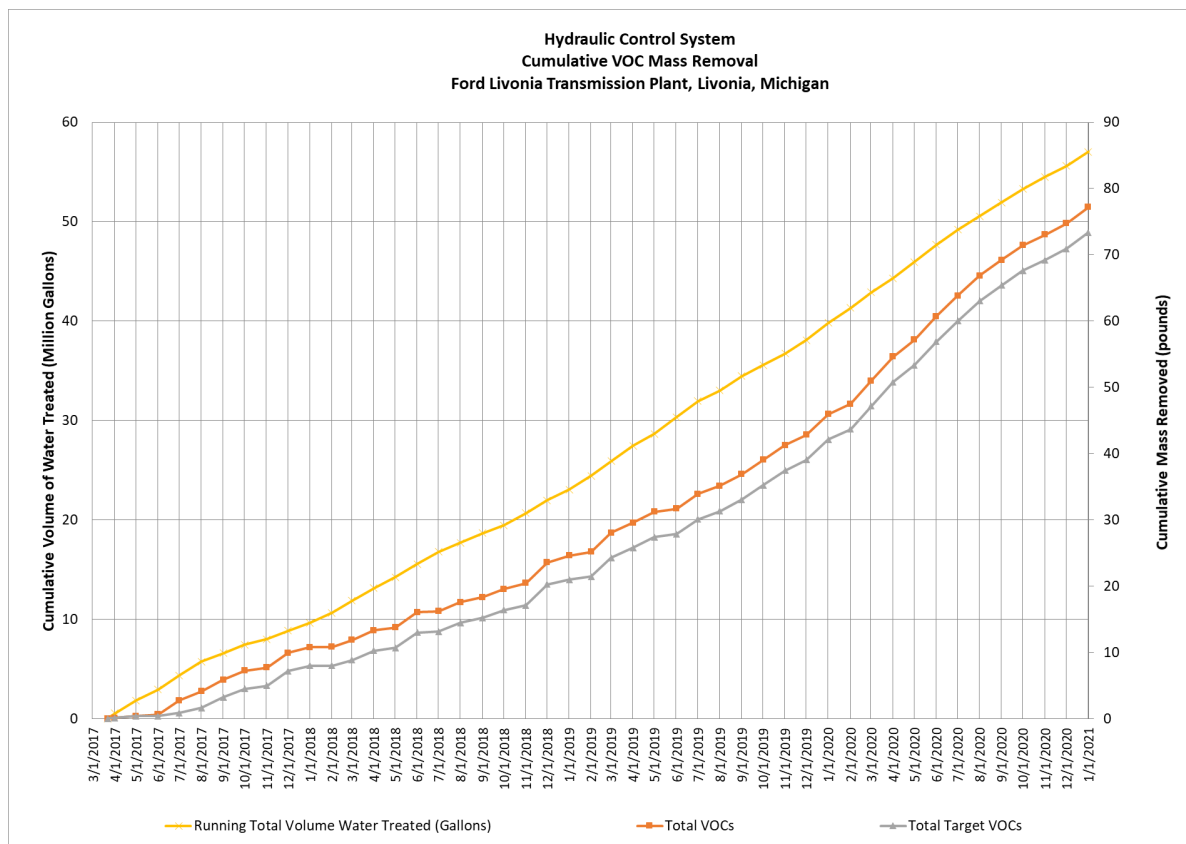
Month	Volume Treated (gallons)	Average Operational Flow Rate* (gallons per minute)
October	1,209,654	27
November	1,099,240	25
December	1,421,234	33

Note:

*Treated volume divided by operating time.

Exhibit 3 depicts the cumulative constituent-specific mass removal of VOCs through the 4Q 2020 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 – 4Q 2020



3.4.2 Maintenance Activities

Routine maintenance is required for effective operation of the HCS equipment and groundwater extraction. In 4Q 2020, all four horizontal wells were flushed to maintain pumping capacity. Ellingson-DTD (formerly Directed Technologies Drilling) was contracted to clean the extraction well screens and casings by flushing potable water through the wells to flush out sediment and biofouling material. Each horizontal well was flushed with approximately 3,000 to 10,000 gallons of water at a flow rate of approximately 200 gallons per minute (gpm). Post-flushing video inspections were completed to ensure that flushing was successful. The videos showed that the well screen slots were more visible, and the majority of the loose material in the wells had been removed.

Additional maintenance in 4Q 2020 included routine bag filter changes, system cleanings, programming updates, and carbon backwashing.

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:

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

Aquifer response and well efficiency improved in 4Q 2020 after the flushing event. Pumping rates increased overall, and the inward hydraulic gradient improved, primarily around the southern half of the HCS system, between November and December as discussed below.

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 gpm over the course of system operation) are consistent with the range of ambient groundwater flux rate calculated for the site. As shown on **Figure 3**, the hydraulic gradient west of the HCS is steep as groundwater approaches the HCS system, and then exhibits a deflection around the three northern HCS wells (ESD-1, ESD-2, and ESD-3) with an inward gradient shown to the south around ESD-4. 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 before the flushing event on November 20, 2020 and after the flushing event on December 17, 2020. The well triplets and calculated flow vectors are shown on **Figures 12A** and **12B**. The November gradient map shows that flow near the northern portion of the system (ESD-1 and ESD-2) is easterly, and flow is deflected southerly near ESD-3 and inward near ESD-4. The December gradient map shows improvement in hydraulic capture, primarily due to increased well efficiency and higher maintained pumping rates. Flow in December was still easterly in the northern portion of ESD-1 but turns more south-southeasterly near the southern portion of ESD-1. Flow is southeasterly near the northern portion of ESD-2 but turns north-northeasterly near the midsection of ESD-2 before returning to a southeasterly direction near the southern portion of ESD-2. Flow is south-southwesterly near ESD-3 and inward near ESD-4. Overall, the pumping rates and deflection of groundwater gradient are consistent with the removal of the expected 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 the 4Q 2020 event further confounds 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. Dense utilities in the area limit safe drilling locations (particularly near ESD-1) and monitoring well spacing near the ESD wells is maintained to avoid striking the HCS system during drilling (i.e., ESD horizontal locations are +/- 5 feet).

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- HCS well efficiency also tends to decrease with time, and regular maintenance is required to maintain optimum performance. The ESD wells were flushed and redeveloped during 4Q 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 and piezometers 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.
- 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 4Q 2020 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 16 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). 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 dichloroethane (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 November 2020. 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) are statistically significantly decreasing or show 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 are statistically significantly decreasing, except for MW-50 immediately adjacent to ESD-1, which shows a statistically significant increasing trend.
- Downgradient from the HCS (on site): Concentrations of VC at each monitoring well located downgradient from the HCS system exhibit no statistically significant trend, except for MW-41 and MW-52, which show statistically significant decreasing trends, and MW-69, which shows a statistically significant increasing trend.
 - Monitoring well MW-69 has fluctuated between <1 and 5.0 µg/L since April 2017. Since February 2019, the quarterly results have been relatively stable with concentrations ranging from 3.2 to 5.0 µg/L. The result during the 4Q 2020 event was 3.8 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 and MW-74 show no significant trend, and MW-73SR and MW-73D did not meet the criteria for trend analysis. Concentrations of VC at MW-80SR show a statistically significant increasing trend.
 - VC concentrations at MW-75D decreased from 6.4 µg/L in May 2017 to 2.2 µg/L in November 2020.
 - VC concentrations at MW-79D decreased from 4.1 µg/L in July 2017 to 1.3 µg/L in November 2020.

- VC concentrations of MW-85 decreased from 8.6 µg/L in May 2017 to 5.4 µg/L in November 2020.
- VC concentrations of MW-80SR have increased from 1.5 µg/L in December 2018 to 4.3 µg/L in November 2020. The concentration of VC at this location was 1.5 µg/L in February 2020 and 2.0 µg/L in April 2020 before increasing in August 2020.

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, VC at MW-50) and two downgradient monitoring wells with increasing concentrations of VC (MW-69 and MW-80SR), the observations and measurements to date indicate that the groundwater impacts are stable and/or statistically significantly decreasing. 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** below 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 6 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

In addition, 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 4Q 2020 reporting period are presented in **Table 6**.

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. Therefore, the catalytic oxidizer that had been used as an air emission control measure for the vapor discharge of the air stripper is no longer needed and was decommissioned at the end of 3Q 2020. The system now operates under the Rule 291 exemption, with annual vapor sampling and monthly water sampling to evaluate Rule 291 compliance. Vapor samples were collected and analyzed for VOCs using the USEPA Method TO-15 on October 6, 2020. 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. All vapor emissions have been within discharge limits since system startup. Rule 290 emissions calculations are documented monthly and available upon request.

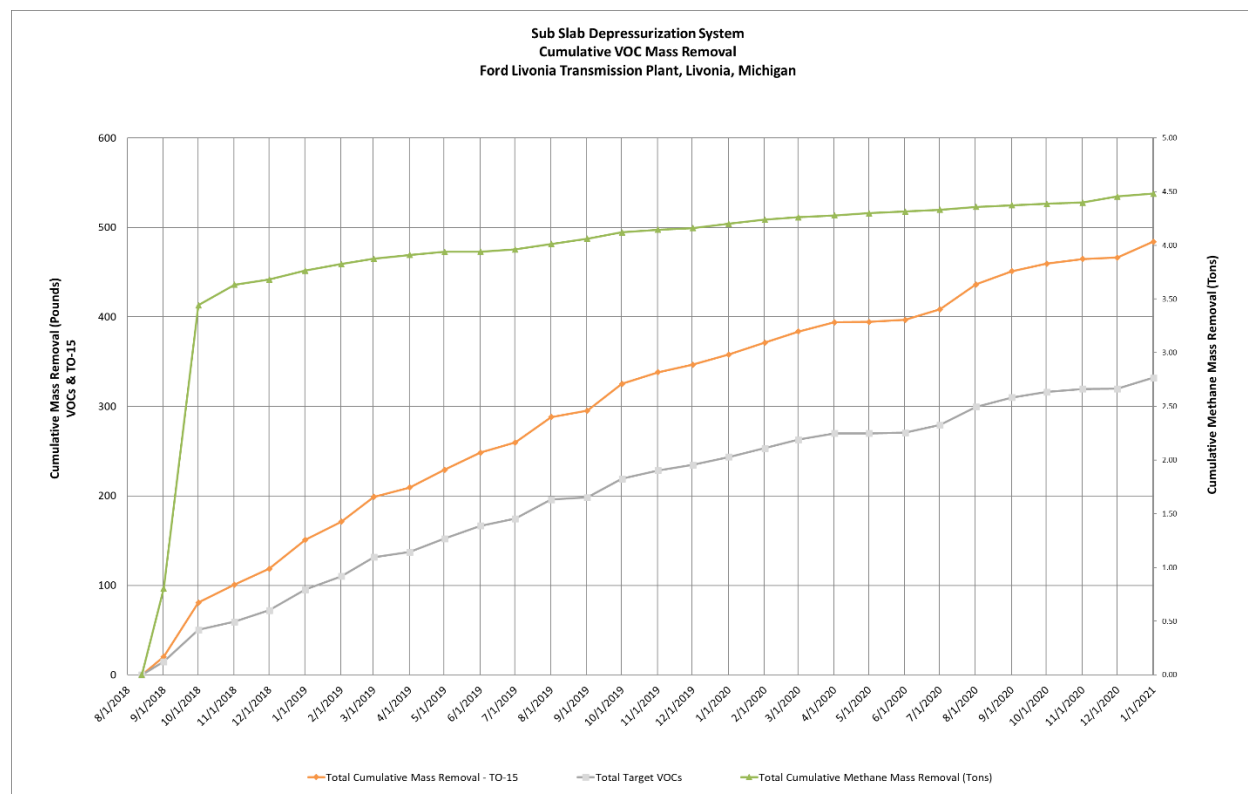
Due to SSDS expansion upgrades, including the upgrading of the system equipment to accommodate the three additional suction pits and catalyst changeout, the system experienced notable downtime during the reporting period. **Exhibit 5** below describes the approximate duration and date of each shutdown. The system operated with an uptime of 84.3 percent during 4Q 2020.

Exhibit 5: SSDS Shutdown Summary – 4Q 2020

Date of Shutdown	Duration of Shutdowns	Summary of Shutdown
October 26, 2020 through November 6, 2020	268.45 hours	System shut down for expansion upgrades.
November 16, 2020 through November 19, 2020	78.20 hours	System shut down for catalyst replacement.

Exhibit 6 below depicts the cumulative constituent-specific mass removal of VOCs from sub-slab soil vapor through the 4Q 2020 reporting period.

Exhibit 6: SSDS Mass Removal – 4Q 2020



4 ACCESS AGREEMENTS

No access agreements were obtained during 4Q 2020. 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 maintaining the due care obligation. In addition, to identify potential methane breakthrough, Arcadis performed weekly ambient air monitoring throughout the plant, following the executive order for all non-essential workers to stay at home for approximately 6 weeks. The monitoring is biased toward locations where piping or conduits come through the slab and move above grade.

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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 4Q 2020 reporting period is included in **Exhibit 7** below. 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 January 2021.

Exhibit 7: Submitted Reporting Documents – 4Q 2020

Report Title	Submission Date
3Q 2020 Progress Report	October 31, 2020
EGLE Update Letter	October 31, 2020
Residential Concern Memo	October 31, 2020
Utility Corridor Response Activity Plan Addendum	December 4, 2020

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. Thirty-six drums were disposed of during 4Q 2020.

7 PROPOSED SCHEDULE

Future response activities are scheduled as follows:

Exhibit 8: Response Activity Schedule

Response Activity	Proposed Schedule	Anticipated Completion
1Q 2021 On-site Groundwater Sampling	February 2021	February 2021
1Q 2021 Off-site Groundwater Sampling	February 2021	February 2021

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Response Activity	Proposed Schedule	Anticipated Completion
HCS Performance Monitoring	Monthly	Ongoing
SSDS Performance Monitoring	Monthly	Ongoing
1Q 2021 Off-Site VI sampling	1Q 2021	To Be Determined
Off-Site Mitigation Operation, Monitoring, and Maintenance	February 2021	March 2021
1Q 2021 On-Site and Off-Site Utility Corridor VI Assessment	March 2021	March 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. 2020. Response Activity Plan – Utility Corridor Evaluation. February 11.

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.

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
LMW-15-02	673.90	7.0-12.0	11/20/20	8.67	11.31	NM ⁽⁸⁾	665.31	2.64	662.67	664.78
			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
LMW-15-03	670.18	7.0-12.0	08/17/20	8.20	9.41	NM	665.70	1.21	664.49	665.45
			11/20/20	8.39	10.69	NM ⁽⁸⁾	665.51	2.30	663.21	665.05
			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
LMW-15-04	673.92	6.0-11.0	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 ⁽⁸⁾	663.46	1.40	662.06	663.18
			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
LMW-15-05	673.93	7.0-12.0	11/04/19	Could Not Open						
			02/05/20	7.51	8.98	NM	666.41	1.47	664.94	666.12
			05/18/20	7.46	8.90	NM	666.46	1.44	665.02	666.17
			08/17/20	7.52	8.96	NM	666.40	1.44	664.96	666.11
			11/20/20	7.78	9.23	NM ⁽⁸⁾	666.14	1.45	664.69	665.85
			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, covered by storage racks						
			05/18/20	8.85	10.22	NM	665.08	1.37	663.71	664.81
			08/17/20	8.81	10.19	NM	665.12	1.38	663.74	664.85
			11/20/20	9.14	10.70	NM ⁽⁸⁾	664.79	1.56	663.23	664.48

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)
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 ⁽⁸⁾	667.02	1.70	665.32	666.68
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 ⁽⁸⁾	666.36	0.02	666.34	666.36
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 ⁽⁸⁾	667.79	1.62	666.17	667.47
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 ⁽⁸⁾	665.92	2.80	663.12	665.36
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							

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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 ⁽⁶⁾	NA	NA	664.58	664.58
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 ⁽⁶⁾	NA	NA	665.63	665.63
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 ⁽⁶⁾	NA	NA	665.85	665.85
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 ⁽⁶⁾	NA	NA	666.80	666.80
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 ⁽⁶⁾	NA	NA	663.65	663.65
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 ⁽⁶⁾	NA	NA	663.36	663.36
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 ⁽⁶⁾	662.99	1.00	661.99	662.79
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 ⁽⁶⁾	NA	NA	662.36	662.36
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 ⁽⁶⁾	666.40	1.28	665.12	666.14
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 ⁽⁶⁾	NA	NA	666.42	666.42
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 ⁽⁶⁾	NA	NA	663.81	663.81
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 ⁽⁶⁾	NA	NA	666.39	666.39
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 ⁽⁶⁾	NA	NA	664.76	664.76
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 ⁽⁶⁾	NA	NA	668.91	668.91
LMW-20-25	670.58	3.0-13.0	08/17/20	NM ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾
			11/20/20	7.42	7.42	NM ⁽⁶⁾	663.16	0.00	663.16	663.16
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 ⁽⁶⁾	NA	NA	663.33	663.33
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 ⁽⁶⁾	NA	NA	662.39	662.39
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 ⁽⁶⁾	667.36	0.16	667.20	667.33
			04/17/17	NP	3.82	18.61	NA	NA	666.95	666.95
MW-01	670.77	14.0-19.0	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	NP	NM ⁽²⁾	NM ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾
			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	NP	NM ⁽²⁾	NM ⁽²⁾	NA ⁽²⁾	NA ⁽²⁾	NM ⁽²⁾	NM ⁽²⁾
			02/05/20	NP	3.38	NM	NA	NA	667.39	667.39
			05/18/20	NM ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	3.50	NM	NA	NA	667.27	667.27
			11/20/20	NP	3.82	NM ⁽⁶⁾	NA	NA	666.95	666.95
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 ⁽⁶⁾	NA	NA	666.73	666.73

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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
MW-04	673.85	15.5-20.5	11/20/20	NP	7.33	NM ⁽⁶⁾	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 ⁽⁶⁾	NA	NA	665.95	665.95
			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	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 ⁽⁶⁾	NA	NA	667.01	667.01
			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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM(5)
			08/17/20	NP	4.71	NM	NA	NA	666.18	666.18
MW-09	671.18	19.5-24.5	11/20/20	NP	5.12	NM ⁽⁶⁾	NA	NA	665.77	665.77
			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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM(5)
			08/17/20	NP	5.82	NM	NA	NA	665.36	665.36
			11/20/20	NP	6.21	NM ⁽⁶⁾	NA	NA	664.97	664.97

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-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
MW-14	671.24	15.0-20.0	11/20/20	NP	8.89	NM ⁽⁶⁾	NA	NA	664.89	664.89
			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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	6.41	NM	NA	NA	664.83	664.83
			11/20/20	NP	6.89	NM ⁽⁶⁾	NA	NA	664.35	664.35
MW-15-59D	675.17	94.0-99.0	01/07/16	NP	21.83	99.00	NA	NA	653.34	653.34
			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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
MW-15-60D	675.75	93.0-98.0	08/17/20	NP	27.97	NM	NA	NA	647.20	647.20
			11/20/20	NP	22.85	NM ⁽⁶⁾	NA	NA	652.32	652.32
			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
MW-15-61D	670.03	88.0-93.0	02/05/20	NP	19.20	NM	NA	NA	656.55	656.55
			05/18/20	NM ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	21.76	NM	NA	NA	653.99	653.99
			11/20/20	NP	20.27	NM ⁽⁶⁾	NA	NA	655.48	655.48
			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, high traffic roadway						
			09/28/19	NP	24.70	94.59	NA	NA	645.33	645.33
			11/04/19	Could Not Access, high traffic roadway						
			02/05/20							
			05/18/20	NM ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NM ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾
			11/20/20	Could Not Access, high traffic roadway						

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-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		
MW-19	669.65	15.0-20.0	11/20/20	NP	7.23	17.84 ⁽⁸⁾	NA	NA	663.18	663.18		
			12/17/20	NP	7.20	17.75	NA	NA	663.21	663.21		
			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		
MW-20	669.33	13.5-18.5	05/18/20	NM ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM(5)		
			08/17/20	NP	8.84	NM	NA	NA	660.81	660.81		
			11/20/20	NP	6.25	20.00 ⁽⁸⁾	NA	NA	663.40	663.40		
			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		
			MW-21	670.76	13.5-18.5	05/18/20	NM ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾
08/17/20	NP	5.85				NM	NA	NA	663.48	663.48		
11/20/20	NP	6.85				NM ⁽⁸⁾	NA	NA	662.48	662.48		
05/13/16	Could Not Open											
04/17/17												
07/24/17												
11/06/17												
669.72		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	
		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			
MW-22	670.18	16.5-21.5	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 ⁽⁸⁾	NA	NA	662.23	662.23		
			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			
	670.20		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		
			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 ⁽⁸⁾	NA	NA	662.22	662.22			
12/17/20			NP	8.02	20.51	NA	NA	662.18	662.18			

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-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, 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 ⁽⁶⁾	NA	NA	662.44	662.44
MW-24	675.48	19.0-24.0	12/17/20	NP	6.83	19.70	NA	NA	662.41	662.41
			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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM(5)
			08/17/20	NP	9.88	NM	NA	NA	665.60	665.60
			11/20/20	NP	10.34	NM ⁽⁶⁾	NA	NA	665.14	665.14
MW-25	675.04	16.0-21.0	04/17/17	NP	5.35	20.54	NA	NA	669.69	669.69
			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 ⁽⁶⁾	NA	NA	668.86	668.86
			MW-26	673.39	4.5-14.5	07/24/17	NP	5.96	14.09	NA
11/06/17	NP	6.09				14.10	NA	NA	667.30	667.30
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 ⁽⁵⁾	NM ⁽⁵⁾				NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
08/17/20	NP	5.66	NM	NA	NA	667.73	667.73			
11/20/20	NP	6.00	NM ⁽⁶⁾	NA	NA	667.39	667.39			
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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	4.08	NM	NA	NA	664.07	664.07
			11/20/20	NP	4.48	NM ⁽⁶⁾	NA	NA	663.67	663.67

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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 ⁽³⁾	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 ⁽⁸⁾	NA	NA	664.02	664.02			
MW-30	670.70	19.0-24.0	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
11/20/20	NP	10.37	NM ⁽⁸⁾	NA	NA	660.33	660.33			
12/17/20	NP	10.43	24.70	NA	NA	660.27	660.27			
MW-31	670.82	17.0-22.0	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
			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 ⁽⁸⁾	NA	NA	660.4	660.4			
12/17/20	NP	10.43	21.69	NA	NA	660.39	660.39			
MW-32	670.43	18.0-23.0	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
			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 ⁽⁸⁾	NA	NA	660.63	660.63			
12/17/20	NP	9.89	22.73	NA	NA	660.54	660.54			
MW-33	669.94	14.0-19.0	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
			11/19/18	NP	7.33	NM	NA	NA	662.61	662.61
			02/22/19	NP	7.95	18.83	NA	NA	661.99	661.99
			06/14/19	NP	6.90	18.69	NA	NA	663.04	663.04
			09/26/19	NP	8.00	18.41	NA	NA	661.94	661.94
			11/04/19	NP	7.93	18.71	NA	NA	662.01	662.01
			02/05/20	NP	7.62	NM	NA	NA	662.32	662.32
			05/18/20	NP	7.92	18.67	NA	NA	662.02	662.02
			08/17/20	NP	7.95	NM	NA	NA	661.99	661.99
11/20/20	NP	8.54	NM ⁽⁸⁾	NA	NA	661.4	661.4			
12/17/20	NP	8.60	18.72	NA	NA	661.34	661.34			

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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-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	NM	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 ⁽³⁾	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 ⁽⁶⁾	NA	NA	660.56	660.56
			12/17/20	NP	9.85	21.30	NA	NA	660.64	660.64
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 ⁽⁶⁾	NA	NA	660.48	660.48
			12/17/20	NP	8.87	24.25	NA	NA	660.57	660.57
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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	9.46	NM	NA	NA	666.93	666.93
			11/20/20	NP	10.91	NM ⁽⁸⁾	NA	NA	665.48	665.48
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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	7.80	NM	NA	NA	663.44	663.44
			11/20/20	NP	8.34	NM ⁽⁸⁾	NA	NA	662.90	662.90
			12/17/20	NP	8.31	22.68	NA	NA	662.93	662.93
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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	8.04	NM	NA	NA	663.75	663.75
			11/20/20	NP	8.66	NM ⁽⁸⁾	NA	NA	663.13	663.13
			12/17/20	NP	8.64	19.51	NA	NA	663.15	663.15

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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-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 ⁽⁸⁾	NA	NA	660.85	660.85			
12/17/20	NP	11.43	24.22	NA	NA	660.76	660.76			
MW-40	670.65	15.0-20.0	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 ⁽⁸⁾	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	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			
11/20/20	NP	9.78	NM ⁽⁸⁾	NA	NA	660.56	660.56			
12/17/20	NP	9.80	20.79	NA	NA	660.54	660.54			
MW-42	670.10	16.0-21.0	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
			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 ⁽⁸⁾	NA	NA	660.51	660.51			
12/17/20	NP	9.51	20.48	NA	NA	660.59	660.59			
MW-43	669.24	17.0-22.0	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 ⁽⁸⁾	NA	NA	660.40	660.40			
12/17/20	NP	8.70	21.78	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)
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 ⁽⁸⁾	NA	NA	662.57	662.57			
12/17/20	NP	8.85	30.76	NA	NA	662.63	662.63			
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 ⁽⁸⁾	NA	NA	659.98	659.98			
12/17/20	NP	11.46	19.68	NA	NA	659.37	659.37			
MW-46	670.84	16.0-21.0	05/09/16	NP	8.42	20.45	NA	NA	662.42	662.42
			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 ⁽⁸⁾	NA	NA	660.32	660.32			
12/17/20	NP	10.92	19.69	NA	NA	659.92	659.92			
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 ⁽⁸⁾	NA	NA	660.98	660.98			
12/17/20	NP	10.54	19.97	NA	NA	660.79	660.79			

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 ⁽⁸⁾	NA	NA	661.24	661.24
MW-49	669.07	12.5-17.5	12/17/20	NP	9.94	20.22	NA	NA	661.04	661.04
			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, located underneath parked vehicle						
			08/17/20	NP	5.25	NM	NA	NA	663.82	663.82
			11/20/20	NP	6.68	NM ⁽⁸⁾	NA	NA	662.39	662.39
MW-50	670.16	16.0-21.0	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
			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 ⁽⁸⁾	NA	NA	661.76	661.76
MW-51	671.07	15.0-20.0	12/17/20	NP	8.57	18.77	NA	NA	661.59	661.59
			04/19/17	NP	6.12	19.04	NA	NA	664.95	664.95
			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 ⁽⁸⁾	NA	NA	662.88	662.88
MW-52	669.16	15.0-20.0	12/17/20	NP	8.12	18.91	NA	NA	662.95	662.95
			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
			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 ⁽⁸⁾	NA	NA	660.25	660.25
			12/17/20	NP	8.71	19.78	NA	NA	660.45	660.45

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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-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	
MW-54	668.49	16.0-21.0	11/20/20	NP	8.48	NM ⁽⁸⁾	NA	NA	660.11	660.11	
			12/17/20	NP	8.57	20.65	NA	NA	660.02	660.02	
			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, 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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	
MW-54S	668.24	4.5-9.5	08/17/20	NP	7.95	NM	NA	NA	660.54	660.54	
			11/20/20	NP	8.50	NM ⁽⁸⁾	NA	NA	659.99	659.99	
			12/17/20	NP	8.34	20.82	NA	NA	660.15	660.15	
			06/14/19	NP	2.96	9.25	NA	NA	665.28	665.28	
			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	
MW-55	670.04	15.0-20.0	08/17/20	NP	3.93	NM	NA	NA	664.31	664.31	
			11/20/20	NP	7.51	NM ⁽⁸⁾	NA	NA	660.73	660.73	
			12/17/20	NP	7.36	9.02	NA	NA	660.88	660.88	
			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	
MW-55D	670.17	19.0-24.0	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 ⁽⁸⁾	NA	NA	660.92	660.92	
			12/17/20	NP	8.85	19.58	NA	NA	661.19	661.19	
			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	
MW-56	670.26	16.0-21.0	05/18/20	NM ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	
			08/17/20	NP	8.32	NM	NA	NA	661.85	661.85	
			11/20/20	NP	9.22	NM ⁽⁸⁾	NA	NA	660.95	660.95	
			12/17/20	NP	8.93	23.56	NA	NA	661.24	661.24	
			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 ⁽⁸⁾	NA	NA	661.91	661.91				
12/17/20	NP	8.02	20.32	NA	NA	662.24	662.24				

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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-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
MW-58	668.73	15.0-20.0	11/20/20	NP	8.16	NM ⁽⁸⁾	NA	NA	660.77	660.77
			12/17/20	NP	9.00	21.68	NA	NA	659.93	659.93
			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
MW-62	671.06	16.3-21.3	02/05/20	NP	4.16	NM	NA	NA	664.57	664.57
			05/18/20	NM ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	5.23	NM	NA	NA	663.50	663.50
			11/20/20	NP	5.79	NM ⁽⁸⁾	NA	NA	662.94	662.94
			12/17/20	NP	5.57	19.62	NA	NA	663.16	663.16
			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
MW-63	669.96	7.0-12.0	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 ⁽⁸⁾	NA	NA	661.51	661.51
			12/17/20	NP	9.63	21.15	NA	NA	661.43	661.43
			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
MW-64	671.09	15.0-20.0	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 ⁽⁸⁾	NA	NA	661.44	661.44
			12/17/20	NP	8.85	11.80	NA	NA	661.11	661.11
			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
MW-64	671.09	15.0-20.0	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 ⁽⁸⁾	NA	NA	660.91	660.91
			12/17/20	NP	10.23	20.02	NA	NA	660.86	660.86

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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-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 ⁽⁸⁾	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	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
			11/20/20	NP	8.01	NM ⁽⁸⁾	NA	NA	661.82	661.82
			12/17/20	NP	8.17	19.01	NA	NA	661.66	661.66
MW-67	671.32	9.0-14.0	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
			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 ⁽⁸⁾	NA	NA	661.37	661.37
			12/17/20	NP	10.15	14.50	NA	NA	661.17	661.17
MW-68	670.71	15.0-20.0	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
			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 ⁽⁸⁾	NA	NA	661.03	661.03
MW-69	670.27	15.0-20.0	12/17/20	NP	9.80	19.84	NA	NA	660.91	660.91
			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 ⁽⁸⁾	NA	NA	660.47	660.47
			12/17/20	NP	9.87	19.94	NA	NA	660.4	660.4

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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-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 ⁽⁸⁾	NA	NA	660.07	660.07
			12/17/20	NP	11.68	20.14	NA	NA	659.68	659.68
MW-71	671.04	15.0-20.0	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 ⁽⁸⁾	NA	NA	659.25	659.25
			12/17/20	NP	12.88	20.19	NA	NA	658.16	658.16
MW-113	672.44	5.0-10.0	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 ⁽⁶⁾	NA	NA	667.38	667.38
MW-114	670.80	5.0-10.0	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	NM ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾
			11/20/20	NM ⁽⁷⁾	NM ⁽⁷⁾	NM ⁽⁷⁾	NA ⁽⁷⁾	NA ⁽⁷⁾	NM ⁽⁷⁾	NM ⁽⁷⁾
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 ⁽⁸⁾	NA	NA	663.71	663.71
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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	9.22	NM	NA	NA	661.25	661.25
			11/20/20	NP	9.96	NM ⁽⁸⁾	NA	NA	660.51	660.51
			12/17/20	NP	9.67	20.09 ⁽⁸⁾	NA	NA	660.80	660.80
MW-124	670.24	5.0-10.0	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, covered by storage racks						
			05/18/20	NM ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NM ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾
			11/20/20	NP	2.02	NM ⁽⁸⁾	NA	NA	668.22	668.22
			11/20/19	NP	2.39	16.15	NA	NA	670.08	670.08
MW-194	672.47	12.0-17.0	02/05/20	NP	2.22	NM	NA	NA	670.25	670.25
			05/18/20	NM ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	2.42	NM	NA	NA	670.05	670.05
			11/20/20	NP	2.85	NM ⁽⁸⁾	NA	NA	669.62	669.62
			11/20/19	NP	2.58	6.53	NA	NA	670.09	670.09
MW-194S	672.67	2.0-7.0	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 ⁽⁶⁾	NA	NA	669.63	669.63
			11/20/19	NP	1.98	6.20	NA	NA	670.01	670.01
MW-195S	671.99	2.0-7.0	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 ⁽⁸⁾	NA	NA	669.60	669.60
			11/20/19	NP	2.24	17.14	NA	NA	670.51	670.51
MW-196	672.75	12.0-17.0	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 ⁽⁸⁾	NA	NA	670.00	670.00

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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-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 ⁽⁸⁾	NA	NA	670.00	670.00
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 ⁽⁸⁾	NA	NA	670.24	670.24
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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁶⁾
			08/17/20	NM ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾
			11/20/20	NP	5.01	NM ⁽⁸⁾	NA	NA	670.36	670.36
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 ⁽⁸⁾	NA	NA	670.40	670.40
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 ⁽⁸⁾	NA	NA	669.38	669.38
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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	6.34	NM	NA	NA	666.08	666.08
			11/20/20	NP	6.48	NM ⁽⁸⁾	NA	NA	665.94	665.94
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 ⁽⁸⁾	NA	NA	666.11	666.11
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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁶⁾
			08/17/20	NP	4.98	NM	NA	NA	667.24	667.24
			11/20/20	NP	5.10	NM ⁽⁸⁾	NA	NA	667.12	667.12
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 ⁽⁸⁾	NA	NA	667.07	667.07
MW-208S	671.39	9.0-14.0	02/05/20	NP	10.07	14.00 ⁽⁴⁾	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 ⁽⁸⁾	NA	NA	660.41	660.41
			12/17/20	NP	11.01	13.59	NA	NA	660.38	660.38
MW-209S	670.88	8.0-13.0	02/05/20	NP	9.43	13.00 ⁽⁴⁾	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 ⁽⁸⁾	NA	NA	660.50	660.50
			12/17/20	NP	10.41	12.71	NA	NA	660.47	660.47
MW-210S	671.08	8.0-13.0	02/05/20	NP	9.35	13.00 ⁽⁴⁾	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 ⁽⁸⁾	NA	NA	660.68	660.68
			12/17/20	NP	10.40	12.72	NA	NA	660.68	660.68
MW-211S	669.85	7.0-12.0	02/05/20	NP	7.91	12.00 ⁽⁴⁾	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 ⁽⁸⁾	NA	NA	660.51	660.51
			12/17/20	NP	9.25	11.84	NA	NA	660.60	660.60
MW-212S	669.45	6.5-11.5	02/05/20	NP	7.39	11.50 ⁽⁴⁾	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 ⁽⁸⁾	NA	NA	660.52	660.52
			12/17/20	NP	8.81	11.17	NA	NA	660.64	660.64
MW-213S	669.10	6.0-11.0	02/05/20	NP	7.02	11.00 ⁽⁴⁾	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 ⁽⁸⁾	NA	NA	660.44	660.44
			12/17/20	NP	8.52	10.83	NA	NA	660.58	660.58
MW-218S	671.68	9.0-14.0	02/05/20	NP	9.97	14.00 ⁽⁴⁾	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 ⁽⁸⁾	NA	NA	660.67	660.67
			12/17/20	NP	11.10	13.16	NA	NA	660.58	660.58
MW-219S	669.63	7.0-12.0	02/05/20	NP	7.14	12.00 ⁽⁴⁾	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 ⁽⁸⁾	NA	NA	661.59	661.59
			12/17/20	NP	8.06	11.32	NA	NA	661.57	661.57

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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 ⁽⁴⁾	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 ⁽⁸⁾	NA	NA	663.74	663.74
MW-221S	672.85	6.5-11.5	02/05/20	NP	6.01	11.50 ⁽⁴⁾	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 ⁽⁸⁾	NA	NA	666.37	666.37
MW-222S	671.77	5.5-10.5	02/05/20	NP	8.38	10.50 ⁽⁴⁾	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 ⁽⁸⁾	NA	NA	665.16	665.16
MW-224S	676.96	7.0-12.0	02/05/20	NP	8.35	12.00 ⁽⁴⁾	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 ⁽⁸⁾	NA	NA	667.83	667.83
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 ⁽⁸⁾	NA	NA	661.18	661.18
			12/17/20	NP	9.21	21.56	NA	NA	661.02	661.02
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 ⁽⁸⁾	NA	NA	663.55	663.55
			12/17/20	NP	6.60	23.79	NA	NA	663.37	663.37
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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	7.77	NM	NA	NA	661.76	661.76
			11/20/20	NP	8.26	NM ⁽⁸⁾	NA	NA	661.27	661.27
			12/17/20	NP	8.34	16.65	NA	NA	661.19	661.19
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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	7.60	NM	NA	NA	661.83	661.83
			11/20/20	NP	8.09	NM ⁽⁸⁾	NA	NA	661.34	661.34
			12/17/20	NP	8.16	17.21	NA	NA	661.27	661.27

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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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	4.60	NM	NA	NA	664.74	664.74
			11/20/20	NP	6.19	NM ⁽⁸⁾	NA	NA	663.15	663.15
			12/17/20	NP	5.99	18.67	NA	NA	663.35	663.35
TW-16-04	669.80	9.0-19.0	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 ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			08/17/20	NP	5.00	NM	NA	NA	664.80	664.80
			11/20/20	NP	6.51	NM ⁽⁸⁾	NA	NA	663.29	663.29
			12/17/20	NP	6.31	18.94	NA	NA	663.49	663.49
PZ-01	670.88	15.0-20.0	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 ⁽⁸⁾	NA	NA	660.93	660.93
			12/17/20	NP	9.90	19.45	NA	NA	660.98	660.98
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 ⁽⁸⁾	NA	NA	660.89	660.89
PZ-03	670.62	15.0-20.0	12/17/20	NP	9.74	19.72	NA	NA	660.93	660.93
			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 ⁽⁸⁾	NA	NA	660.67	660.67
PZ-04	671.03	16.0-21.0	12/17/20	NP	9.98	19.70	NA	NA	660.64	660.64
			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 ⁽³⁾	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 ⁽⁸⁾	NA	NA	660.29	660.29
PZ-05	670.92	15.0-20.0	12/17/20	NP	11.54	20.74	NA	NA	659.49	659.49
			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 ⁽⁸⁾	NA	NA	660.07	660.07
			12/17/20	NP	11.32	19.65	NA	NA	659.60	659.60

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 ⁽⁸⁾	NA	NA	661.29	661.29
			12/17/20	NP	10.83	21.00	NA	NA	660.99	660.99
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 ⁽⁸⁾	NA	NA	661.21	661.21
			12/17/20	NP	9.87	19.82	NA	NA	661.00	661.00
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 ⁽⁸⁾	NA	NA	661.39	661.39
			12/17/20	NP	7.20	19.88	NA	NA	661.42	661.42
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 ⁽⁸⁾	NA	NA	661.46	661.46
			12/17/20	NP	10.52	19.73	NA	NA	661.39	661.39
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 ⁽⁸⁾	NA	NA	661.16	661.16
			12/17/20	NP	10.37	19.78	NA	NA	661.05	661.05
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 ⁽⁸⁾	NA	NA	660.35	660.35
			12/17/20	NP	10.90	19.85	NA	NA	660.16	660.16
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 ⁽⁸⁾	NA	NA	659.32	659.32
			12/17/20	NP	12.86	19.66	NA	NA	658.43	658.43
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 ⁽⁸⁾	NA	NA	660.90	660.90
			12/17/20	NP	10.49	18.77	NA	NA	660.72	660.72

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 ⁽⁸⁾	NA	NA	662.11	662.11
			12/17/20	NP	8.22	17.86	NA	NA	662.04	662.04
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 ⁽⁸⁾	NA	NA	661.77	661.77
			12/17/20	NP	7.37	17.27	NA	NA	661.91	661.91

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⁾ MW submerged under water.
⁽³⁾ Monitoring well total depth incorrect due to field measurement error. Confirmed during sampling of the monitoring well.
⁽⁴⁾ Monitoring well total depth not measured. Measurement shown is based on the recorded well screen depth from the well construction log.
⁽⁵⁾ Monitoring well not measured during second quarter of 2020.
⁽⁶⁾ Monitoring well not measured during third quarter of 2020. Well inaccessible.
⁽⁷⁾ Monitoring well not measured during fourth quarter of 2020. Well inaccessible.
⁽⁸⁾ 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.

* 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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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	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
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	
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	
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	
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	
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	
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	
1,2,3-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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	

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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	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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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	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
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	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
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
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
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
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	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
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
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
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
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
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
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
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
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
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
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
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	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
Benzene	µg/L	5.0	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
Bromoform	µg/L	80	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
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
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
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
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
Chlorobenzene	µg/L	100	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
Chloroethane	µg/L	1,700	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
Chloromethane	µg/L	1,100	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	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	NA
Cyclohexane	µg/L	NS	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
Diethyl ether	µg/L	10	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
Isopropylbenzene	µg/L	2,300	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
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
Methylcyclohexane	µg/L	NS	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-20-22 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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Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-1													MW-2														
			14-19													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	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
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	1.5 J	1.8 J	4.5	4.4	5.7	5.1	4.9	3.9	5.8	4.9	4.9	4.7	4.5	4.4	3.7
Volatile Organic Compounds (VOCs)																														
1,1,1-Trichloroethane	µg/L	200	< 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
1,1,2,2-Tetrachloroethane	µg/L	35	< 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
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	< 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
1,1,2-Trichloroethane	µg/L	5.0	< 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
1,1-Dichloroethane	µg/L	2,500	< 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
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	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	< 100	< 200	2.8 J	< 100	< 100	< 250	< 250
1,2,3-Trimethylbenzene	µg/L	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	< 130	< 250	< 330	< 330	< 130	< 710	< 250	< 500	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.33 J	< 1.0	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	µg/L	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	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 J	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100 J	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	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	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	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	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	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	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	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	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	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	µg/L	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.37 J	< 1.0	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	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	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	µg/L	38,000	< 10	1.0 J	< 10	< 10	< 10	< 10	3.8 J	NA	NA	NA	NA	NA	NA	< 250	< 500	< 670	< 670	< 250	< 1,400	< 500	< 1,000	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	1.2 J	NA	NA	NA	NA	NA	NA	< 250	< 500	< 670	< 670	< 250	< 1,400	< 500	< 1,000	NA	NA	NA	NA	NA	NA	NA
Acetone	µg/L	2,100	< 10	< 10 UB	< 10	< 10 UB	< 10	< 10	28	NA	NA	NA	NA	NA	NA	< 250	< 500	< 670	< 670	< 250	< 1,400	< 500	< 1,000	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	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	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	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	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 J	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100 J	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 J	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100 J	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	NA	NA	NA	NA	NA	NA	< 130	< 250	< 330	< 330	< 130	< 710	< 250	< 500	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	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	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 J	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100 J	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	NA	NA	NA	NA	NA	NA	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	µg/L	100	< 1.0	< 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-1													MW-2														
			14-19													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	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
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	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100 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
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	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	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	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	< 100	< 200	< 10	< 100	< 100	< 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	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	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	< 50	< 100	< 130	< 130	< 50	< 290	< 100	< 200	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
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	< 25	< 50	< 67	< 67	< 25	< 140	< 50	< 100	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	< 25	< 50	< 67	< 67	< 25	< 140	8.2 J	< 100 J	< 100	27 J	3.4 J	< 100	< 100	< 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	200	160	140	210	190	170	190	230	190	200	160	280	150	200 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
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

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-3															MW-4														
			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	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
Semi-volatile Organic Compounds (SVOCs)																																
1,4-Dioxane	µg/L	350	0.67 J	< 2.0 UB	0.57 J	< 2.0	0.50 J	1.4 J	1.3 J	1.0 J	1.8 J	1.5 J	1.1 J	1.5 J	1.4 J	1.8 J	0.97 J	1.1 J	< 2.0 UB	< 20	0.38 J	0.76 J	< 200	< 200	< 200	1.9 J	1.8 J	< 10	< 20	< 20	1.4 J	1.0 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	< 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
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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000 J	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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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	< 1,000	< 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
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	< 5,000	< 5,000	< 5,000	< 8,300	< 5,000 J	< 5,000	< 2,500	< 10,000	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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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 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
1,2-Dibromoethane	µg/L	0.05	< 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
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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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	1.3	0.21 J	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
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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	µg/L	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	NA	< 10,000	< 10,000	< 10,000	< 17,000	< 10,000 J	< 10,000	< 5,000	< 20,000 J	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 J	NA	NA	NA	NA	NA	NA	NA	< 10,000	< 10,000	< 10,000	< 17,000	< 10,000 J	< 10,000	< 5,000	< 20,000 J	NA	NA	NA	NA	NA	NA	NA
Acetone	µg/L	2,100	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	NA	< 10,000	< 10,000	< 10,000	< 17,000	< 10,000 J	< 10,000	< 5,000	< 20,000 J	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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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 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
Bromomethane	µg/L	29	< 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 J	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 J	NA	NA	NA	NA	NA	NA	NA	< 5,000	< 5,000	< 5,000	< 8,300	< 5,000 J	< 5,000	< 2,500	< 10,000 J	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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (C																																

Location: Screen Interval (ft. bgs):	Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-3														MW-4														
				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	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
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
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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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	< 1,000	< 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
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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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	< 2,000	< 2,000	< 2,000	< 3,300	< 2,000 J	< 2,000	< 1,000	< 4,000	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	1,200	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
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	< 1,000	< 1,000	< 1,000	< 1,700	< 1,000 J	< 1,000	< 500	< 2,000	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	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
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	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
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-5														MW-7													
			15.5-20.5														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	7/31/2017	11/10/2017	2/12/2018	5/11/2018	8/14/2018	10/29/2018	2/27/2019	6/10/2019	9/25/2019	11/22/2019	2/7/2020	8/14/2020	11/12/2020	
Semi-volatile Organic Compounds (SVOCs)																														
1,4-Dioxane	µg/L	350	< 2.0 UB	< 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	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	
1,1,2,2-Tetrachloroethane	µg/L	35	< 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	
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 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	
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	
1,2,3-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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	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	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	
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	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	
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	0.26 J	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	µg/L	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.73 J	< 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	
2-Butanone (MEK)	µg/L	38,000	< 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	
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	< 5.0	
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 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	
Acetone	µg/L	2,100	< 10	< 10	< 10	< 10 UB	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 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	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	
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	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	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	
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 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-5														MW-7													
			15.5-20.5														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	7/31/2017	11/10/2017	2/12/2018	5/11/2018	8/14/2018	10/29/2018	2/27/2019	6/10/2019	9/25/2019	11/22/2019	2/7/2020	8/14/2020	11/12/2020	
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	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
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	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	
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	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	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	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	
Trichloroethene	µg/L	5.0	< 1.0	< 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	< 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	
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

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-9													MW-10														
			19.5-24.5													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	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
Semi-volatile Organic Compounds (SVOCs)																														
1,4-Dioxane	µg/L	350	8.6	11	12	3.6	4.3	3.9	3.8	5.2	4.2	3.1	< 2.0	4.6	6.0	5.9	4.5	5.6	4.4	4.4	4.8	5.5	4.5	6.1	5.0	5.6	5.3	4.4	3.8	4.9
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	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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 J	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100 J	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	< 100	< 200	< 10	< 200	< 200	< 330	< 330
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	< 250	< 330	< 500	< 1,000	< 500	< 710	< 1,300	< 500	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	µg/L	0.2	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100 J	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 J	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100 J	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	0.28 J	< 1.0	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	µg/L	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	< 500	< 670	< 1,000	< 2,000	< 1,000	< 1,400	< 2,500	< 1,000 J	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 J	NA	NA	NA	NA	NA	NA	< 500	< 670	< 1,000	< 2,000	< 1,000	< 1,400	< 2,500	< 1,000 J	NA	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	< 500	< 670	< 1,000	< 2,000	< 1,000	< 1,400	< 2,500	< 1,000 J	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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 J	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100 J	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100 J	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 J	NA	NA	NA	NA	NA	NA	< 250	< 330	< 500	< 1,000	< 500	< 710	< 1,300	< 500 J	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	NA	NA	NA	NA	NA	NA	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	NA	NA	NA	NA	NA	NA	< 50	< 67													

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-9													MW-10														
			19.5-24.5													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	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
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	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100 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
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	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	< 100	< 200	< 10	< 200	< 200	< 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	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	< 100	< 130	< 200	< 400	< 200	< 290	< 500	< 200	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	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	< 100	< 200	< 10	< 200	< 200	< 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	< 50	< 67	< 100	< 200	< 100	< 140	< 250	< 100	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	< 50	< 67	< 100	< 200	< 100	< 140	< 250	14 J	< 100	< 200	< 10	< 200	< 200	< 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	1,200	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
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

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-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	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	
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	0.90 J	< 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	
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	
1,2,3-Trimethylbenzene	µg/L	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	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	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	
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	µg/L	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.36 J	< 1.0	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.23 J	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	
2-Butanone (MEK)	µg/L	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	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	
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	
Acetone	µg/L	2,100	< 10	< 10	< 10	< 10 UB	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10 UB	< 10	< 10	< 10 J	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	NA	NA	NA	NA	NA	NA	1.6 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	
Chlorobenzene	µg/L	100	< 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-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	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	
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	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	
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	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	
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	0.25 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.28 J	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	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	< 1.0	< 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	
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	
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

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-15-60D														MW-15-61D														
			93-98														88-93														
			4/26/2017	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	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	
Semi-volatile Organic Compounds (SVOCs)																															
1,4-Dioxane	µg/L	350	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	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	
Volatile Organic Compounds (VOCs)																															
1,1,1-Trichloroethane	µg/L	200	< 1.0	< 1.0	< 1.0 J	< 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
1,1,2,2-Tetrachloroethane	µg/L	35	< 1.0	< 1.0	< 1.0 J	< 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
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	< 1.0	< 1.0	< 1.0 J	< 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
1,1,2-Trichloroethane	µg/L	5.0	< 1.0	< 1.0	< 1.0 J	< 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
1,1-Dichloroethane	µg/L	2,500	< 1.0	< 1.0	< 1.0 J	< 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
1,1-Dichloroethene	µg/L	7.0	< 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	
1,2,3-Trimethylbenzene	µg/L	NS	< 5.0	< 5.0	< 5.0 J	< 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	< 5.0	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	µg/L	70	< 1.0	< 1.0	< 1.0 J	< 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
1,2,4-Trimethylbenzene	µg/L	63	< 1.0	< 1.0	< 1.0 J	< 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
1,2-Dibromo-3-chloropropane	µg/L	0.2	< 1.0	< 1.0	< 1.0 J	< 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 J	< 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-Dichlorobenzene	µg/L	600	< 1.0	< 1.0	< 1.0 J	< 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
1,2-Dichloroethane	µg/L	5.0	< 1.0	< 1.0	< 1.0 J	< 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
1,2-Dichloropropane	µg/L	5.0	< 1.0	< 1.0	< 1.0 J	< 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
1,3,5-Trimethylbenzene	µg/L	72	< 1.0	< 1.0	< 1.0 J	< 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
1,3-Dichlorobenzene	µg/L	19	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	< 1.0	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
1,4-Dichlorobenzene	µg/L	75	< 1.0	< 1.0	< 1.0 J	< 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 J	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 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
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 10	< 10	< 10 J	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA
Acetone	µg/L	2,100	< 10	< 10	< 10 J	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	12	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA
Benzene	µg/L	5.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	0.57 J	< 1.0	< 1.0	< 1.0	< 1.0	0.25 J	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
Bromodichloromethane	µg/L	80	< 1.0	< 1.0	< 1.0 J	< 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
Bromoform	µg/L	80	< 1.0	< 1.0	< 1.0 J	< 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 J	< 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
Carbon Disulfide	µg/L	2,300	0.51 J	< 5.0	< 5.0 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	0.91 J	0.58 J	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 J	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	µg/L	5.0	< 1.0	< 1.0	< 1.0 J	< 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
Trichlorofluoromethane (CFC-11)	µg/L	7,300	< 1.0	< 1.0	< 1.0 J	< 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								

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														
			4/26/2017	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	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	
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	0.27 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 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	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	
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	< 1.0	0.28 J	< 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	< 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 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	
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	< 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 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	
Vinyl chloride	µg/L	2.0	< 1.0	< 1.0	< 1.0 J	< 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	
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-18														MW-19													
			13-18														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	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		
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1.0		
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 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	< 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	< 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			
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	< 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	< 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			
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	1.8	1.5	1.3	< 1.0	1.6	1.9	0.73 J	1.2	1.4	1.1	1.2	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			
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-20											MW-21												
			13.5-18.5											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	2/13/2018	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			
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	25	5.3	6.5	14	18	6.3	58	45	33	43			
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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500 J	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	< 710	< 500	65 J	< 500	< 500			
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	< 5,000	< 5,000	< 5,000	< 8,300	< 13,000	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	NA	NA	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500 J	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	NA	NA	NA			
1,3-Dichlorobenzene	µg/L	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.17 J	< 1.0	NA	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	NA	NA	NA			
2-Butanone (MEK)	µg/L	38,000	< 10	< 10	< 10	1.4 J	< 10	< 10	< 10 J	NA	NA	NA	NA	< 10,000	< 10,000	1,500 J	< 17,000	< 25,000 J	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			
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 10	< 10	0.81 J	2.0 J	0.63 J	< 10	0.52 J	NA	NA	NA	NA	< 10,000	< 10,000	830 J	< 17,000	< 25,000 J	NA	NA	NA	NA	NA			
Acetone	µg/L	2,100	< 10	< 10	< 10 UB	< 10 UB	6.9 J	< 10	< 10	NA	NA	NA	NA	< 10,000	2,100 J	< 10,000	< 17,000	< 25,000	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500 J	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	NA	NA	NA	NA	< 5,000	< 5,000	< 5,000	< 8,300	< 13,000	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	20,000	18,000	26,000	40,000	25,000	13,000 J	15,000	23,000	6,500	19,000			
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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	NA	NA	NA			
Dichloromethane	µg/L	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	< 5,000	560 J	< 5,000	< 8,300	< 13,000	NA	NA	NA	NA	NA			
Diethyl ether	µg/L	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	NA	NA	NA	< 2,000	< 2,000	< 2,000	< 3,300	< 5,000	NA	NA	NA	NA	NA			
Ethylbenzene	µg/L	74	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	NA	NA	NA			
Isopropylbenzene	µg/L	2,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	NA	NA	NA	NA	NA			
Methyl Acetate	µg/L	NS	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	< 10,000 J	< 10,000	< 10,000	< 17,000	< 25,000 J	NA	NA	NA	NA	NA			
Methyl N-Butyl Ketone (2-Hexanone)	µg/L	2,900	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	< 10,000	<											

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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-20											MW-21										
			13.5-18.5											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	2/13/2018	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	
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	< 1,000	< 1,000 J	< 1,000	< 1,700	< 2,500 J	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	
Styrene (Monomer)	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	
Toluene	µg/L	790	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	< 2,000	< 2,000	< 2,000	< 3,300	< 5,000	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	
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	< 1,000	< 1,000	< 1,000	< 1,700	< 2,500	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	460 J	< 1,000	< 1,000	1,900	570 J	< 710	190 J	62 J	250 J	180 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	5,400	3,700	3,400	7,800	5,600	2,400	3,000	6,600	2,500	5,500	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	

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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	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
Methyl-tert-butyl ether	µg/L	40	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	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	
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	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	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	
Tetrachloroethene	µg/L	5.0	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	< 200	< 1.0	< 2.0	< 67	< 67	< 67	< 2.5	< 1,000	< 2,000	< 1,000	< 100	< 2,500	< 2,500	< 1,000	< 2,500	< 50	< 200	< 330	< 330	< 830	
Toluene	µg/L	790	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	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	
Total Xylenes	µg/L	280	< 130	< 200	< 100	< 290	< 130	< 100	< 200	< 100	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	
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	1,200	4,100	1,800	180	2,300 J	3,000	1,000	1,600 J	500	200	430	420	560 J	
trans-1,3-Dichloropropene	µg/L	NS	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	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	
Trichloroethene	µg/L	5.0	< 63	< 100	< 50	< 140	< 67	< 50	< 100	< 50	< 200	0.25 J	< 2.0	< 67	< 67	< 67	< 2.5	5,300	25,000	11,000	1,000	12,000	18,000	7,000	11,000	2,800	1,300	1,300	1,400	2,600	
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	1,100	2,400	820 J	77 J	< 2,500	1,600 J	670 J	1,600 J	380	< 200	550	220 J	510 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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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	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	
Semi-volatile Organic Compounds (SVOCs)																															
1,4-Dioxane	µg/L	350	< 2.0	< 2.0 UB	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.75 J	< 2.0 UB	0.86 J	0.68 J	0.99 J	1.9 J	3.2	4.5	4.3	4.9	6.6	5.7	6.7	5.9	
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	< 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	< 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	
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	< 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	< 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	
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	< 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	
1,2,3-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	< 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	< 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	
1,2,4-Trimethylbenzene	µg/L	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 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	
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 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	
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 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	< 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	
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	< 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	< 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	
1,3-Dichlorobenzene	µg/L	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.29 J	< 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	
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	< 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	1.7 J	< 10	< 10	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	
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 10	< 10	< 10	< 10	< 10	0.77 J	< 10	< 10	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	< 10	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	< 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	
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	< 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	< 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 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
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	< 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	< 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	
Trichlorofluoromethane (CFC-11)	µg/L	7,300	< 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	
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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-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	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	
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	< 1.0	< 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	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	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	< 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	< 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	
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	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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-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	
Semi-volatile Organic Compounds (SVOCs)																												
1,4-Dioxane	µg/L	350	< 2.0 UB	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0 UB	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.93 J	< 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	NA	NA	NA	NA	NA	NA	28	26	25	24	37	35	15	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	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0 J	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	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	
1,1,2-Trichloroethane	µg/L	5.0	< 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	< 2.0	< 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	0.23 J	NA	NA	NA	NA	NA	14	12	10	13	15	15	7.9	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	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0	0.71 J	1.6	0.90 J	0.57 J	0.33 J	0.43 J	0.40 J	1.8	1.2	< 1.0	< 5.0	0.52 J	0.70 J	
1,2,3-Trimethylbenzene	µg/L	NS	< 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	< 10	< 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	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	
1,2,4-Trimethylbenzene	µg/L	63	< 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	
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0 J	NA	NA	NA	NA	NA	NA	
1,2-Dichlorobenzene	µg/L	600	< 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	
1,2-Dichloroethane	µg/L	5.0	< 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	< 2.0	< 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	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	
1,3,5-Trimethylbenzene	µg/L	72	< 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	
1,3-Dichlorobenzene	µg/L	19	< 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	
1,4-Dichlorobenzene	µg/L	75	< 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	
2-Butanone (MEK)	µg/L	38,000	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 20	< 10 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	
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 20	< 10 J	NA	NA	NA	NA	NA	NA	
Acetone	µg/L	2,100	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 20	< 10	NA	NA	NA	NA	NA	NA	
Benzene	µg/L	5.0	< 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	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA	
Bromodichloromethane	µg/L	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	
Bromoform	µg/L	80	< 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 J	NA	NA	NA	NA	NA	NA	
Bromomethane	µg/L	29	< 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	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA	
Carbon Disulfide	µg/L	2,300	< 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	< 10	< 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	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	
Trichlorofluoromethane (CFC-11)	µg/L	7,300	< 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	
Dichlorodifluoromethane (CFC-12)	µg/L	4,800	< 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	
Chlorobenzene	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	
Chlorodibromomethane	µg/L	80	< 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 J	NA	NA	NA	NA	NA	NA	
Chloroethane	µg/L	1,700	< 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	< 2.0	< 1.0	NA	NA	NA	NA	NA	NA	
Chloroform	µg/L	80	< 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	
Chloromethane	µg/L	1,100	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA																		

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



Location: Screen Interval (ft. bgs): Date:		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	

See Notes on Last Page.

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	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	
Semi-volatile Organic Compounds (SVOCs)																																
1,4-Dioxane	µg/L	350	1.4 J	3.8	9.0	0.90 J	0.47 J	< 2.0	4.3	< 2.0	< 2.0	0.92 J	0.60 J	< 2.0	5.6	18	10	11	13	12	14	15	15	15	13	14	9.2	12	11	13	13	
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	< 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	< 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	< 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	< 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	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	< 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	< 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	< 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 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	
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	< 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-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	< 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-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	< 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-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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
1,3,5-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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	
1,3-Dichlorobenzene	µg/L	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.27 J	< 1.0	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.18 J	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	< 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	NA	NA	NA	NA	NA	NA	< 10	< 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	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	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	< 10	< 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	< 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	
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	< 1.0	< 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	< 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	
Bromomethane	µg/L	29	< 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	
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	< 5.0	< 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	< 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	
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	< 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	
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	< 1.0	< 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	< 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	
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	< 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 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	
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	< 1.0	< 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	< 1.0	NA	NA	NA	NA	NA	NA	< 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	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	< 1.0	< 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	< 1.0	
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	< 1.0	< 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	< 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	
Dichloromethane	µg/L	5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 UB	< 5.0	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	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	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0								

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-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	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	
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 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	< 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	< 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	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	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 J	< 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	0.20 J	< 1.0	< 1.0	< 1.0	0.20 J	< 1.0	< 1.0	1.5	< 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	
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	
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	
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	
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
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
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
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
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
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
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
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

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-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	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		
Semi-volatile Organic Compounds (SVOCs)																																
1,4-Dioxane	µg/L	350	< 2.0	0.47 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	0.28 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		
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	
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	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 J	< 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	< 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	
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	< 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	< 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	
1,2,4-Trichlorobenzene	µg/L	70	< 1.0	< 1.0	< 1.0	< 1.0	1.1	< 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	
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	
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	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	< 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
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	
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	< 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	< 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	
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	
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	< 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	< 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	
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	
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	< 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	
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	< 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	< 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	
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	
Bromoform	µg/L	80	< 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	
Bromomethane	µg/L	29	< 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 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	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	< 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	
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	< 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	&																							

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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	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	
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	< 1.0	< 1.0	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	
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		
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		
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		
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		
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	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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		
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 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	
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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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	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	< 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	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	< 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	< 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	< 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	< 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	
1,2,3-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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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
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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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																									

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	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	
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	
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
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	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	0.14 J	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	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	
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	
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	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 J	< 1.0	< 1.0	< 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	< 1.0	< 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	
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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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	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	
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	
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
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	
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	
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	
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	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	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 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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
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

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-39														MW-40													
			20-25														20-25													
			4/26/2017	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	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		
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		
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	< 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	< 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	< 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	< 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	< 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			
1,2,3-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	< 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	< 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	< 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 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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		
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	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	< 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	< 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	< 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	< 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 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	< 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	< 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	< 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	< 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	< 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	< 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 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																														

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-39														MW-40													
			20-25														20-25													
			4/26/2017	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	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		
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	< 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		
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	< 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			
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	< 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	< 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	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			
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	< 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			
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	0.77 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			
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		
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		
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	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		
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	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	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		

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-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	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
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	1.8 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
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	< 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	< 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
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	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,1-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	< 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 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 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	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
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	< 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	< 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
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	< 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	< 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
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	< 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	< 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
2-Butanone (MEK)	µg/L	38,000	< 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 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
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 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 J	NA	NA	NA	NA	NA	NA
Acetone	µg/L	2,100	< 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 J	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	< 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	< 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
Bromoform	µg/L	80	< 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 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	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
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	< 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	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	&lt							

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	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
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
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	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	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	< 1.0	< 1.0	< 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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.13 J	< 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	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
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-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	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
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	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	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	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	< 20	< 1.0	< 1.0	< 10	< 10	< 10	< 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	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	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	< 40	< 13	< 27	< 40	< 40	< 40	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	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	< 20	< 1.0	< 1.0	< 10	< 10	< 10	< 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	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	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	< 6.3	< 10	< 20	< 6.7	< 13	< 20	< 20	< 20	< 20	< 1.0	< 1.0	< 10	< 10	< 10	< 1.0	
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	230	380	520	210	270	240	240	180	180	270	340	260 J	290	160	190
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
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
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
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
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
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
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
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
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
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
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

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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-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	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
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	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
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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0 J	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 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	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
1,1-Dichloroethene	µg/L	7.0	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	< 25	< 25	0.37 J	< 25	< 25	< 100	< 10	< 5.0	0.78 J	0.90 J	0.46 J	< 1.7	< 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	< 25	< 5.0	< 13	< 5.0	< 8.4	< 5.0	< 5.0	< 5.0	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0 J	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	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	< 5.0	< 1.0	< 2.5	0.55 J	< 1.7	0.57 J	0.21 J	< 1.0	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	0.21 J	< 1.0	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	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	< 50	< 10	< 25	< 10	< 17	< 10	< 10	< 10 J	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	< 5,000	< 5,000	< 670	< 1,000	< 670	< 330	< 100	< 170 J	NA	NA	NA	NA	NA	NA	NA	< 50	< 10	< 25	< 10	< 17	< 10	< 10	< 10 J	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	< 50	< 10	< 25	< 10	< 17	< 10	< 10	< 10	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0 J	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	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	< 25	< 5.0	< 13	< 5.0	< 8.4	< 5.0	< 5.0	< 5.0	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0 J	< 1.0	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	< 5.0	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene																																

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	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	
Methyl-tert-butyl ether	µg/L	40	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	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
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	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	NA	NA	NA	NA	NA	NA	NA	7.9	< 1.0	< 2.5	< 1.0	< 1.7	< 1.0	< 1.0	< 1.0	< 1.0	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	< 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
Toluene	µg/L	790	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	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
Total Xylenes	µg/L	280	< 1,000	< 1,000	< 130	< 200	< 130	< 67	< 20	< 33	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
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	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	
trans-1,3-Dichloropropene	µg/L	NS	< 500	< 500	< 67	< 100	< 67	< 33	< 10	< 17	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
Trichloroethene	µg/L	5.0	< 500	< 500	< 67	< 100	< 67	< 33	2.7 J	< 17	< 25	< 25	< 1.0	< 25	< 25	< 100	< 10	< 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	150	13	57	38	30	66	32	17	87	20	32	17	47	40	21	
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-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	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
Semi-volatile Organic Compounds (SVOCs)																																
1,4-Dioxane	µg/L	350	0.72 J	< 2.0 UB	0.52 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.91 J	< 2.0	< 2.0	9.5	2.1	7.7	12	6.2	NA	6.5	1.6 J	< 2.0	5.3	2.5	< 2.0	6.7	9.6	4.4
Volatile Organic Compounds (VOCs)																																
1,1,1-Trichloroethane	µg/L	200	< 5.0	2.2 J	< 10	1.9 J	2.0	3.1 J	2.2 J	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
1,1,2,2-Tetrachloroethane	µg/L	35	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	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
1,1,2-Trichloroethane	µg/L	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	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
1,1-Dichloroethane	µg/L	2,500	3.7 J	3.5 J	4.6 J	2.9 J	4.0	5.1	4.0	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
1,1-Dichloroethene	µg/L	7.0	< 5.0	< 4.0	< 10	< 5.0 J	0.43 J	< 5.0	< 2.5	< 4.0	0.59 J	0.42 J	< 2.5	< 2.0	< 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
1,2,3-Trimethylbenzene	µg/L	NS	< 25	< 20	< 50	< 25 J	< 8.4	< 25	< 13	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	µg/L	70	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	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
1,2,4-Trimethylbenzene	µg/L	63	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	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
1,2-Dibromo-3-chloropropane	µg/L	0.2	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	µg/L	0.05	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	µg/L	600	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	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
1,2-Dichloroethane	µg/L	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	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
1,2-Dichloropropane	µg/L	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	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
1,3,5-Trimethylbenzene	µg/L	72	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	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
1,3-Dichlorobenzene	µg/L	19	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	0.27 J	< 1.0	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	µg/L	75	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	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
2-Butanone (MEK)	µg/L	38,000	< 50	< 40	< 100	< 50 J	< 17	< 50	< 25	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	1.5 J	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	< 50	< 40	< 100	< 50 J	< 17	< 50	< 25	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	NA	< 10	< 10 J	NA	NA	NA	NA	NA	NA	NA
Acetone	µg/L	2,100	< 50	< 40	< 100	< 50 J	< 17	< 50	< 25	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	5.1 J	< 10	< 10 UB	< 10	NA	< 10	8.4 J	NA	NA	NA	NA	NA	NA	NA
Benzene	µg/L	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	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
Bromodichloromethane	µg/L	80	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	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
Bromoform	µg/L	80	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA
Bromomethane	µg/L	29	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	µg/L	2,300	< 25	< 20	< 50	< 25 J	< 8.4	< 25	< 13	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	< 5.0	< 5.0 J	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	µg/L	5.0	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	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-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	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
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	< 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
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	< 5.0	< 4.0	< 10	< 5.0 J	< 1.7	< 5.0	< 2.5	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
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	< 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
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	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	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	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	< 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
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	< 1.0	< 1.0	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	< 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
Vinyl chloride	µg/L	2.0	120	110	220	88 J	59	100	44	120	94	96	74	85	100	130 J	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
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	6,000	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):	Unit	EGLE Non-Residential Drinking Water Criteria	MW-49														MW-50														
			12.5-17.5														16-21														
Date:			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	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
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	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
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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	0.48 J	< 5.0	< 6.7	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	< 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
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	< 25	< 20	< 25	< 25	< 25	< 5.0	< 25	< 33	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 50	< 40	< 50	< 50	< 50	< 10	< 50	< 67	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
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	< 50	< 40	< 50	< 50	< 50	< 10	< 50	< 67	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	< 50	< 40	< 50	< 50	< 50	< 10	< 50	< 67	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 25	< 20	< 25	< 25	< 25	< 5.0	< 25	< 33	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	µg/L	100	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	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
Chlorodibromomethane	µg/L	80	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500 J	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
Chloroethane	µg/L	1,700	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	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
Chloroform	µg/L	80	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	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
Chloromethane	µg/L	1,100	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	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
cis-1,2-Dichloroethene	µg/L	70	43,000	29,000 J	20,000	17,000	15,000	22,000	37,000	19,000	28,000	23,000	18,000	26,000	13,000	38,000	13	15	23	22	12	17	16	20	9.4	5.2	5.8	11	13	18	2.3 J
cis-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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	µg/L	NS	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	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
Dichloromethane	µg/L	5.0	1,100 J	< 5,000	< 8,300	940 J	< 2,500	< 5,000	< 13,000	NA	NA	NA	NA	NA	NA	NA	< 25	< 20	< 25	3.5 J	< 25	< 5.0	< 25	< 33	NA	NA	NA	NA	NA	NA	NA
Diethyl ether	µg/L	10	< 4,000	< 2,000	< 3,300	< 3,300	< 1,000	< 2,000	< 5,000	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-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	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
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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	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
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	< 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
Toluene	µg/L	790	< 2,000	< 1,000	< 1,700	< 1,700	< 500	< 1,000	< 2,500	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
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	< 10	< 8.0	< 10	< 10	< 10	< 2.0	< 10	< 13	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	< 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
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	< 5.0	< 4.0	< 5.0	< 5.0	< 5.0	< 1.0	< 5.0	< 6.7	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	< 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
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	48	140	150	76	150	97	99	170	200	120	120	110	180	240	57
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-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	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
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	< 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
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	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	< 5.0	< 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	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	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	< 5.0	< 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	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	< 5.0	< 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	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
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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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	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		
Semi-volatile Organic Compounds (SVOCs)																																
1,4-Dioxane	µg/L	350	1.1 J	2.0	0.61 J	1.1 J	1.4 J	1.6 J	1.8 J	1.7 J	2.5	1.5 J	1.3 J	1.5 J	NA	1.5 J	1.5 J	1.5 J	2.0	2.7	1.7 J	1.4 J	2.6	3.0	2.2	2.4	2.5	1.9 J	1.8 J	1.9 J		
Volatile Organic Compounds (VOCs)																																
1,1,1-Trichloroethane	µg/L	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	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		
1,1,2,2-Tetrachloroethane	µg/L	35	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	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		
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	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		
1,1,2-Trichloroethane	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	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		
1,1-Dichloroethane	µg/L	2,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	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		
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	< 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		
1,2,3-Trimethylbenzene	µg/L	NS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 J	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	< 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 J	< 1.0	< 1.0	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		
1,2,4-Trimethylbenzene	µg/L	63	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	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		
1,2-Dibromo-3-chloropropane	µg/L	0.2	< 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	< 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 J	< 1.0	< 1.0	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		
1,2-Dichlorobenzene	µg/L	600	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	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		
1,2-Dichloroethane	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	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		
1,2-Dichloropropane	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	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		
1,3,5-Trimethylbenzene	µg/L	72	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	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		
1,3-Dichlorobenzene	µg/L	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.26 J	NA	NA	NA	NA	NA	NA		
1,4-Dichlorobenzene	µg/L	75	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	0.18 J	< 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		
2-Butanone (MEK)	µg/L	38,000	< 10	< 10	< 10	< 10	< 10	< 10 J	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 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		
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 10	< 10	< 10	< 10	< 10	< 10 J	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA		
Acetone	µg/L	2,100	< 10	< 10	< 10	< 10	< 10	< 10 J	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 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 J	< 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		
Bromodichloromethane	µg/L	80	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 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		
Bromoform	µg/L	80	< 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	< 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 J	< 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	NA	NA	NA	NA	NA	NA		
Carbon Disulfide	µg/L	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 J	< 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	NA	NA	NA	NA	NA	NA		
Carbon Tetrachloride	µg/L	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 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		
Trichlorofluoromethane (CFC-11)	µg/L	7,300	< 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	< 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 J	< 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		
Chlorobenzene																																

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	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		
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	< 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 J	< 1.0	< 1.0	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		
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		
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	< 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	< 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 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		
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	< 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		
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	0.88 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		
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-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	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	6/11/2019	9/25/2019	11/20/2019	2/12/2020	8/11/2020	11/6/2020
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	1.2 J	1.4 J	0.96 J	1.2 J	1.1 J	1.6 J	< 2.0	1.2 J	< 2.0	0.65 J	< 2.0	1.1 J	1.8 J	2.8	2.6	1.8 J	1.4 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	< 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
1,1,2,2-Tetrachloroethane	µg/L	35	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
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	NA	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	NA	NA	NA
1,1,2-Trichloroethane	µg/L	5.0	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	NA	NA	NA	NA	NA
1,1-Dichloroethane	µg/L	2,500	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
1,1-Dichloroethene	µg/L	7.0	< 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	< 5.0	< 1.0	< 1.0	< 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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	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	< 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
1,2,4-Trimethylbenzene	µg/L	63	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
1,2-Dibromo-3-chloropropane	µg/L	0.2	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
1,2-Dibromoethane	µg/L	0.05	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
1,2-Dichlorobenzene	µg/L	600	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
1,2-Dichloroethane	µg/L	5.0	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	NA	NA	NA	NA	NA
1,2-Dichloropropane	µg/L	5.0	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	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	µg/L	72	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
1,3-Dichlorobenzene	µg/L	19	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
1,4-Dichlorobenzene	µg/L	75	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.25 J	< 1.0	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	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	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
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	NA	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	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	< 10	< 10	< 10	< 10 UB	< 10	< 10	< 10	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	< 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
Bromodichloromethane	µg/L	80	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
Bromoform	µg/L	80	NA	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	NA	NA	NA
Bromomethane	µg/L	29	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
Carbon Disulfide	µg/L	2,300	NA	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	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	< 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
Dichlorodifluoromethane (CFC-12)	µg/L	4,800	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
Chlorobenzene	µg/L	100	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
Chlorodibromomethane	µg/L	80	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
Chloroethane	µg/L	1,700	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
Chloroform	µg/L	80	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
Chloromethane	µg/L	1,100	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	µg/L	70	0.26 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	0.19 J	< 1.0	< 1.0	0.89 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	0.79 J	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene	µg/L	NS	NA	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0													

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-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	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	6/11/2019	9/25/2019	11/20/2019	2/12/2020	8/11/2020	11/6/2020
Methyl-tert-butyl ether	µg/L	40	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
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
Styrene (Monomer)	µg/L	100	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
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 J	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	µg/L	790	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
Total Xylenes	µg/L	280	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
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	< 5.0	< 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	< 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
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 J	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	2.0	< 1.0	< 1.0	< 1.0 J	< 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	0.34 J	< 1.0	< 1.0	0.35 J	< 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
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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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	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
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	< 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
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	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	< 1.0	< 1.0	< 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	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	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	< 1.0	< 1.0	< 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	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	< 1.0	< 1.0	< 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	0.31 J	0.38 J	< 1.0	< 1.0	0.21 J	< 5.0	< 3.3	< 2.5	< 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
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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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													MW-62														
			15-20													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	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
Semi-volatile Organic Compounds (SVOCs)																														
1,4-Dioxane	µg/L	350	10	8.0	9.6	3.6	2.2	3.9	6.2	11	8.6	9.0	4.1	2.6	3.1	2.8	3.7	3.7	2.1	1.5 J	3.1	2.3	2.4	2.0	3.1	3.0	4.7	4.2	4.8	3.2
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA
1,1,2,2-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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA
1,1,2-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	< 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	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	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	< 5.0	< 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
1,2,3-Trimethylbenzene	µg/L	NS	< 5.0	< 5.0	< 5.0	NA	< 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	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	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 J	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
1,2-Dibromoethane	µg/L	0.05	< 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 J	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	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	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	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	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	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.27 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	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 J	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	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 J	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	NA
Acetone	µg/L	2,100	< 10	< 10	< 10	< 10 UB	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	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	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	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
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	< 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	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 J	NA	NA	NA	NA	NA	NA	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 J	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	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	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	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.1							

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-58													MW-62														
			15-20													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	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
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	< 1.0	< 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
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
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	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 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	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	< 1.0	< 1.0	< 1.0	< 5.0	< 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
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
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	< 1.0	< 1.0	< 1.0	< 1.0	< 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	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	
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

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-63																MW-64															
			7-12																15-20															
			4/21/2017	5/25/2017	7/31/2017	11/13/2017	2/7/2018	5/9/2018	8/6/2018	10/24/2018	2/28/2019	6/12/2019	9/20/2019	11/5/2019	2/11/2020	5/26/2020	8/6/2020	11/2/2020	4/24/2017	7/27/2017	11/7/2017	2/9/2018	5/10/2018	8/13/2018	11/5/2018	2/28/2019	6/11/2019	9/27/2019	11/15/2019	2/3/2020	5/26/2020	8/5/2020	11/10/2020	
Semi-volatile Organic Compounds (SVOCs)																																		
1,4-Dioxane	µg/L	350	19	NA	< 2.0 UB	< 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	0.32 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.50 J	< 2.0	< 2.0	< 2.0	< 2.0
Volatile Organic Compounds (VOCs)																																		
1,1,1-Trichloroethane	µg/L	200	< 1,000	< 1,000	< 100	< 10	< 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	
1,1,2,2-Tetrachloroethane	µg/L	35	< 1,000	< 1,000	< 100	< 10	< 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	
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	< 1,000	< 1,000	< 100	< 10	< 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	
1,1,2-Trichloroethane	µg/L	5.0	< 1,000	< 1,000	< 100	< 10	< 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	
1,1-Dichloroethane	µg/L	2,500	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	0.21 J	< 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	
1,1-Dichloroethene	µg/L	7.0	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 5,000	< 5,000	< 500	< 50	< 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	NA	NA	NA	NA	NA	NA	
1,2,4-Trichlorobenzene	µg/L	70	< 1,000	< 1,000	< 100	< 10	< 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	
1,2,4-Trimethylbenzene	µg/L	63	< 1,000	< 1,000	< 100	< 10	< 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	
1,2-Dibromo-3-chloropropane	µg/L	0.2	< 1,000	< 1,000	< 100	< 10	< 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 J	NA	NA	NA	NA	NA	NA	
1,2-Dibromoethane	µg/L	0.05	< 1,000	< 1,000	< 100	< 10	< 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	
1,2-Dichlorobenzene	µg/L	600	< 1,000	< 1,000	< 100	< 10	< 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	
1,2-Dichloroethane	µg/L	5.0	< 1,000	< 1,000	< 100	< 10	< 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	
1,2-Dichloropropane	µg/L	5.0	< 1,000	< 1,000	< 100	< 10	< 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	
1,3,5-Trimethylbenzene	µg/L	72	< 1,000	< 1,000	< 100	< 10	< 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	
1,3-Dichlorobenzene	µg/L	19	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	0.27 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	< 1.0	NA	NA	NA	NA	NA	NA	
1,4-Dichlorobenzene	µg/L	75	< 1,000	< 1,000	< 100	< 10	< 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	
2-Butanone (MEK)	µg/L	38,000	< 10,000	< 10,000	< 1,000	< 100	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 10	< 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	NA	NA	
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 10,000	< 10,000	< 1,000	< 100	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	
Acetone	µg/L	2,100	< 10,000	< 10,000	< 1,000	< 100	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	
Benzene	µg/L	5.0	< 1,000	< 1,000	< 100	< 10	< 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	
Bromodichloromethane	µg/L	80	< 1,000	< 1,000	< 100	< 10	< 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	
Bromoform	µg/L	80	< 1,000	< 1,000	< 100	< 10	< 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	
Bromomethane	µg/L	29	< 1,000	< 1,000	< 100	< 10	< 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		
Carbon Disulfide	µg/L	2,300	< 5,000	< 5,000	< 500	< 50	< 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	NA	NA	NA	NA	NA	NA	
Carbon Tetrachloride	µg/L	5.0	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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-63																MW-64															
			7-12																15-20															
			4/21/2017	5/25/2017	7/31/2017	11/13/2017	2/7/2018	5/9/2018	8/6/2018	10/24/2018	2/28/2019	6/12/2019	9/20/2019	11/5/2019	2/11/2020	5/26/2020	8/6/2020	11/2/2020	4/24/2017	7/27/2017	11/7/2017	2/9/2018	5/10/2018	8/13/2018	11/5/2018	2/28/2019	6/11/2019	9/27/2019	11/15/2019	2/3/2020	5/26/2020	8/5/2020	11/10/2020	
Methyl-tert-butyl ether	µg/L	40	< 1,000	< 1,000	< 100	< 10	< 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	NA	
Styrene (Monomer)	µg/L	100	13,000	13,000	3,900	320	0.23 J	< 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	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1,000	< 1,000	< 100	< 10	< 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	
Total Xylenes	µg/L	280	< 2,000	< 2,000	< 200	< 20	< 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	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	0.30 J	0.29 J	< 1.0	0.42 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	< 1,000	< 1,000	< 100	< 10	< 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	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	< 1,000	< 1,000	< 100	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.24 J	< 1.0	< 1.0	0.67 J	< 1.0	< 1.0	2.4	4.8	7.0	6.7	1.3	5.9	3.0	3.4	1.7	9.9	7.3	0.69 J	1.3	3.4	4.3	
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	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	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:		EGLE Non-Residential Drinking Water Criteria	MW-65															MW-66														
			16-21															15-20														
	Unit		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	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
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	< 1.0	< 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	< 2.0	< 4.0	< 2.0	< 2.0	< 2.0	< 1.0	< 2.0	< 2.5	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	< 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
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	< 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	< 4.0	< 8.0	< 4.0	< 4.0	< 4.0	< 2.0	< 4.0	< 5.0	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	< 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
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	< 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
Vinyl chloride	µg/L	2.0	61	49	48	36	41	35	48	34	41	25	45	20	34	20	17	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
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-67															MW-68															
			9-14															15-20															
			4/21/2017	7/31/2017	11/14/2017	2/12/2018	5/14/2018	8/13/2018	10/25/2018	2/28/2019	6/13/2019	9/20/2019	11/6/2019	2/13/2020	5/26/2020	8/7/2020	11/2/2020	4/24/2017	8/1/2017	11/10/2017	2/12/2018	5/15/2018	8/9/2018	10/25/2018	2/27/2019	6/12/2019	9/25/2019	11/7/2019	2/12/2020	5/26/2020	8/10/2020	11/3/2020	
Semi-volatile Organic Compounds (SVOCs)																																	
1,4-Dioxane	µg/L	350	1.8 J	< 2.0 UB	< 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	0.40 J	< 2.0 UB	0.73 J	0.54 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.57 J	< 2.0	< 2.0	< 2.0	< 2.0	
Volatile Organic Compounds (VOCs)																																	
1,1,1-Trichloroethane	µg/L	200	2.3 J	2.0 J	2.1 J	< 3.3	0.94 J	0.80 J	1.3 J	0.78 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
1,1,2,2-Tetrachloroethane	µg/L	35	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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 J	NA	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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-Trichloroethane	µg/L	5.0	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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-Dichloroethane	µg/L	2,500	< 10	1.0 J	< 5.0	< 3.3	0.25 J	< 2.5	< 3.3	0.49 J	NA	NA	NA	NA	NA	NA	NA	1.6	1.7	3.7	2.0	1.4	1.9	2.1	1.4	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	µg/L	7.0	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	< 3.3	< 1.0	0.34 J	< 3.3	< 3.3	< 2.5	< 2.5	< 1.0	< 1.0	0.39 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	< 2.0
1,2,3-Trimethylbenzene	µg/L	NS	< 50	< 20	< 25	< 17	NA	< 13	< 17	< 13	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	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	µg/L	70	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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
1,2,4-Trimethylbenzene	µg/L	63	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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-Dibromo-3-chloropropane	µg/L	0.2	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5 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 J	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	µg/L	0.05	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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 J	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	µg/L	600	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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-Dichloroethane	µg/L	5.0	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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-Dichloropropane	µg/L	5.0	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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
1,3,5-Trimethylbenzene	µg/L	72	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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
1,3-Dichlorobenzene	µg/L	19	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.25 J	< 1.0	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	µg/L	75	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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
2-Butanone (MEK)	µg/L	38,000	< 100	< 40	< 50	< 33	< 10	< 25	< 33	< 25	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	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	< 100	< 40	< 50	< 33	< 10	< 25	< 33	< 25	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	NA
Acetone	µg/L	2,100	< 100	< 40	< 50	< 33	< 10 UB	< 25	< 33	< 25	NA	NA	NA	NA	NA	NA	NA	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 J	NA	NA	NA	NA	NA	NA	NA
Benzene	µg/L	5.0	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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
Bromodichloromethane	µg/L	80	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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
Bromoform	µg/L	80	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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 J	NA	NA	NA	NA	NA	NA	NA
Bromomethane	µg/L	29	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5 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
Carbon Disulfide	µg/L	2,300	< 50	< 20	< 25	< 17	< 5.0	< 13	< 17	< 13	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 J	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	µg/L	5.0	< 10	< 4.0	<																												

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-67															MW-68														
			9-14															15-20														
			4/21/2017	7/31/2017	11/14/2017	2/12/2018	5/14/2018	8/13/2018	10/25/2018	2/28/2019	6/13/2019	9/20/2019	11/6/2019	2/13/2020	5/26/2020	8/7/2020	11/2/2020	4/24/2017	8/1/2017	11/10/2017	2/12/2018	5/15/2018	8/9/2018	10/25/2018	2/27/2019	6/12/2019	9/25/2019	11/7/2019	2/12/2020	5/26/2020	8/10/2020	11/3/2020
Methyl-tert-butyl ether	µg/L	40	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	NA	NA	NA	NA	NA	NA	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 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	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	< 3.3	< 1.0	< 1.0	< 3.3	< 3.3	< 2.5	< 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	< 2.0
Toluene	µg/L	790	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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
Total Xylenes	µg/L	280	< 20	< 8.0	< 10	< 6.7	< 2.0	< 5.0	< 6.7	< 5.0	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	< 10	2.4 J	1.7 J	1.1 J	0.75 J	0.78 J	0.88 J	1.4 J	< 3.3	1.7	1.7	0.79 J	< 3.3	1.2 J	1.2 J	1.9	1.9	1.5	1.8	1.4	1.7	2.1	3.6	4.0	4.2	5.3	4.0	3.9	4.9	4.5
trans-1,3-Dichloropropene	µg/L	NS	< 10	< 4.0	< 5.0	< 3.3	< 1.0	< 2.5	< 3.3	< 2.5	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	94	91	110	83	57	60	69	41	< 3.3	70	70	45	49	64	67	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	0.26 J	< 1.0 UB	0.50 J	0.52 J	< 1.0	< 1.0	< 2.0
Vinyl chloride	µg/L	2.0	14	< 4.0	< 5.0	< 3.3	1.3	< 2.5	< 3.3	1.7 J	< 3.3	0.72 J	0.91 J	< 3.3	< 3.3	< 2.5	< 2.5	12	2.1	18	2.5	2.1	2.2	2.1	17	19	6.8	17	10	11	5.0	5.3
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

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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	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
Semi-volatile Organic Compounds (SVOCs)																															
1,4-Dioxane	µg/L	350	12	35	23	7.3	7.1	12	5.0	6.7	5.3	4.1	5.0	4.1	4.9	5.9	0.76 J	< 2.0 UB	1.1 J	0.91 J	3.0	1.6 J	2.2	6.5	3.9	4.2	5.2	4.5	3.9	2.8	4.5
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	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	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	NA	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
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	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	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	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
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	2.4 J	3.3 J	3.4 J	< 13	2.2 J	< 13	2.5 J	2.3 J	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	< 6.7	< 10	< 10	< 13	2.1 J	< 13	1.3 J	< 10	< 10	< 5.0	1.5	< 13	< 10	< 10	< 6.3
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	< 33	< 50	< 50	< 67	NA	< 63	< 20	< 50	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	NA	NA	NA	NA	NA	NA	NA	< 6.7	< 10	< 10	< 13	< 3.3 UB	< 13	< 4.0	< 10	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	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
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 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
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	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	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	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
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	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	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	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
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	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	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	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
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	< 6.7	< 10	< 10	< 13	< 3.3 UB	< 13	< 4.0	< 10	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	µg/L	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 67	< 100	< 100	< 130	< 33	< 130	< 40	< 100 J	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
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 67	< 100	< 100	< 130	< 33	< 130	< 40	< 100 J	NA	NA	NA	NA	NA	NA	NA
Acetone	µg/L	2,100	4.4 J	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA	NA	< 67	< 100	< 100	< 130	< 33 UB	< 130	< 40	< 100	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	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
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	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	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 J	NA	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
Bromomethane	µg/L	29	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	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
Carbon Disulfide	µg/L	2,300	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	< 33	< 50	< 50	< 67	< 17	< 63	< 20	< 50	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	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
Trichlorofluoromethane (CFC-11)	µg/L	7,300	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	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
Dichlorodifluoromethane (CFC-12)	µg/L	4,800	< 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-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	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	
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	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10 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	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	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	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	< 10	< 5.0	< 1.0	< 13	< 10	< 10	< 6.3	
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	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	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	< 13	< 20	< 20	< 27	< 6.7	< 25	< 8.0	< 20	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	3.8 J	4.2 J	5.1 J	4.4 J	3.0 J	3.3 J	4.4	3.8 J	2.4 J	2.1 J	3.2	< 13	< 10	< 10	1.8 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	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	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	< 6.7	< 10	< 10	< 13	< 3.3	< 13	< 4.0	< 10	< 10	< 5.0	< 1.0	< 13	< 10	< 10	1.2 J	
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	120	100	140	160	210	190	210	350	230	340	440	370	400	330	550	
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-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	4/23/2019	6/12/2019	9/25/2019	11/15/2019	2/18/2020	8/18/2020	11/12/2020	4/23/2019	6/13/2019	9/25/2019	11/15/2019	2/18/2020	
Semi-volatile Organic Compounds (SVOCs)																														
1,4-Dioxane	µg/L	350	4.3	1.4 J	0.72 J	0.57 J	0.38 J	0.95 J	1.1 J	< 2.0	1.6 J	1.3 J	1.3 J	< 2.0	0.98 J	1.0 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	
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	NA	NA	NA	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	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	< 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	NA	NA	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	NA	NA	NA	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	< 1.0	< 1.0	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	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	NA	NA	NA	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	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	< 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	
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	NA	NA	NA	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	NA	NA	NA	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	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	< 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	
1,3-Dichlorobenzene	µg/L	19	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.16 J	< 1.0	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	< 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	
2-Butanone (MEK)	µg/L	38,000	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	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	NA	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	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	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	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	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	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	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	< 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	NA	NA	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	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
cis-1,2-Dichloroethene	µg/L	70	< 1.0	< 1.0	0.39 J	0.37 J	0.40 J	0.34 J	0.36 J	0.30 J	0.42 J	0																		

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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	4/23/2019	6/12/2019	9/25/2019	11/15/2019	2/18/2020	8/18/2020	11/12/2020	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			
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			
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			
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				
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			
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			
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 J	< 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			
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			
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			
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			
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			
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	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			
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	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	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			

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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							MW-122					MW-124							MW-194				MW-194S				
			4/23/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	8/22/2020	11/14/2020	9/25/2019	11/20/2019	2/13/2020	8/12/2020	11/5/2020	4/23/2019	6/13/2019	9/30/2019	11/15/2019	2/20/2020	8/27/2020	11/17/2020	11/20/2019	2/10/2020	8/12/2020	11/13/2020	11/20/2019	2/10/2020	8/13/2020	11/13/2020	
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	1.9 J	0.93 J	1.3 J	< 2.0	1.1 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.5 J	1.7 J	2.3	2.1	< 2.0	< 2.0	< 2.0	1.8 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	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	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	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	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	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	
1,2,3-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	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	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	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	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	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	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	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	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	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	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	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	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	< 5.0	NA	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.7	1.8	2.1	2.3	1.8	2.4	2.6	< 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	NA	NA	NA	NA	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	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	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	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	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	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	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	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	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-120								MW-122					MW-124								MW-194				MW-194S			
			7-12								16-21					5-10								12-17				2-7			
			4/23/2019	6/15/2019	9/28/2019	11/23/2019	2/8/2020	8/22/2020	11/14/2020	9/25/2019	11/20/2019	2/13/2020	8/12/2020	11/5/2020	4/23/2019	6/13/2019	9/30/2019	11/15/2019	2/20/2020	8/27/2020	11/17/2020	11/20/2019	2/10/2020	8/12/2020	11/13/2020	11/20/2019	2/10/2020	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	
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	< 1.0	NA	NA	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	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	NA	NA	NA	NA	NA	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
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	< 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
Trichloroethene	µg/L	5.0	3.7	4.3	5.9	4.8	2.8	4.5	4.2	< 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	< 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	2.4	2.6	2.1	1.4	2.6	0.32 J	0.40 J	< 1.0	0.19 J	0.27 J	0.41 J	0.29 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
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-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	11/20/2019	2/11/2020	8/13/2020	11/16/2020	11/20/2019	2/11/2020	8/14/2020	11/16/2020	11/25/2019	2/11/2020	8/19/2020	11/18/2020	11/25/2019	2/12/2020	8/19/2020	11/17/2020	11/20/2019	2/12/2020	8/19/2020	11/17/2020	11/25/2019	2/12/2020	8/19/2020	11/18/2020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 2.0	< 2.0	< 2.0	< 2.0	&

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-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	11/20/2019	2/11/2020	8/13/2020	11/16/2020	11/20/2019	2/11/2020	8/14/2020	11/16/2020	11/25/2019	2/11/2020	8/19/2020	11/18/2020	11/25/2019	2/12/2020	8/19/2020	11/17/2020	11/20/2019	2/12/2020	8/19/2020	11/17/2020	11/25/2019	2/12/2020	8/19/2020	11/18/2020
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
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
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
Tetrachloroethene	µg/L	5.0	< 10	< 100	< 100	< 100	< 2.0	< 25	< 25	< 25	< 1.0	< 1.0	< 4.0	< 4.0	< 1.0	< 1.0	< 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
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
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
trans-1,2-Dichloroethene	µg/L	100	150	100	170	140	55	65	94	94	1.7	1.3	2.1 J	1.9 J	0.43 J	0.89 J	< 5.0	1.6 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
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
Trichloroethene	µg/L	5.0	3,400	2,300	3,900	2,400	490	520	490	610	78	39	170	34	14	31	92	93	< 1.0	< 1.0	< 1.0	< 1.0	0.43 J	0.27 J	0.69 J	0.67 J	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	2.0	16	< 100	< 100	< 100	< 2.0	< 25	< 25	< 25	< 1.0	< 1.0	< 4.0	< 4.0	2.1	2.2	< 5.0	2.5 J	< 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
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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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-200				MW-200S					MW-201				MW-201S				MW-208S				MW-209S				MW-210S				
			15-20				5-10					17-22				3.5-8.5				9-14				8-13				8-13				
			11/21/2019	2/12/2020	8/24/2020	11/19/2020	11/21/2019	2/12/2020	8/18/2020*	8/24/2020	11/19/2020	11/19/2019	2/13/2020	8/20/2020	11/19/2020	11/19/2019	2/10/2020	8/20/2020	11/19/2020	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/8/2020	5/30/2020	8/15/2020	11/14/2020	
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	< 2.0	1.2 J	0.97 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	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	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	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	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	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	< 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
1,2,3-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	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	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	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	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	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	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	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	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	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	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	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	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	NA	NA	NA	NA	NA	NA	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.19 J	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.17 J	< 1.0	0.38 J	0.35 J	8.6	5.7	14	17	
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	NA	NA	NA
Cyclohexane	µg/L	NS	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-200				MW-200S					MW-201				MW-201S				MW-208S				MW-209S				MW-210S							
			15-20				5-10					17-22				3.5-8.5				9-14				8-13				8-13							
			11/21/2019	2/12/2020	8/24/2020	11/19/2020	11/21/2019	2/12/2020	8/18/2020*	8/24/2020	11/19/2020	11/19/2019	2/13/2020	8/20/2020	11/19/2020	11/19/2019	2/10/2020	8/20/2020	11/19/2020	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/8/2020	5/30/2020	8/15/2020	11/14/2020				
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				
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	NA	NA	NA	NA	NA	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				
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			
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			
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	< 5.0	< 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	0.98 J	0.68 J	1.5	2.0			
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			
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	< 5.0	< 1.0	0.18 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			
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	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.29 J	< 1.0	< 1.0	0.37 J	12	6.1	12	17
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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Location: Screen Interval (ft. bgs): Date:	Unit	EGLE Non-Residential Drinking Water Criteria	MW-211S				MW-212S				MW-213S				MW-218S			MW-219S			MW-220S			MW-221S			MW-222S			MW-224S		
			7-12				6.5-11.5				6-11				9-14			7-12			6-11			6.5-11.5			5.5-10.5			7-12		
			2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/8/2020	5/30/2020	8/15/2020	11/14/2020	2/20/2020	8/11/2020	11/11/2020	2/6/2020	8/11/2020	11/18/2020	2/4/2020	8/11/2020	11/11/2020	2/4/2020	8/12/2020	11/16/2020	2/6/2020	8/12/2020	11/12/2020	2/4/2020	8/12/2020	11/9/2020
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	
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	NA	NA	NA	NA	NA	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	
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
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
trans-1,2-Dichloroethene	µg/L	100	< 1.0	< 1.0	< 1.0	< 1.0	0.20 J	0.19 J	< 1.0	0.37 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	NA	NA	NA	NA	NA	NA	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	0.37 J	0.39 J	< 1.0	0.14 J	< 1.0	0.28 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.12 J	< 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
Vinyl chloride	µg/L	2.0	< 1.0	< 1.0	< 1.0	< 1.0	0.84 J	0.53 J	< 1.0	0.81 J	0.79 J	1.3	0.81 J	0.92 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
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	PW-16-01														PW-16-02														
			9.7-19.7														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	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	
Semi-volatile Organic Compounds (SVOCs)																															
1,4-Dioxane	µg/L	350	< 2.0	14	0.76 J	< 2.0	< 2.0	1.3 J	< 2.0	3.0	1.3 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0 UB	< 2.0	< 2.0	< 2.0	< 2.0	1.5 J	1.4 J	< 2.0	< 2.0	1.4 J	< 2.0	< 2.0	< 2.0	1.2 J	1.1 J
Volatile Organic Compounds (VOCs)																															
1,1,1-Trichloroethane	µg/L	200	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
1,1,2,2-Tetrachloroethane	µg/L	35	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 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	< 200	< 14	< 14	< 40	< 40	< 1.0	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
1,1,2-Trichloroethane	µg/L	5.0	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
1,1-Dichloroethane	µg/L	2,500	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
1,1-Dichloroethene	µg/L	7.0	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	< 100	< 100	< 1.0	< 1.0	< 1.0	< 13	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 3.3	< 2.5	
1,2,3-Trimethylbenzene	µg/L	NS	< 5.0	< 1,000	< 71	< 71	< 200	< 200	< 5.0	NA	NA	NA	NA	NA	NA	NA	< 25	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	µg/L	70	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
1,2,4-Trimethylbenzene	µg/L	63	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
1,2-Dibromo-3-chloropropane	µg/L	0.2	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0 J	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
1,2-Dibromoethane	µg/L	0.05	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0 J	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
1,2-Dichlorobenzene	µg/L	600	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
1,2-Dichloroethane	µg/L	5.0	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
1,2-Dichloropropane	µg/L	5.0	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
1,3,5-Trimethylbenzene	µg/L	72	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
1,3-Dichlorobenzene	µg/L	19	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
1,4-Dichlorobenzene	µg/L	75	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
2-Butanone (MEK)	µg/L	38,000	< 10	< 2,000	< 140	< 140	< 400	< 400	< 10 J	NA	NA	NA	NA	NA	NA	NA	< 50	< 10	< 10	< 10	< 10	< 20	< 10 J	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
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 10	< 2,000	< 140	< 140	< 400	< 400	< 10 J	NA	NA	NA	NA	NA	NA	NA	< 50	< 10	< 10	< 10	< 10	< 20	< 10 J	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	µg/L	2,100	< 10	< 2,000	< 140	32 J	< 400	< 400	< 10	NA	NA	NA	NA	NA	NA	NA	< 50	< 10	< 10	< 10	< 10	< 20	< 10	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	µg/L	5.0	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
Bromodichloromethane	µg/L	80	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
Bromoform	µg/L	80	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	µg/L	29	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
Carbon Disulfide	µg/L	2,300	< 5.0	< 1,000	< 71	< 71	< 200	< 200	< 5.0	NA	NA	NA	NA	NA	NA	NA	< 25	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	µg/L	5.0	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
Trichlorofluoromethane (CFC-11)	µg/L	7,300	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
Dichlorodifluoromethane (CFC-12)	µg/L	4,800	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
Chlorobenzene	µg/L	100	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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
Chlorodibromomethane	µg/L	80	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0 J	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
Chloroethane	µg/L	1,700	0.55 J	< 200	< 14	<																									

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														PW-16-02														
			9.7-19.7														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	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	
Methyl-tert-butyl ether	µg/L	40	< 1.0	< 200	< 14	< 14 J	< 40	< 40	< 1.0	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	
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	0.35 J	< 200	< 14	< 14	< 40	< 40	< 1.0	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	
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	< 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		
Toluene	µg/L	790	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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	
Total Xylenes	µg/L	280	< 2.0	< 400	< 29	< 29	< 80	< 80	< 2.0	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	
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	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 3.3	0.51 J	
trans-1,3-Dichloropropene	µg/L	NS	< 1.0	< 200	< 14	< 14	< 40	< 40	< 1.0	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	< 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		
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	160	2.0	18	< 1.0	71	62	0.94 J	< 1.0	59	0.40 J	< 1.0	0.54 J	85	120	
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	

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	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	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
Semi-volatile Organic Compounds (SVOCs)																													
1,4-Dioxane	µg/L	350	< 2.0 UB	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0 UB	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	7.2	3.9	5.8	3.9	5.0	2.7	5.3	4.6	2.8	2.2	2.0	1.8 J	1.2 J	1.0 J
Volatile Organic Compounds (VOCs)																													
1,1,1-Trichloroethane	µg/L	200	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	µg/L	35	< 10	< 13	< 33	< 33	< 25	< 25	< 100 J	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330 J	NA	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	µg/L	170,000	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	µg/L	5.0	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	µg/L	2,500	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	µg/L	7.0	< 10	< 13	< 33	< 33	< 25	< 25	< 100	< 33	< 20	0.57 J	< 13	< 13	< 10	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	< 250	< 330	15 J	< 330	< 330	< 250
1,2,3-Trimethylbenzene	µg/L	NS	< 50	< 63	< 170	< 170	< 130	< 130	< 500	NA	NA	NA	NA	NA	NA	< 3,100	< 2,500	< 2,000	< 5,000	< 2,500	< 1,300	< 2,500	< 1,700	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	µg/L	70	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	µg/L	63	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	µg/L	0.2	< 10	< 13	< 33	< 33	< 25	< 25	< 100 J	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330 J	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	µg/L	0.05	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	µg/L	600	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	µg/L	5.0	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	µg/L	5.0	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	µg/L	72	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	µg/L	19	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	µg/L	75	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	µg/L	38,000	< 100	< 130	< 330	< 330	< 250	< 250	< 1,000 J	NA	NA	NA	NA	NA	NA	< 6,300	< 5,000	< 4,000	< 10,000	< 5,000	< 2,500	< 5,000	< 3,300 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
4-Methyl-2-Pentanone (MIBK)	µg/L	5,200	< 100	< 130	< 330	< 330	< 250	< 250	< 1,000 J	NA	NA	NA	NA	NA	NA	< 6,300	< 5,000	< 4,000	< 10,000	< 5,000	< 2,500	< 5,000	< 3,300 J	NA	NA	NA	NA	NA	NA
Acetone	µg/L	2,100	< 100	< 130	< 330	68 J	< 250	< 250	< 1,000	NA	NA	NA	NA	NA	NA	< 6,300	< 5,000	< 4,000	< 10,000	< 5,000	< 2,500	< 5,000	< 3,300	NA	NA	NA	NA	NA	NA
Benzene	µg/L	5.0	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
Bromodichloromethane	µg/L	80	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
Bromoform	µg/L	80	< 10	< 13	< 33	< 33	< 25	< 25	< 100 J	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330 J	NA	NA	NA	NA	NA	NA
Bromomethane	µg/L	29	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
Carbon Disulfide	µg/L	2,300	< 50	< 63	< 170	< 170	< 130	< 130	< 500	NA	NA	NA	NA	NA	NA	< 3,100	< 2,500	< 2,000	< 5,000	< 2,500	< 1,300	< 2,500	< 1,700	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	µg/L	5.0	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane (CFC-11)	µg/L	7,300	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane (CFC-12)	µg/L	4,800	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA
Chlorobenzene	µg/L	100	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	NA	< 630	&												

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	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	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
Methyl-tert-butyl ether	µg/L	40	< 10	< 13	< 33	< 33 J	< 25	< 100 J	NA	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330 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
Styrene (Monomer)	µg/L	100	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA	
Tetrachloroethene	µg/L	5.0	< 10	< 13	< 33	< 33	< 25	< 25	< 100	< 33	< 20	< 1.0	< 13	< 13	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	< 250	< 330	< 25	< 330	< 330	< 250	
Toluene	µg/L	790	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	NA	NA	NA	NA	NA	NA	
Total Xylenes	µg/L	280	< 20	< 25	< 67	< 67	< 50	< 50	< 200	NA	NA	NA	NA	NA	< 1,300	< 1,000	< 800	< 2,000	< 1,000	< 500	< 1,000	< 670	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	< 630	< 500	< 400	< 1,000	< 500	56 J	< 500	130 J	< 250	< 330	48	< 330	< 330	< 250
trans-1,3-Dichloropropene	µg/L	NS	< 10	< 13	< 33	< 33	< 25	< 25	< 100	NA	NA	NA	NA	NA	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	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	< 630	< 500	< 400	< 1,000	< 500	< 250	< 500	< 330	< 250	< 330	< 25	< 330	< 330	< 250
Vinyl chloride	µg/L	2.0	210	320	380	720	680	830	750	550	420	480	370	190	300	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
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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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	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	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	
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	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	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	
Styrene (Monomer)	µg/L	100	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	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	
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	< 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	
Toluene	µg/L	790	< 4.0	< 3.3	< 10	< 2.5	< 2.0	< 6.7	< 1.7	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	
Total Xylenes	µg/L	280	< 8.0	< 6.7	< 20	< 5.0	< 4.0	< 13	< 3.3	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	
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	< 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	
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	< 4.0	< 4.0	< 6.7	< 6.7	< 2.5	< 1.0	< 3.3	< 3.3	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	< 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	
Vinyl chloride	µg/L	2.0	100	77	95	78	76	97	48	20	53	87	82	84	89	150	120	100	77	65	63	90	65	51	49	46	22	20	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	
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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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

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.

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-72	668.81	15.0-20.0	05/22/17	NP	6.98	19.31	NA	NA	661.83	661.83
			07/24/17	NP	8.60	19.60	NA	NA	660.21	660.21
			11/06/17	NP	9.20	19.54	NA	NA	659.61	659.61
			02/05/18	NP	8.58	19.86	NA	NA	660.23	660.23
			05/07/18	NP	6.83	19.63	NA	NA	661.98	661.98
			08/16/18	NP	8.68	NM	NA	NA	660.13	660.13
			11/19/18	NP	7.72	19.64	NA	NA	661.09	661.09
			02/22/19	NP	7.48	19.61	NA	NA	661.33	661.33
			06/14/19	NP	6.86	19.65	NA	NA	661.95	661.95
			09/26/19	NP	9.98	19.63	NA	NA	658.83	658.83
			11/04/19	NP	8.57	19.62	NA	NA	660.24	660.24
			02/05/20	NP	7.23	NM	NA	NA	661.58	661.58
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	8.76	NM	NA	NA	660.05	660.05
			11/20/20	NP	9.25	NM ⁽⁷⁾	NA	NA	659.56	659.56
MW-72S	668.96	3.0-13.0	03/05/19	NP	7.56	13.05	NA	NA	661.40	661.40
			06/14/19	NP	7.00	13.03	NA	NA	661.96	661.96
			09/26/19	NP	9.32	13.03	NA	NA	659.64	659.64
			11/04/19	NP	8.76	13.03	NA	NA	660.20	660.20
			02/05/20	NP	7.42	NM	NA	NA	661.54	661.54
			05/18/20	NP	7.29	13.02	NA	NA	661.67	661.67
			08/17/20	NP	8.93	NM	NA	NA	660.03	660.03
			11/20/20	NP	9.44	NM ⁽⁷⁾	NA	NA	659.52	659.52
MW-73S	666.89	7.0-12.0	05/22/17	NP	4.72	11.31	NA	NA	662.17	662.17
			07/24/17	NP	6.38	11.48	NA	NA	660.51	660.51
			11/06/17	NP	6.94	11.42	NA	NA	659.95	659.95
			02/05/18	NP	6.30	11.62	NA	NA	660.59	660.59
			05/07/18	NP	4.77	11.55	NA	NA	662.12	662.12
			08/16/18	NP	6.25	NM	NA	NA	660.64	660.64
			11/19/18	NP	5.45	11.54	NA	NA	661.44	661.44
			12/10/18	Monitoring Well Abandoned						
MW-73SR	667.00	2.5-12.5	02/22/19	NP	5.56	12.38	NA	NA	661.44	661.44
			06/14/19	NP	4.80	12.40	NA	NA	662.20	662.20
			09/26/19	NP	6.82	12.49	NA	NA	660.18	660.18
			11/04/19	NP	6.43	12.40	NA	NA	660.57	660.57
			02/05/20	NP	5.36	NM	NA	NA	661.64	661.64
			05/18/20	NP	5.14	12.38	NA	NA	661.86	661.86
			08/17/20	NP	6.57	NM	NA	NA	660.43	660.43
			11/20/20	NP	7.13	NM ⁽⁷⁾	NA	NA	659.87	659.87
MW-73D	667.03	13.5-18.5	05/22/17	NP	4.98	17.21	NA	NA	662.05	662.05
			07/24/17	NP	6.64	17.47	NA	NA	660.39	660.39
			11/06/17	NP	7.22	17.38	NA	NA	659.81	659.81
			02/05/18	NP	6.54	17.52	NA	NA	660.49	660.49
			05/07/18	NP	5.02	17.36	NA	NA	662.01	662.01
			08/16/18	NP	6.49	NM	NA	NA	660.54	660.54
			11/19/18	NP	5.73	17.35	NA	NA	661.30	661.30
			02/22/19	NP	5.54	17.37	NA	NA	661.49	661.49
			06/14/19	NP	4.79	17.37	NA	NA	662.24	662.24
			09/26/19	NP	7.84	17.39	NA	NA	659.19	659.19
			11/04/19	NP	6.39	17.38	NA	NA	660.64	660.64
			02/05/20	NP	5.34	NM	NA	NA	661.69	661.69
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	6.53	NM	NA	NA	660.50	660.50
			11/20/20	NP	7.09	NM ⁽⁷⁾	NA	NA	659.94	659.94
MW-74	667.90	14.0-19.0	05/22/17	NP	5.94	18.52	NA	NA	661.96	661.96
			07/24/17	NP	7.47	18.81	NA	NA	660.43	660.43
			11/06/17	NP	8.12	18.76	NA	NA	659.78	659.78
			02/05/18	NP	7.49	18.85	NA	NA	660.41	660.41
			05/07/18	NP	5.95	18.77	NA	NA	661.95	661.95
			08/16/18	NP	7.38	NM	NA	NA	660.52	660.52
			11/19/18	NP	6.25	18.77	NA	NA	661.65	661.65
			02/22/19	NP	6.45	18.76	NA	NA	661.45	661.45
			06/14/19	NP	5.63	18.76	NA	NA	662.27	662.27
			09/26/19	NP	7.48	18.78	NA	NA	660.42	660.42
			11/04/19	NP	7.31	18.78	NA	NA	660.59	660.59
			02/05/20	NP	6.29	NM	NA	NA	661.61	661.61
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	7.36	NM	NA	NA	660.54	660.54
			11/20/20	NP	7.94	NM ⁽⁷⁾	NA	NA	659.96	659.96
MW-74S	667.93	3.0-13.0	02/22/19	NP	6.44	12.78	NA	NA	661.49	661.49
			06/14/19	NP	5.65	12.77	NA	NA	662.28	662.28
			09/26/19	NP	7.49	12.76	NA	NA	660.44	660.44
			11/04/19	NP	7.31	12.79	NA	NA	660.62	660.62
			02/05/20	NP	6.27	NM	NA	NA	661.66	661.66
			05/18/20	NP	6.28	12.78	NA	NA	661.65	661.65
			08/17/20	NP	7.36	NM	NA	NA	660.57	660.57
			11/20/20	NP	7.94	NM ⁽⁷⁾	NA	NA	659.99	659.99
MW-75S	666.86	5.0-10.0	05/22/17	NP	5.16	9.23	NA	NA	661.70	661.70
			07/24/17	NP	6.15	9.48	NA	NA	660.71	660.71
			11/06/17	NP	6.83	9.43	NA	NA	660.03	660.03
			02/05/18	NP	6.56	9.82	NA	NA	660.30	660.30
			05/07/18	NP	5.08	9.67	NA	NA	661.78	661.78
			08/16/18	NP	5.81	NM	NA	NA	661.05	661.05
			11/19/18	NP	5.47	9.62	NA	NA	661.39	661.39
			12/10/18	Monitoring Well Abandoned						

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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 ⁽⁷⁾	NA	NA	660.24	660.24
MW-75D	666.89	12.0-17.0	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 ⁽⁷⁾	NA	NA	660.08	660.08
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 ⁽⁷⁾	NA	NA	659.82	659.82
MW-76S	669.98	4.5-14.5	02/22/19	NP	9.64	14.15	NA	NA	660.34	660.34
			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 ⁽⁷⁾	NA	NA	659.81	659.81
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 ⁽⁷⁾	NA	NA	654.71	654.71
MW-77S	660.55	2.5-12.5	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 ⁽⁷⁾	NA	NA	654.81	654.81
MW-78	657.23	7.0-12.0	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 ⁽⁷⁾	NA	NA	653.91	653.91

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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-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 ⁽⁷⁾	NA	NA	654.05	654.05
MW-79S	663.10	5.0-10.0	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
			12/10/18	Monitoring Well Abandoned						
MW-79SR	663.06	2.5-12.5	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
			11/20/20	NP	6.19	12.29 ⁽⁷⁾	NA	NA	656.87	656.87
MW-79D	663.35	10.0-15.0	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⁾
			08/17/20	NP	6.37	NM	NA	NA	656.98	656.98
			11/20/20	NP	6.31	14.67 ⁽⁷⁾	NA	NA	657.04	657.04
MW-80S	656.08	7.0-12.0	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
			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						
MW-80SR	656.23	2.5-12.5	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
			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 ⁽⁷⁾	NA	NA	652.72	652.72
MW-81 ⁽¹⁾	657.32	8.0-13.0	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
			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 ⁽⁷⁾	NA	NA	649.65	649.65
			02/22/19	NP	6.49	12.52	NA	NA	651.18	651.18
MW-81S	657.67	2.5-12.5	06/14/19	NP	5.18	12.51	NA	NA	652.49	652.49
			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 ⁽⁷⁾	NA	NA	649.66	649.66
			05/22/17	NP	6.93	13.12	NA	NA	651.70	651.70
MW-82S	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						

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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-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 ⁽⁷⁾	NA	NA	650.16	650.16
MW-82D	658.45	18.0-23.0	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 ⁽⁷⁾	NA	NA	649.64	649.64
MW-83 ⁽¹⁾	660.09	8.0-13.0	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 ⁽⁷⁾	NA	NA	652.11	652.11
MW-83S	660.26	3.0-13.0	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
			11/20/20	NP	8.13	NM ⁽⁷⁾	NA	NA	652.13	652.13
MW-84	662.50	8.0-13.0	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
			11/20/20	NP	5.22	12.60 ⁽⁷⁾	NA	NA	657.28	657.28
MW-84S	662.69	2.5-12.5	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
			08/17/20	NP	5.20	NM	NA	NA	657.49	657.49
			11/20/20	NP	5.39	12.72 ⁽⁷⁾	NA	NA	657.30	657.30
MW-85	658.85	8.0-13.0	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
			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 ⁽⁷⁾	NA	NA	652.62	652.62

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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-85S	NS	2.5-12.5	12/07/18	NP	5.42	12.35	NA	NA	NA	NA
			03/01/19	Monitoring Well Abandoned						
MW-85SR	658.99	4.5-9.5	06/14/19	NP	4.70	8.45	NA	NA	654.29	654.29
			09/26/19	NP	6.45	8.45	NA	NA	652.54	652.54
			11/04/19	NP	6.08	8.45	NA	NA	652.91	652.91
			02/05/20	NP	4.57	NM	NA	NA	654.42	654.42
			05/18/20	NP	4.50	8.48	NA	NA	654.49	654.49
			08/17/20	NP	6.18	NM	NA	NA	652.81	652.81
			11/20/20	NP	6.13	NM ⁽⁷⁾	NA	NA	652.86	652.86
MW-86	666.11	12.0-17.0	05/22/17	NP	6.25	16.35	NA	NA	652.74	652.74
			07/24/17	NP	8.07	16.66	NA	NA	650.92	650.92
			11/06/17	NP	8.70	16.58	NA	NA	657.41	657.41
			02/05/18	NP	7.87	16.72	NA	NA	658.24	658.24
			05/07/18	NP	6.03	16.60	NA	NA	660.08	660.08
			08/16/18	NP	8.06	NM	NA	NA	658.05	658.05
			11/19/18	NP	6.66	16.59	NA	NA	659.45	659.45
			02/22/19	NP	6.67	16.61	NA	NA	659.44	659.44
			06/14/19	NP	5.78	16.64	NA	NA	660.33	660.33
			09/26/19	NP	8.15	16.61	NA	NA	657.96	657.96
			11/04/19	NP	7.60	16.62	NA	NA	658.51	658.51
			02/05/20	NP	5.92	NM	NA	NA	660.19	660.19
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	7.83	NM	NA	NA	658.28	658.28
			11/20/20	NP	8.22	16.66 ⁽⁷⁾	NA	NA	657.89	657.89
			02/22/19	NP	6.83	12.33	NA	NA	659.31	659.31
MW-86S	666.14	2.5-12.5	06/14/19	NP	5.93	12.33	NA	NA	660.21	660.21
			09/26/19	NP	8.33	12.36	NA	NA	657.81	657.81
			11/04/19	NP	7.80	12.34	NA	NA	658.34	658.34
			02/05/20	NP	6.09	NM	NA	NA	660.05	660.05
			05/18/20	NP	6.43	12.34	NA	NA	659.71	659.71
			08/17/20	NP	8.00	NM	NA	NA	658.14	658.14
			11/20/20	NP	8.40	12.38 ⁽⁷⁾	NA	NA	657.74	657.74
MW-87	668.81	14.0-19.0	05/22/17	NP	9.41	18.55	NA	NA	659.40	659.40
			07/24/17	NP	10.65	18.85	NA	NA	658.16	658.16
			11/06/17	NP	11.42	18.79	NA	NA	657.39	657.39
			02/05/18	NP	11.06	18.86	NA	NA	657.75	657.75
			05/07/18	NP	9.39	18.80	NA	NA	659.42	659.42
			08/16/18	NP	10.61	NM	NA	NA	658.20	658.20
			11/19/18	NP	9.68	18.79	NA	NA	659.13	659.13
			02/22/19	NP	9.79	18.82	NA	NA	659.02	659.02
			06/14/19	NP	8.75	18.81	NA	NA	660.06	660.06
			09/26/19	NP	10.45	18.83	NA	NA	658.36	658.36
			11/04/19	NP	10.15	18.82	NA	NA	658.66	658.66
			02/05/20	NP	9.05	NM	NA	NA	659.76	659.76
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	10.08	NM	NA	NA	658.73	658.73
			11/20/20	NP	10.30	18.85 ⁽⁷⁾	NA	NA	658.51	658.51
MW-87S	668.65	4.5-14.5	02/22/19	NP	9.95	14.14	NA	NA	658.70	658.70
			06/14/19	NP	8.55	14.12	NA	NA	660.10	660.10
			09/26/19	NP	10.28	14.10	NA	NA	658.37	658.37
			11/04/19	NP	9.98	13.82 ⁽²⁾	NA	NA	658.67	658.67
			02/05/20	NP	9.83	NM	NA	NA	658.82	658.82
			05/18/20	NP	8.98	14.13	NA	NA	659.67	659.67
			08/17/20	NP	9.88	NM	NA	NA	658.77	658.77
MW-96S	662.21	2.5-12.5	11/20/20	NP	10.05	14.15 ⁽⁷⁾	NA	NA	658.60	658.60
			02/22/19	NP	5.13	12.10	NA	NA	657.08	657.08
			06/14/19	NP	4.57	12.08	NA	NA	657.64	657.64
			09/26/19	NP	6.74	12.09	NA	NA	655.47	655.47
			11/04/19	NP	6.01	12.10	NA	NA	656.20	656.20
			02/05/20	NP	4.58	NM	NA	NA	657.63	657.63
			05/18/20	NP	4.64	12.99	NA	NA	657.57	657.57
MW-97S	660.07	2.5-12.5	08/17/20	NP	6.43	NM	NA	NA	655.78	655.78
			11/20/20	NP	6.54	12.10 ⁽⁷⁾	NA	NA	655.67	655.67
			03/06/19	NP	4.47	11.96	NA	NA	655.60	655.60
			06/14/19	NP	3.96	12.01	NA	NA	656.11	656.11
			09/26/19	NP	5.72	12.01	NA	NA	654.35	654.35
			11/04/19	NP	4.98	12.01	NA	NA	655.09	655.09
			02/05/20	NP	4.43	NM	NA	NA	655.64	655.64
MW-98S	656.10	2.5-12.5	05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	5.37	NM	NA	NA	654.70	654.70
			11/20/20	NP	5.60	12.01 ⁽⁷⁾	NA	NA	654.47	654.47
			02/22/19	NP	1.60	12.09	NA	NA	654.50	654.50
			06/14/19	NP	0.79	12.10	NA	NA	655.31	655.31
			09/26/19	NP	3.23	12.09	NA	NA	652.87	652.87
			11/04/19	NP	2.10	12.09	NA	NA	654.00	654.00
MW-99S	667.38	3.0-13.0	02/05/20	NP	1.21	NM	NA	NA	654.89	654.89
			05/18/20	NP	0.85	12.09	NA	NA	655.25	655.25
			08/17/20	NP	2.84	NM	NA	NA	653.26	653.26
			11/20/20	NP	2.80	12.10 ⁽⁷⁾	NA	NA	653.30	653.30
			02/22/19	NP	6.00	12.84	NA	NA	661.38	661.38
			06/14/19	NP	5.20	12.86	NA	NA	662.18	662.18
			09/26/19	NP	6.89	12.85	NA	NA	660.49	660.49
MW-99S	667.38	3.0-13.0	11/04/19	NP	6.71	12.87	NA	NA	660.67	660.67
			02/05/20	NP	5.83	NM	NA	NA	661.55	661.55
			05/18/20	NP	5.81	12.88	NA	NA	661.57	661.57
			08/17/20	NP	6.75	NM	NA	NA	660.63	660.63
			11/20/20	NP	7.32	NM ⁽⁷⁾	NA	NA	660.06	660.06

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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-100S	667.64	3.0-13.0	02/22/19	NP	6.64	12.90	NA	NA	661.00	661.00
			06/14/19	NP	5.53	12.88	NA	NA	662.11	662.11
			09/26/19	NP	6.98	12.89	NA	NA	660.66	660.66
			11/04/19	NP	6.76	12.90	NA	NA	660.88	660.88
			02/05/20	NP	6.33	NM	NA	NA	661.31	661.31
			05/18/20	NP	6.38	12.90	NA	NA	661.26	661.26
			08/17/20	NP	6.80	NM	NA	NA	660.84	660.84
			11/20/20	NP	7.52	NM ⁽⁷⁾	NA	NA	660.12	660.12
MW-101S	668.82	4.5-14.5	03/06/19	NP	8.21	14.01	NA	NA	660.61	660.61
			06/14/19	NP	7.78	14.07	NA	NA	661.04	661.04
			09/26/19	NP	8.33	14.06	NA	NA	660.49	660.49
			11/04/19	NP	8.26	14.06	NA	NA	660.56	660.56
			02/05/20	NP	7.91	NM	NA	NA	660.91	660.91
			05/18/20	NP	7.95	14.07	NA	NA	660.87	660.87
			08/17/20	NP	8.05	NM	NA	NA	660.77	660.77
			11/20/20	NP	8.84	NM ⁽⁷⁾	NA	NA	659.98	659.98
MW-102	660.87	10.0-15.0	02/22/19	NP	1.17	14.65	NA	NA	659.70	659.70
			06/14/19	NP	0.70	14.65	NA	NA	660.17	660.17
			09/26/19	NP	3.20	13.64	NA	NA	657.67	657.67
			11/04/19	NP	2.34	14.63	NA	NA	658.53	658.53
			02/05/20	NP	1.03	NM	NA	NA	659.84	659.84
			05/18/20	NM ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾	NA ⁽⁴⁾	NA ⁽⁴⁾	NM ⁽⁴⁾	NM ⁽⁴⁾
			08/17/20	NP	2.96	NM	NA	NA	657.91	657.91
			11/20/20	NP	3.04	NM ⁽⁷⁾	NA	NA	657.83	657.83
MW-102S	661.01	2.5-12.5	02/22/19	NP	1.33	12.35	NA	NA	659.68	659.68
			06/14/19	NP	0.80	12.35	NA	NA	660.21	660.21
			09/26/19	NP	3.50	12.36	NA	NA	657.51	657.51
			11/04/19	NP	2.53	12.37	NA	NA	658.48	658.48
			02/05/20	NP	1.21	NM	NA	NA	659.80	659.80
			05/18/20	NP	0.30	12.36	NA	NA	660.71	660.71
			08/17/20	NP	3.13	NM	NA	NA	657.88	657.88
			11/20/20	NP	3.20	NM ⁽⁷⁾	NA	NA	657.81	657.81
MW-105S	661.45	2.5-12.5	02/22/19	NP	2.88	11.80	NA	NA	658.57	658.57
			06/14/19	NP	2.25	11.80	NA	NA	659.20	659.20
			09/26/19	NP	4.70	11.72	NA	NA	656.75	656.75
			11/04/19	NP	3.85	11.79	NA	NA	657.60	657.60
			02/05/20	NP	2.59	NM	NA	NA	658.86	658.86
			05/18/20	NP	1.69	11.75	NA	NA	659.76	659.76
			08/17/20	NP	4.52	NM	NA	NA	656.93	656.93
			11/20/20	NP	4.51	NM ⁽⁷⁾	NA	NA	656.94	656.94
MW-106S	655.03	2.5-12.5	02/22/19	NP	2.76	11.70	NA	NA	652.27	652.27
			06/14/19	NP	2.18	11.65	NA	NA	652.85	652.85
			09/26/19	NP	4.49	11.64	NA	NA	650.54	650.54
			11/04/19	NP	3.40	11.62	NA	NA	651.63	651.63
			02/05/20	NP	2.54	NM	NA	NA	652.49	652.49
			05/18/20	NP	2.20	11.67	NA	NA	652.83	652.83
			08/17/20	NP	4.13	NM	NA	NA	650.90	650.90
			11/20/20	NP	4.05	NM ⁽⁷⁾	NA	NA	650.98	650.98
MW-107S	657.86	2.5-12.5	02/22/19	NP	5.52	12.20	NA	NA	652.34	652.34
			06/14/19	NP	5.11	12.50	NA	NA	652.75	652.75
			09/26/19	NP	6.55	12.16	NA	NA	651.31	651.31
			11/04/19	NP	5.93	12.15	NA	NA	651.93	651.93
			02/05/20	NP	5.86	NM	NA	NA	652.00	652.00
			05/18/20	NP	5.18	12.15	NA	NA	652.68	652.68
			08/17/20	NP	6.43	NM	NA	NA	651.43	651.43
			11/20/20	NP	6.46	NM ⁽⁷⁾	NA	NA	651.40	651.40
MW-108S	656.95	2.5-12.5	02/22/19	Could Not Locate						
			06/14/19	NP	3.05	12.25	NA	NA	653.90	653.90
			09/26/19	NP	5.09	12.26	NA	NA	651.86	651.86
			11/04/19	NP	4.03	12.27	NA	NA	652.92	652.92
			02/05/20	NP	2.93	NM	NA	NA	654.02	654.02
			05/18/20	NP	3.49	12.62	NA	NA	653.46	653.46
			08/17/20	NP	4.79	NM	NA	NA	652.16	652.16
			11/20/20	NP	6.67	NM ⁽⁷⁾	NA	NA	650.28	650.28
MW-131S	660.96	2.5-12.5	02/22/19	NP	4.13	12.70	NA	NA	656.83	656.83
			06/14/19	NP	6.70	12.65	NA	NA	654.26	654.26
			09/26/19	NP	5.88	12.69	NA	NA	655.08	655.08
			11/04/19	NP	5.32	12.68	NA	NA	655.64	655.64
			02/05/20	NP	3.78	NM	NA	NA	657.18	657.18
			05/18/20	NP	3.51	12.71	NA	NA	657.45	657.45
			08/17/20	NP	5.65	NM	NA	NA	655.31	655.31
			11/20/20	NP	5.70	NM ⁽⁷⁾	NA	NA	655.26	655.26
MW-132S	659.86	2.5-12.5	02/22/19	NP	5.28	12.38	NA	NA	654.58	654.58
			06/14/19	NP	5.25	12.40	NA	NA	654.61	654.61
			09/26/19	NP	6.31	12.39	NA	NA	653.55	653.55
			11/04/19	NP	5.91	12.39	NA	NA	653.95	653.95
			02/05/20	NP	5.06	NM	NA	NA	654.80	654.80
			05/18/20	NP	5.20	12.40	NA	NA	654.66	654.66
			08/17/20	NP	6.10	NM	NA	NA	653.76	653.76
			11/20/20	NP	6.16	NM ⁽⁷⁾	NA	NA	653.70	653.70
MW-133S	657.91	4.0-9.0	06/14/19	NP	5.35	8.55	NA	NA	652.56	652.56
			09/26/19	NP	7.25	8.55	NA	NA	650.66	650.66
			11/04/19	NP	6.73	8.56	NA	NA	651.18	651.18
			02/05/20	NP	5.34	NM	NA	NA	652.57	652.57
			05/18/20	NP	5.51	8.57	NA	NA	652.40	652.40
			08/17/20	NP	7.06	NM	NA	NA	650.85	650.85
			11/20/20	NP	7.27	NM ⁽⁷⁾	NA	NA	650.64	650.64

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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-134S	658.75	5.0-10.0	06/14/19	NP	6.30	9.40	NA	NA	652.45	652.45
			09/26/19	NP	8.19	9.46	NA	NA	650.56	650.56
			11/04/19	NP	7.71	9.45	NA	NA	651.04	651.04
			02/05/20	NP	5.23	NM	NA	NA	653.52	653.52
			05/18/20	NP	6.42	9.48	NA	NA	652.33	652.33
			08/17/20	NP	8.05	NM	NA	NA	650.70	650.70
			11/20/20	NP	8.25	NM ⁽⁷⁾	NA	NA	650.50	650.50
MW-135S ⁽¹⁾	657.67	5.0-10.0	06/14/19	NP	5.30	9.70	NA	NA	652.37	652.37
	657.44		09/26/19	NP	7.14	9.68	NA	NA	650.53	650.53
			11/04/19	NP	6.74	9.70	NA	NA	650.70	650.70
			02/05/20	NP	5.21	NM	NA	NA	652.23	652.23
			05/18/20	NP	5.41	9.71	NA	NA	652.03	652.03
			08/17/20	NP	7.02	NM	NA	NA	650.42	650.42
		11/20/20	NP	7.20	NM ⁽⁷⁾	NA	NA	650.24	650.24	
MW-136S	655.53	2.0-7.0	06/14/19	NP	2.16	7.50	NA	NA	653.37	653.37
			09/26/19	NP	4.66	7.15	NA	NA	650.87	650.87
			11/04/19	NP	3.23	7.14	NA	NA	652.30	652.30
			02/05/20	NP	2.38	NM	NA	NA	653.15	653.15
			05/18/20	NP	2.11	7.17	NA	NA	653.42	653.42
			08/17/20	NP	4.47	NM	NA	NA	651.06	651.06
		11/20/20	NP	3.91	NM ⁽⁷⁾	NA	NA	651.62	651.62	
MW-137S ⁽¹⁾	656.10	2.0-7.0	06/14/19	NP	1.60	7.20	NA	NA	654.50	654.50
	656.10		09/26/19	NP	4.43	7.10	NA	NA	651.67	651.67
			11/04/19	NP	3.05	7.03	NA	NA	653.05	653.05
			02/05/20	NP	1.69	NM	NA	NA	654.41	654.41
			05/18/20	NP	1.14	7.05	NA	NA	654.96	654.96
			08/17/20	NP	4.21	NM	NA	NA	651.89	651.89
		11/20/20	NP	3.69	NM ⁽⁷⁾	NA	NA	652.41	652.41	
MW-138S	653.92	2.0-7.0	06/14/19	NP	0.20	5.95	NA	NA	653.72	653.72
			09/26/19	NP	2.68	5.97	NA	NA	651.24	651.24
			11/04/19	NP	1.16	5.94	NA	NA	652.76	652.76
			02/05/20	NP	0.67	NM	NA	NA	653.25	653.25
			05/18/20	NP	0.50	5.98	NA	NA	653.42	653.42
			08/17/20	NP	2.28	NM	NA	NA	651.64	651.64
		11/20/20	NP	1.93	5.98 ⁽⁷⁾	NA	NA	651.99	651.99	
MW-139S	660.14	2.0-7.0	06/14/19	NP	1.17	6.90	NA	NA	658.97	658.97
			09/26/19	NP	4.10	6.90	NA	NA	656.04	656.04
			11/04/19	NP	3.14	6.90	NA	NA	657.00	657.00
			02/05/20	NP	1.85	NM	NA	NA	658.29	658.29
			05/18/20	NP	0.95	6.92	NA	NA	659.19	659.19
			08/17/20	NP	3.75	NM	NA	NA	656.39	656.39
		11/20/20	NP	3.79	6.93 ⁽⁷⁾	NA	NA	656.35	656.35	
MW-140S	662.23	2.0-7.0	06/14/19	NP	2.46	6.48	NA	NA	659.77	659.77
			09/26/19	NP	5.29	6.46	NA	NA	656.94	656.94
			11/04/19	NP	4.40	6.46	NA	NA	657.83	657.83
			02/05/20	NP	2.61	NM	NA	NA	659.62	659.62
			05/18/20	NP	2.40	6.48	NA	NA	659.83	659.83
			08/17/20	NP	4.95	NM	NA	NA	657.28	657.28
		11/20/20	NP	5.05	6.49 ⁽⁷⁾	NA	NA	657.18	657.18	
MW-141S	663.67	3.0-8.0	06/14/19	NP	4.00	7.60	NA	NA	659.67	659.67
			09/26/19	NP	7.18	7.68	NA	NA	656.49	656.49
			11/04/19	NP	6.30	7.69	NA	NA	657.37	657.37
			02/05/20	NP	4.45	NM	NA	NA	659.22	659.22
			05/18/20	NP	4.10	7.69	NA	NA	659.57	659.57
			08/17/20	NP	6.92	NM	NA	NA	656.75	656.75
		11/20/20	NP	6.80	7.70 ⁽⁷⁾	NA	NA	656.87	656.87	
MW-142S	657.49	2.5-7.5	06/14/19	NP	3.55	6.75	NA	NA	653.94	653.94
			09/26/19	NP	5.34	6.75	NA	NA	652.15	652.15
			11/04/19	NP	4.51	6.86	NA	NA	652.98	652.98
			02/05/20	NP	3.49	NM	NA	NA	654.00	654.00
			05/18/20	NP	3.32	6.75	NA	NA	654.17	654.17
			08/17/20	NP	5.02	NM	NA	NA	652.47	652.47
		11/20/20	NP	5.01	NM ⁽⁷⁾	NA	NA	652.48	652.48	
MW-192S	654.62	2.5-7.5	06/14/19	NP	1.45	7.70	NA	NA	653.17	653.17
			09/26/19	NP	3.10	7.68	NA	NA	651.52	651.52
			11/04/19	NP	2.04	7.63	NA	NA	652.58	652.58
			02/05/20	NP	1.80	NM	NA	NA	652.82	652.82
			05/18/20	NP	1.47	7.72	NA	NA	653.15	653.15
			08/17/20	NP	2.62	NM	NA	NA	652.00	652.00
		11/20/20	NP	2.64	7.70 ⁽⁷⁾	NA	NA	651.98	651.98	
MW-202S	675.53	3.5-8.5	02/05/20	NP	4.57	8.5 ⁽³⁾	NA	NA	670.96	670.96
			05/18/20	NP	4.76	8.43	NA	NA	670.77	670.77
			08/17/20	NP	5.00	NM	NA	NA	670.53	670.53
			11/20/20	NM ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾
MW-203S	675.15	3.0-8.0	02/05/20	NP	4.10	8.0 ⁽³⁾	NA	NA	671.05	671.05
			05/18/20	NP	4.30	8.22	NA	NA	670.85	670.85
			08/17/20	NP	4.50	NM	NA	NA	670.65	670.65
			11/20/20	NM ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾
MW-204	676.96	12.0-17.0	02/05/20	NP	5.20	17.0 ⁽³⁾	NA	NA	671.76	671.76
			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	671.14	671.14
			11/20/20	NP	6.50	NM ⁽⁷⁾	NA	NA	670.46	670.46
MW-204S	677.00	4.0-9.0	02/05/20	NP	5.24	9.0 ⁽³⁾	NA	NA	671.76	671.76
			05/18/20	NP	5.47	8.63	NA	NA	671.53	671.53
			08/17/20	NP	5.85	NM	NA	NA	671.15	671.15
			11/20/20	NP	6.53	NM ⁽⁷⁾	NA	NA	670.47	670.47

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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-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 ⁽⁷⁾	NA	NA	670.96	670.96
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 ⁽⁷⁾	NA	NA	670.99	670.99
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	NM ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾
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	NM ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			11/20/20	NM ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾
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	NM ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			11/20/20	NM ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾
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	NM ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾	NA ⁽⁵⁾	NA ⁽⁵⁾	NM ⁽⁵⁾	NM ⁽⁵⁾
			11/20/20	NM ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾	NA ⁽⁶⁾	NA ⁽⁶⁾	NM ⁽⁶⁾	NM ⁽⁶⁾

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 not measured during the third quarter of 2020.
⁽⁶⁾ Monitoring well not measured during the fourth quarter of 2020. Well inaccessible.
⁽⁷⁾ 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	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	
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		
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		
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 UB		
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		
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		
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 UB	< 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	< 1.0	0.24 J	< 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.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



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	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	
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	0.87 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	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		
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	2.3	2.1	1.8	3.0	2.4	1.3	1.6	1.3	2.3	
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 J	< 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	0.43 J	0.25 J	< 1.0	0.35 J	< 1.0	< 1.0	< 1.0	< 1.0	0.23 J	
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	0.29 J	< 1.0 UB	< 1.0	0.34 J	< 1.0	0.15 J	< 1.0	< 1.0	0.16 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	1.7	1.5	< 1.0	1.3	1.0	0.87 J	1.4	< 1.0	0.85 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	
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-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	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	
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	< 2.0	< 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		
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	1.3	0.82 J	0.97 J	1.0	1.5	0.56 J	0.96 J	0.43 J	1.2 UB	
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		
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	0.25 J		
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		
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	< 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.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



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	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	< 2.0	< 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	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	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	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	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 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	0.45 J	< 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	< 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	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	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	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	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	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	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	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	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	< 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	3,200	NA	NA	NA	NA

See Notes on Last Page.

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	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
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	1.0 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	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	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
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	< 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	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	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
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	< 1.0	< 1.0	< 1.0	< 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	340	NA	270	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	480	NA	280	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	760	NA	760	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	800	NA	770	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	1.2 J	NA	3.3 J	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	120	NA	160	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	1.1	NA	4.1	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	0.90 J	NA	1.3	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	< 1.0	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	< 1.0	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	1.5	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-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	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
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	0.32 J	< 2.0	< 2.0	0.27 J	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	1.1 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	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	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
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 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	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	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	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
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

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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	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
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	< 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
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	< 1.0	< 1.0	< 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	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
Tetrachloroethene	µg/L	5.0	< 1.0	< 1.0 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	< 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	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 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
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
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.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



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	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	
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	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	
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	
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	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	
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	< 1.0	< 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
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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Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Sample Date:	Unit	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	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	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	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	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	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	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	
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	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	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	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	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	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	< 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	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	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	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	< 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	< 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	55	NA	NA	NA	NA	

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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	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
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	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
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
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	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	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
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
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
Vinyl chloride	µg/L	1.0**	1.4	2.1	3.2	3.4	3.6	1.8	2.2	4.3	4.3	< 1.0	< 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
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.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



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	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
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	< 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	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
cis-1,2-Dichloroethene	µg/L	70	< 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
Tetrachloroethene	µg/L	5.0	< 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
trans-1,2-Dichloroethene	µg/L	100	< 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
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 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 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 J	< 1.0	< 1.0 UB	< 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
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
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
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
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
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
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
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
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
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
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

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Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Sample Date:	Unit	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	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	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	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	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	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	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 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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	

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Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



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	12/26/2018	3/5/2019	5/22/2019	9/18/2019	11/5/2019	2/11/2020	8/11/2020	11/4/2020	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	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	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	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 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 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	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	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	0.14 J	< 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	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	
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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Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



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	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	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 J	< 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	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	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 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 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	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	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 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	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
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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Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



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	12/21/2018	4/12/2019	9/17/2019	11/13/2019	2/3/2020	5/19/2020	8/14/2020	11/11/2020	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	1.1 J	< 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	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	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	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	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
Vinyl chloride	µg/L	1.0**	4.9	3.9	5.4	5.4	7.8	2.2	2.1	1.4	1.4	0.33 J	2.2	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
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.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



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	12/18/2018	2/28/2019	5/13/2019	9/19/2019	11/25/2019	2/11/2020	8/7/2020	11/5/2020	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
Semi-volatile Organic Compounds (SVOCs)																										
1,4-Dioxane	µg/L	7.2*	< 2.0	< 2.0	< 2.0	< 2.0 J	< 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
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	< 1.0	< 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 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 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	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
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
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.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



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	12/18/2018	2/27/2019	5/16/2019	9/20/2019	11/26/2019	2/13/2020	8/3/2020	11/13/2020	12/27/2018	3/6/2019	5/10/2019	9/19/2019	11/22/2019	2/13/2020	8/5/2020	11/19/2020
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	
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	0.47 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 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	
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 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	
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 UB	< 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:	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	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	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	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
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	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	< 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 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	< 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 J	< 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 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
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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Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



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	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	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
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	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
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
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
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
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
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
Vinyl chloride	µg/L	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	1.6	1.7	1.8	1.0	1.4	1.3	1.5	< 1.0	1.2
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
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
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
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
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
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
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
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
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
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
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

See Notes on Last Page.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



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	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	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	0.55 J	< 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 J	< 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 J	< 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 J	< 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 J	< 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 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 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 J	< 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
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.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



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	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	12/26/2018	5/14/2019	9/19/2019	11/12/2019	2/3/2020	5/19/2020	8/14/2020	11/11/2020	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	0.90 J	0.93 J	< 2.0	< 2.0	< 2.0	< 2.0	1.2 J	< 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	
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 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	
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 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	
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	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
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.

Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Sample Date:	Unit	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	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	2/14/2019	5/23/2019	9/17/2019	11/7/2019	2/10/2020	8/10/2020	11/4/2020
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
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
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
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
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
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
Vinyl chloride	µg/L	1.0**	1.2	0.52 J	1.2	1.0	0.59 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	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
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
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
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
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
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
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
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
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
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

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Table 4
Off-Site Groundwater Analytical Results
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Sample Date:	Unit	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	2/14/2019	5/20/2019	9/16/2019	11/5/2019	2/12/2020	8/5/2020	11/11/2020	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
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
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
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
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
Trichloroethene	µg/L	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 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	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	0.96 J	< 1.0	< 1.0	< 1.0	< 1.0	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
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
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
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
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
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
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
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
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
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
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

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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	2/19/2019	5/16/2019	9/23/2019	11/15/2019	2/12/2020	5/26/2020	8/5/2020	11/12/2020	2/26/2019	5/9/2019	9/20/2019	11/13/2019	2/12/2020	5/19/2020	8/6/2020	11/16/2020
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 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-1,2-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 UB
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 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
Trichloroethene	µg/L	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
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	1.7	1.6	1.4	1.2	1.3	2.8	2.1	1.8	< 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
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-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	2/27/2019	5/15/2019	9/18/2019	11/13/2019	2/11/2020	5/20/2020	8/6/2020	11/11/2020	2/25/2019	5/23/2019	9/16/2019	11/13/2019	2/3/2020	5/19/2020	8/14/2020	11/11/2020
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 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
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 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
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
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-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	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	NA	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	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	0.34 J	0.53 J	< 1.0	< 1.0	0.49	0.31 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	< 1.0
Tetrachloroethene	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	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	1.7 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	< 1.0
Trichloroethene	µg/L	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	< 1.0
Vinyl chloride	µg/L	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	< 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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Location: Screen Interval (ft. bgs): Sample Date:	Unit	EGLE Non-residential 12-hr Groundwater in Contact Criteria	EGLE Non-residential Drinking Water Criteria	EGLE Non-residential Groundwater Surface Water Interface Criteria	MW-15-59D											MW-124						
					94-99											5-10						
					02/06/2018	05/15/2018	08/09/2018	10/31/2018	03/05/2019	06/13/2019	09/27/2019	11/22/2019	02/21/2020	8/21/2020	11/17/2020	04/23/2019	06/13/2019	09/30/2019	11/15/2019	02/20/2020	8/27/2020	11/17/2020
Semi-Volatile Organic Compounds (SVOCs)																						
1,4-Dioxane	µg/L	1,200,000	350	280	< 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	8,600	7.0	130	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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-Methylnaphthalene	µg/L	NS	750	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	µg/L	2,400	70	620	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	1.7	1.8	2.1	2.3	1.8	2.4	2.6
Naphthalene	µg/L	NS	1,500	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	3,300	5.0	60	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 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	10,000	100	1,500	< 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
Trichloroethene	µg/L	210	5.0	200	< 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
Vinyl chloride	µg/L	280	2.0	13	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.32 J	0.40 J	< 1.0	0.19 J	0.27 J	0.41 J	0.29 J

Notes:
Bold Value was detected above the laboratory reporting limit
Shaded Value exceeds the Nonresidential Volatilization to Indoor Air (12-hr) Groundwater in Contact Criteria
Italics Value exceeds the Nonresidential Drinking Water Criteria
Red text Value exceeds the Nonresidential Groundwater Surface Water Interface Criteria

Abbreviations:
EGLE Michigan Department of Environment, Great Lakes, and Energy
< Result less than reporting limit as shown
µg/L micrograms per liter
ft. bgs feet below ground surface
D deep interval
J Estimated result, less than reporting limit
MW monitoring well
NA Not Analyzed
NS no standard
S shallow interval
UB Compound detected in the laboratory method blank. Result was determined to be non-detect.

Analytical Methods:
Method 8260B SIM used for Semi-Volatile Organic Compounds (SVOCs)
Method 8260B used for Volatile Organic Compounds (VOCs)

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Table 5
Northwest Area Groundwater Monitoring Well Analytical Results Summary
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Sample Date:	Unit	EGLE Non-residential 12-hr Groundwater in Contact Criteria	EGLE Non-residential Drinking Water Criteria	EGLE Non-residential Groundwater Surface Water Interface Criteria	MW-194				MW-194S				MW-195S				MW-196			
					12-17				2-7				2-7				12-17			
					11/20/2019	02/10/2020	8/12/2020	11/13/2020	11/20/2019	02/10/2020	8/13/2020	11/13/2020	11/20/2019	02/10/2020	8/13/2020	11/16/2020	11/20/2019	02/11/2020	8/13/2020	11/16/2020
Semi-Volatile Organic Compounds (SVOCs)																				
1,4-Dioxane	µg/L	1,200,000	350	280	1.5 J	1.7 J	2.3	2.1	< 2.0	< 2.0	< 2.0	1.8 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	8,600	7.0	130	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 100	< 100	< 100	0.73 J	< 25	< 25	< 25
2-Methylnaphthalene	µg/L	NS	750	19	NA	NA	NA	< 5.0	NA	NA	NA	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	µg/L	2,400	70	620	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	120	82 J	110	< 180	210	250	320	310
Naphthalene	µg/L	NS	1,500	11	NA	NA	NA	< 1.0	NA	NA	NA	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	3,300	5.0	60	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 100	< 100	< 100	< 2.0	< 25	< 25	< 25
trans-1,2-Dichloroethene	µg/L	10,000	100	1,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	150	100	170	140	55	65	94	94
Trichloroethene	µg/L	210	5.0	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3,400	2,300	3,900	2,400	490	520	490	610
Vinyl chloride	µg/L	280	2.0	13	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	16	< 100	< 100	< 100	< 2.0	< 25	< 25	< 25

- Notes:
- Bold** Value was detected above the laboratory reporting limit
 - Shaded** Value exceeds the Nonresidential Volatilization to Indoor Air (12-hr) Groundwater in Contact Criteria
 - Italics** Value exceeds the Nonresidential Drinking Water Criteria
 - Red text** Value exceeds the Nonresidential Groundwater Surface Water Interface Criteria

- Abbreviations:
- EGLE Michigan Department of Environment, Great Lakes, and Energy
 - < Result less than reporting limit as shown
 - µg/L micrograms per liter
 - ft. bgs feet below ground surface
 - D deep interval
 - J Estimated result, less than reporting limit
 - MW monitoring well
 - NA Not Analyzed
 - NS no standard
 - S shallow interval
 - UB Compound detected in the laboratory method blank. Result was determined to be non-detect.

Analytical Methods:

Method 8260B SIM used for Semi-Volatile Organic Compounds (SVOCs)

Method 8260B used for Volatile Organic Compounds (VOCs)

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Table 5
Northwest Area Groundwater Monitoring Well Analytical Results Summary
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Sample Date:	Unit	EGLE Non-residential 12-hr Groundwater in Contact Criteria	EGLE Non-residential Drinking Water Criteria	EGLE Non-residential Groundwater Surface Water Interface Criteria	MW-196S				MW-197S				MW-198				MW-198S			
					2-7				3-8				12-17				2.5-7.5			
					11/20/2019	02/11/2020	8/14/2020	11/16/2020	11/25/2019	02/11/2020	8/19/2020	11/18/2020	11/25/2019	02/12/2020	8/19/2020	11/17/2020	11/20/2019	02/12/2020	8/19/2020	11/17/2020
Semi-Volatile Organic Compounds (SVOCs)																				
1,4-Dioxane	µg/L	1,200,000	350	280	< 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	8,600	7.0	130	< 1.0	< 1.0	< 4.0	< 4.0	< 1.0	0.23 J	< 5.0	< 5.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Methylnaphthalene	µg/L	NS	750	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	µg/L	2,400	70	620	68	51	72	85	10	14	28	31	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	µg/L	NS	1,500	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	3,300	5.0	60	< 1.0	< 1.0	< 4.0	< 4.0	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	µg/L	10,000	100	1,500	1.7	1.3	2.1 J	1.9 J	0.43 J	0.89 J	< 5.0	1.6 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/L	210	5.0	200	78	39	170	34	14	31	92	93	< 1.0	< 1.0	< 1.0	< 1.0	0.43 J	0.27 J	0.69 J	0.67 J
Vinyl chloride	µg/L	280	2.0	13	< 1.0	< 1.0	< 4.0	< 4.0	2.1	2.2	< 5.0	2.5 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

- Notes:**
- Bold** Value was detected above the laboratory reporting limit
 - Shaded** Value exceeds the Nonresidential Volatilization to Indoor Air (12-hr) Groundwater in Contact Criteria
 - Italics** Value exceeds the Nonresidential Drinking Water Criteria
 - Red text** Value exceeds the Nonresidential Groundwater Surface Water Interface Criteria

- Abbreviations:**
- EGLE Michigan Department of Environment, Great Lakes, and Energy
 - < Result less than reporting limit as shown
 - µg/L micrograms per liter
 - ft. bgs feet below ground surface
 - D deep interval
 - J Estimated result, less than reporting limit
 - MW monitoring well
 - NA Not Analyzed
 - NS no standard
 - S shallow interval
 - UB Compound detected in the laboratory method blank. Result was determined to be non-detect.

Analytical Methods:
Method 8260B SIM used for Semi-Volatile Organic Compounds (SVOCs)
Method 8260B used for Volatile Organic Compounds (VOCs)

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Table 5
Northwest Area Groundwater Monitoring Well Analytical Results Summary
Ford Livonia Transmission Plant
36200 Plymouth Road
Livonia, Michigan



Location: Screen Interval (ft. bgs): Sample Date:	Unit	EGLE Non-residential 12-hr Groundwater in Contact Criteria	EGLE Non-residential Drinking Water Criteria	EGLE Non-residential Groundwater Surface Water Interface Criteria	MW-199S				MW-202				MW-202S				MW-203			
					2-7				12-17				3.5-8.5				13-18			
					11/25/2019	02/12/2020	8/19/2020	11/18/2020	12/30/2019	02/06/2020	8/4/2020	10/29/2020	12/30/2019	02/06/2020	8/4/2020	10/30/2020	12/27/2019	02/07/2020	8/4/2020	10/29/2020
Semi-Volatile Organic Compounds (SVOCs)																				
1,4-Dioxane	µg/L	1,200,000	350	280	2.6	2.9	3.7	1.6 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (VOCs)																				
1,1-Dichloroethene	µg/L	8,600	7.0	130	< 1.0	< 1.0	< 1.0	< 1.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	µg/L	NS	750	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	µg/L	2,400	70	620	< 1.0	< 1.0	< 1.0	0.19 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 UB	< 1.0	< 1.0	< 1.0	< 40 UB	< 40	24 J	25
Naphthalene	µg/L	NS	1,500	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	3,300	5.0	60	< 1.0	< 1.0	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	10,000	100	1,500	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	29 J	21 J	43	49
Trichloroethene	µg/L	210	5.0	200	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	670	670	920	1,000
Vinyl chloride	µg/L	280	2.0	13	0.33 J	0.32 J	< 1.0	0.23 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 40	< 40	< 40	< 25

- Notes:
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Livonia, Michigan



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					3-8				12-17				4-9				12-17			
					12/27/2019	02/07/2020	8/4/2020	10/29/2020	01/03/2020	02/07/2020	8/3/2020	11/2/2020	12/27/2019	02/07/2020	8/3/2020	11/2/2020	01/03/2020	02/07/2020	8/3/2020	11/2/2020
Semi-Volatile Organic Compounds (SVOCs)																				
1,4-Dioxane	µg/L	1,200,000	350	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (VOCs)																				
1,1-Dichloroethene	µg/L	8,600	7.0	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	µg/L	NS	750	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	µg/L	2,400	70	620	< 1.7 UB	1.0 J	< 1.0	0.46 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
Naphthalene	µg/L	NS	1,500	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	3,300	5.0	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	10,000	100	1,500	1.0 J	2.3	< 1.0	1.1	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
Trichloroethene	µg/L	210	5.0	200	43	44	6.5	22	61	67	62	70	37	21	130	95	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl chloride	µg/L	280	2.0	13	< 1.7	< 1.7	< 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

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Analytical Methods:

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Method 8260B used for Volatile Organic Compounds (VOCs)

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					4.5-9.5				14-19				4.5-9.5			
					12/30/2019	02/07/2020	8/3/2020	11/2/2020	01/03/2020	02/06/2020	8/4/2020	10/29/2020	01/03/2020	02/06/2020	8/4/2020	10/29/2020
Semi-Volatile Organic Compounds (SVOCs)																
1,4-Dioxane	µg/L	1,200,000	350	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds (VOCs)																
1,1-Dichloroethene	µg/L	8,600	7.0	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	µg/L	NS	750	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	µg/L	2,400	70	620	< 1.0	< 1.0	< 1.0	< 1.0	< 67 UB	< 67 UB	45 J	92	< 1.0	< 1.0 UB	< 1.0	< 1.0
Naphthalene	µg/L	NS	1,500	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	µg/L	3,300	5.0	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	µg/L	10,000	100	1,500	< 1.0	< 1.0	< 1.0	< 1.0	97	71	60 J	240	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	µg/L	210	5.0	200	< 1.0	< 1.0	< 1.0	< 1.0	1,200	950	930	1,700	0.71 J	< 1.0 UB	< 1.0	0.15 J
Vinyl chloride	µg/L	280	2.0	13	< 1.0	< 1.0	< 1.0	< 1.0	< 67	< 67	< 67	< 40	< 1.0	< 1.0	< 1.0	< 1.0

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Table 6
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)
10/1/2020	52,101	11/1/2020	51,344	12/1/2020	32,176
10/2/2020 ^Q	44,568	11/2/2020	48,155	12/2/2020	29,582
10/3/2020	41,371	11/3/2020 ^{*Q}	39,607	12/3/2020	22,185
10/4/2020	39,707	11/4/2020	37,643	12/4/2020	25,207
10/5/2020	38,878	11/5/2020	36,529	12/5/2020	38,134
10/6/2020 ^{Q*}	37,928	11/6/2020 ^Q	35,825	12/6/2020	31,816
10/7/2020	37,611	11/7/2020	35,487	12/7/2020 ^{SQ}	31,333
10/8/2020	37,688	11/8/2020	35,200	12/8/2020	59,944
10/9/2020 ^Q	37,823	11/9/2020 ^Q	35,120	12/9/2020	64,216
10/10/2020	37,678	11/10/2020	35,845	12/10/2020	61,988
10/11/2020	37,694	11/11/2020	37,239	12/11/2020 ^Q	60,392
10/12/2020 ^Q	36,376	11/12/2020	36,316	12/12/2020	59,419
10/13/2020	38,390	11/13/2020	35,537	12/13/2020	59,017
10/14/2020	38,152	11/14/2020	35,168	12/14/2020 ^Q	58,640
10/15/2020	37,834	11/15/2020	34,922	12/15/2020 ^{*Q}	58,484
10/16/2020 ^Q	37,740	11/16/2020 ^Q	33,857	12/16/2020	57,942
10/17/2020	37,683	11/17/2020	35,726	12/17/2020	57,334
10/18/2020	37,535	11/18/2020	35,617	12/18/2020 ^Q	54,689
10/19/2020	37,381	11/19/2020	35,733	12/19/2020	48,399
10/20/2020	37,325	11/20/2020 ^Q	35,404	12/20/2020	45,732
10/21/2020 ^Q	37,222	11/21/2020	35,394	12/21/2020 ^Q	44,370
10/22/2020	37,222	11/22/2020	35,331	12/22/2020	44,350
10/23/2020	37,205	11/23/2020	35,200	12/23/2020	44,070
10/24/2020	37,047	11/24/2020	35,264	12/24/2020 ^Q	42,907
10/25/2020	37,085	11/25/2020 ^Q	35,262	12/25/2020	42,483
10/26/2020	36,971	11/26/2020	35,261	12/26/2020	42,412
10/27/2020	36,979	11/27/2020	35,495	12/27/2020 ^S	14,432
10/28/2020	36,809	11/28/2020	35,653	12/28/2020 ^{SQ}	28,560
10/29/2020 ^S	38,637	11/29/2020	35,702	12/29/2020	55,066
10/30/2020 ^S	40,683	11/30/2020 ^Q	34,404	12/30/2020	53,382
10/31/2020	52,331	--	--	12/31/2020 ^Q	52,573
Total volume discharged during October 2020	1,209,654	Total volume discharged during November 2020	1,099,240	Total volume discharged during December 2020	1,421,234

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).

^Q Hydraulic control system inspection visit.

^S System shut down.

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FIGURES



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SITE LOCATION

CITY: Novi DIV: ENV DB: MG PROJECT NUMBER: M001322.0001 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
T: ENV\Novi\Bridgton MI\FordLivoniaGIS\docs\GEC40 2020\Figure 1 - Site Location Map.mxd PLOTTED: 1/15/2021 2:23:13 PM BY: mai00749



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

GLENDAL ST

ROSATI AVE

CONCORD ST

CAPITOL ST

STARK RD

WADSWORTH ST

STANDISH ST

BOSTON POST ST

BREWSTER ST

PRISCILLA LN

LEVAN RD

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

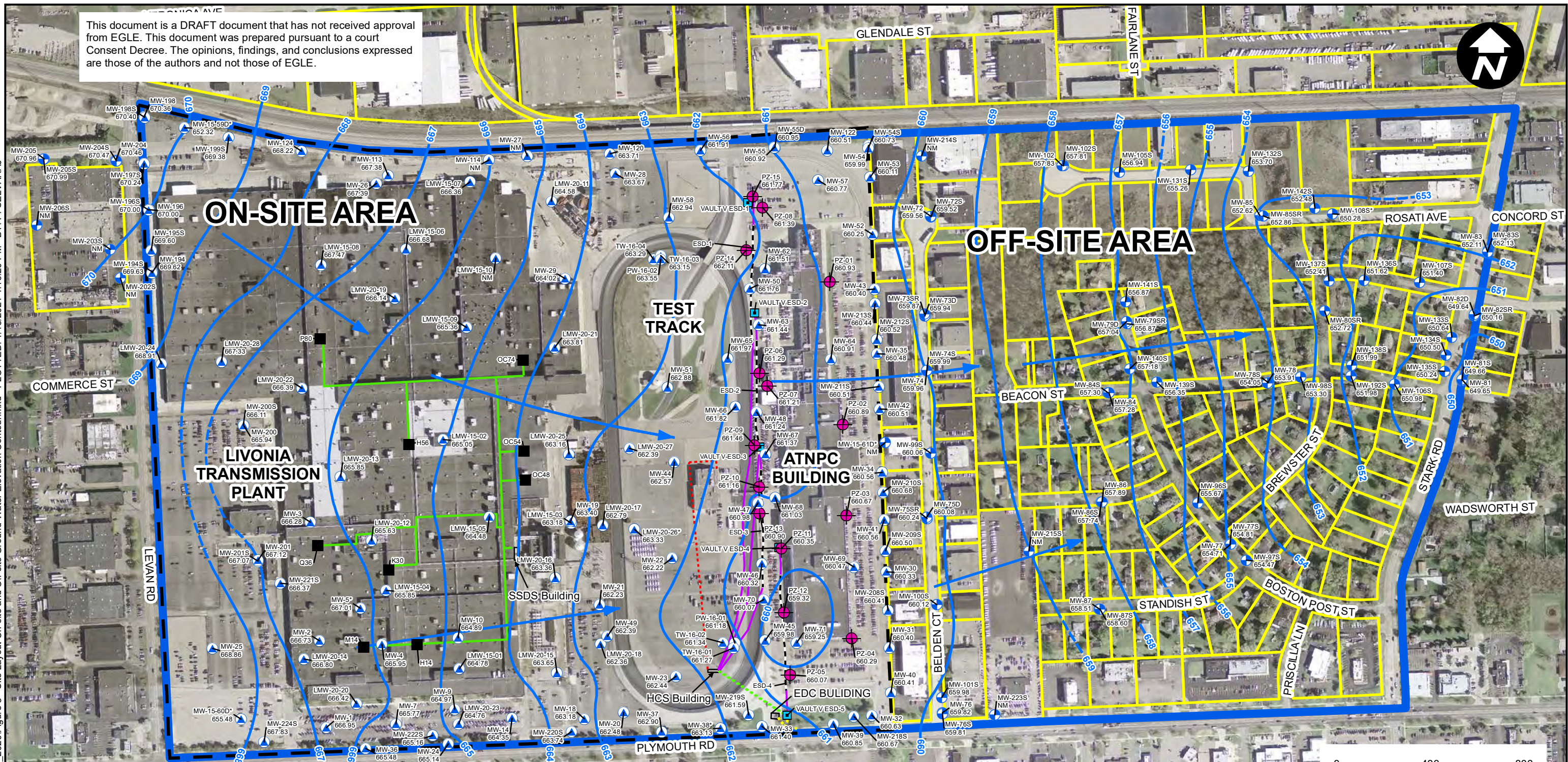


FIGURE

2

CITY: Novi DIV: ENV PROJECT NUMBER: 30050315 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
T: ENV\Novi\Brighton_MW\FordLivonia\GIS\docs\GEC4Q_2020\Figure 3 - Site Layout On-site and Off-site Ground Water Elevation Contour.mxd PLOTTED: 1/15/2021 1:16:20 PM BY: P. SELVARAJ

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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 NOVEMBER 20, 2020 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. ATPNC = 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

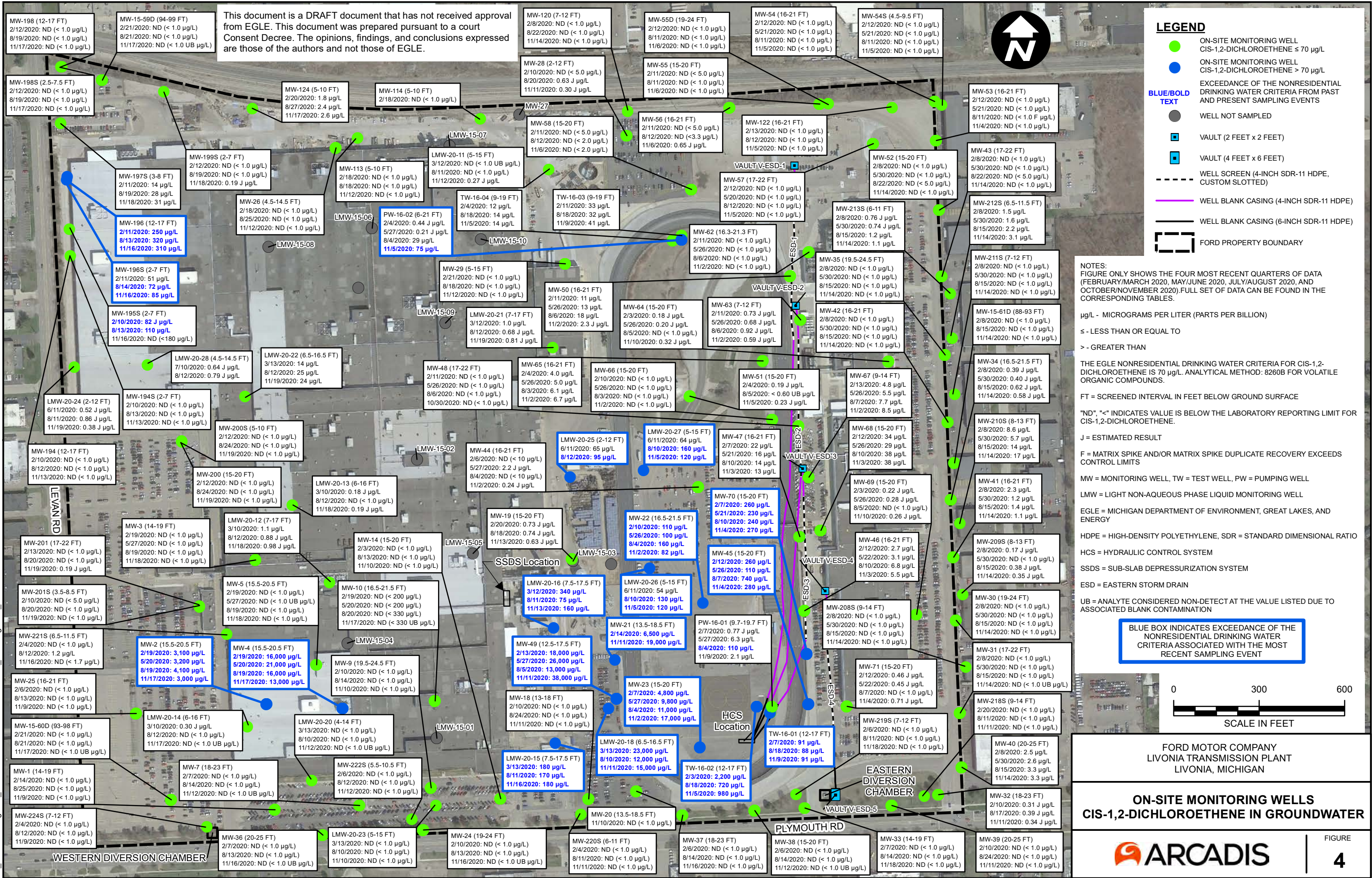
**SITE-WIDE GROUNDWATER ELEVATION
CONTOUR MAP UNDER PUMPING CONDITIONS
NOVEMBER 2020, PRE-FLUSHING EVENT**

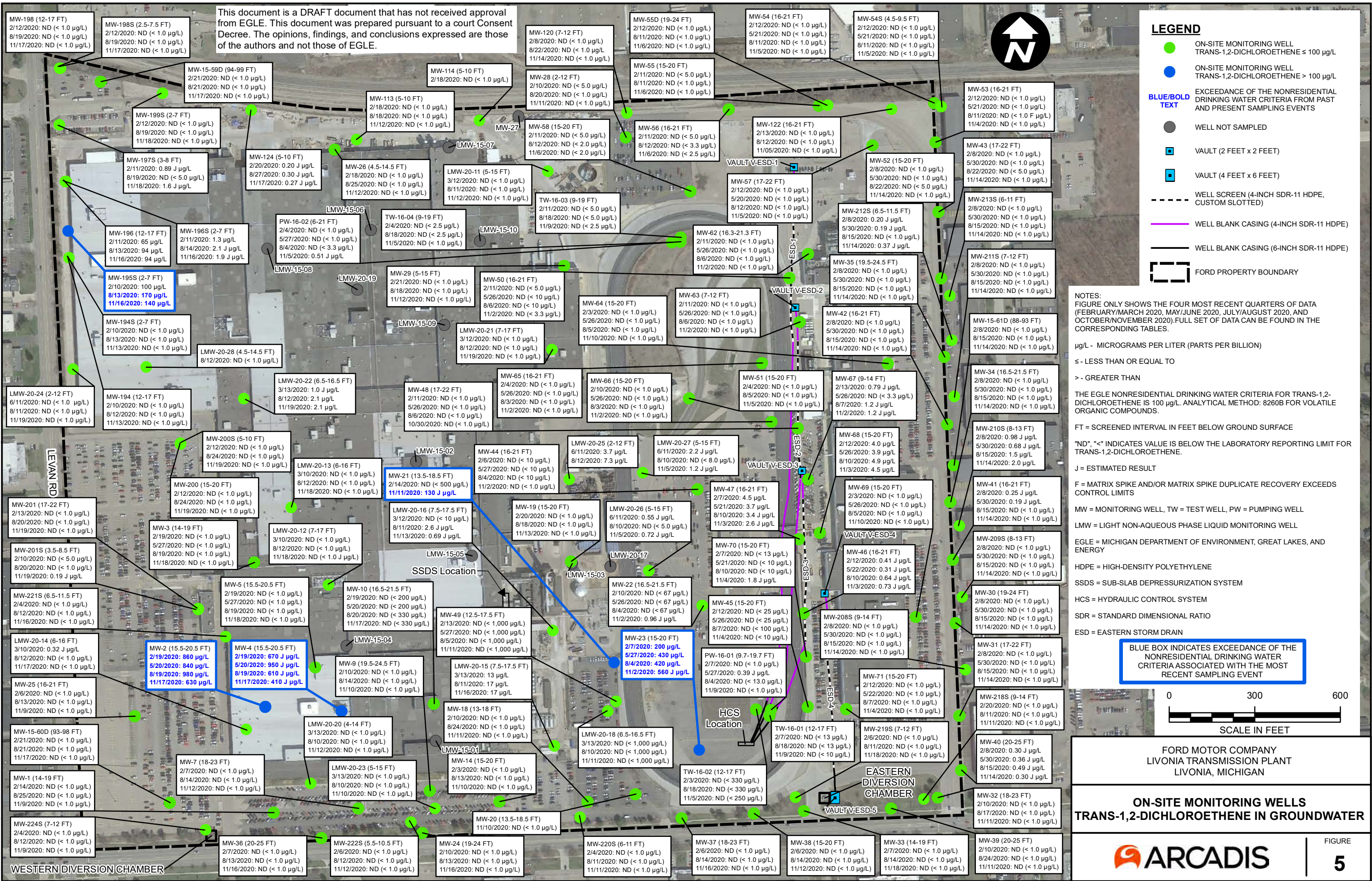
ARCADIS

FIGURE

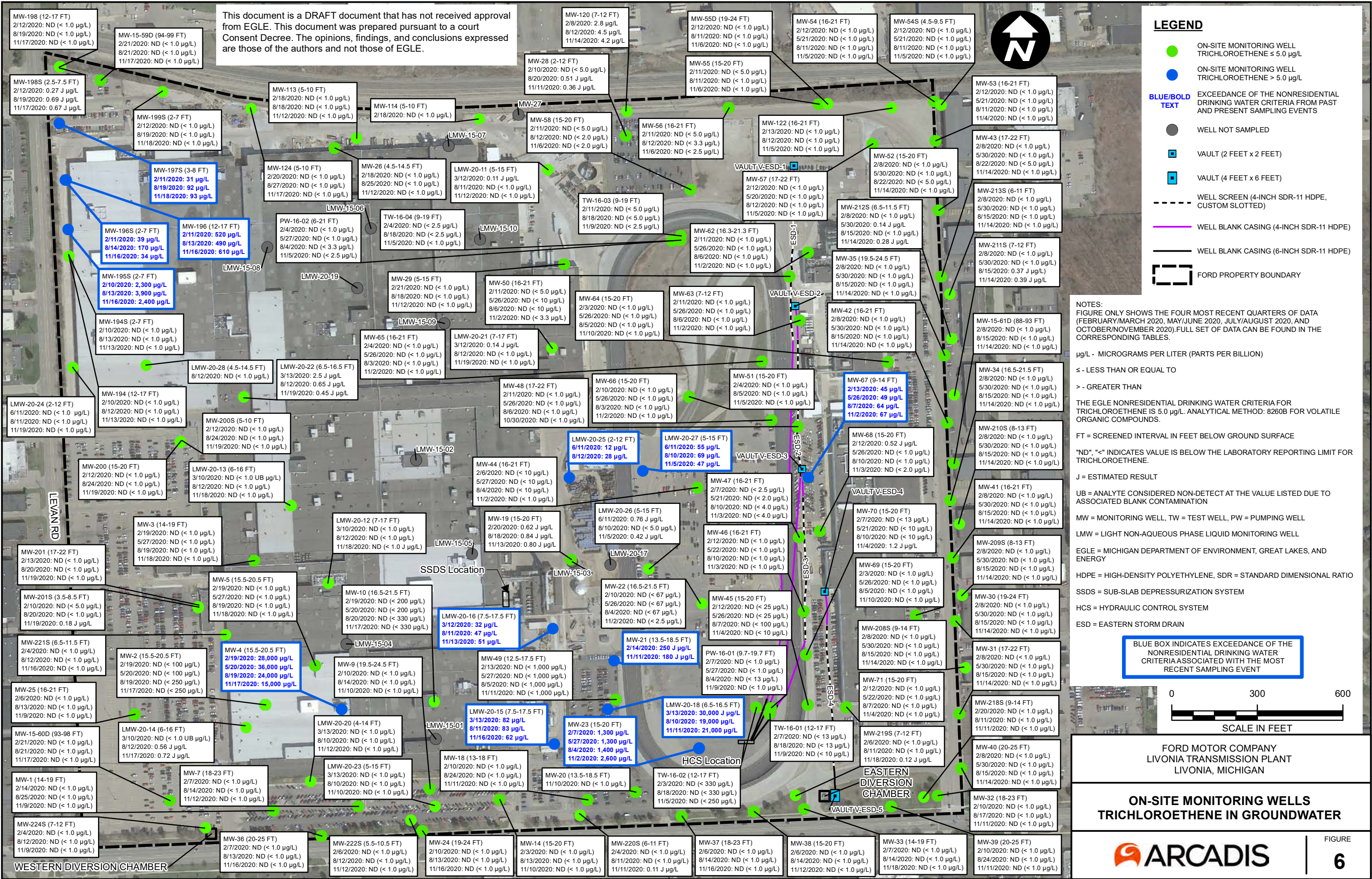
3

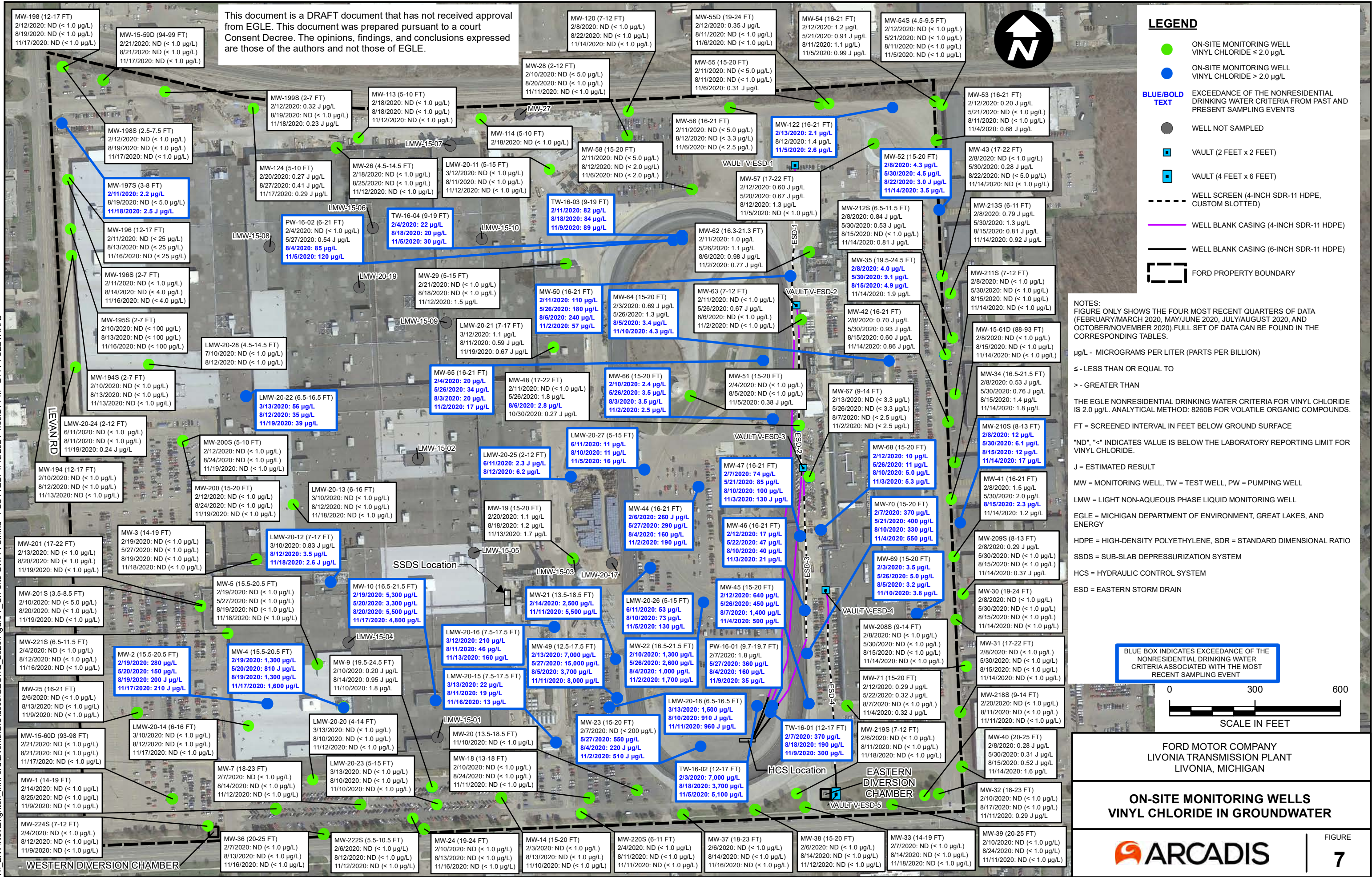
CITY: Novi; DIV: ENV; DB: MG; PROJECT NUMBER: 30050315.602; COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet; T: ENV\Novi\Brighton_MIFordLivoniaGIS\docs\GEC4Q_2020\Figure 4 - On-Site GWA cis.mxd; PLOTTED: 11/15/2021 1:21:04 PM; BY: P. SELVARAJ



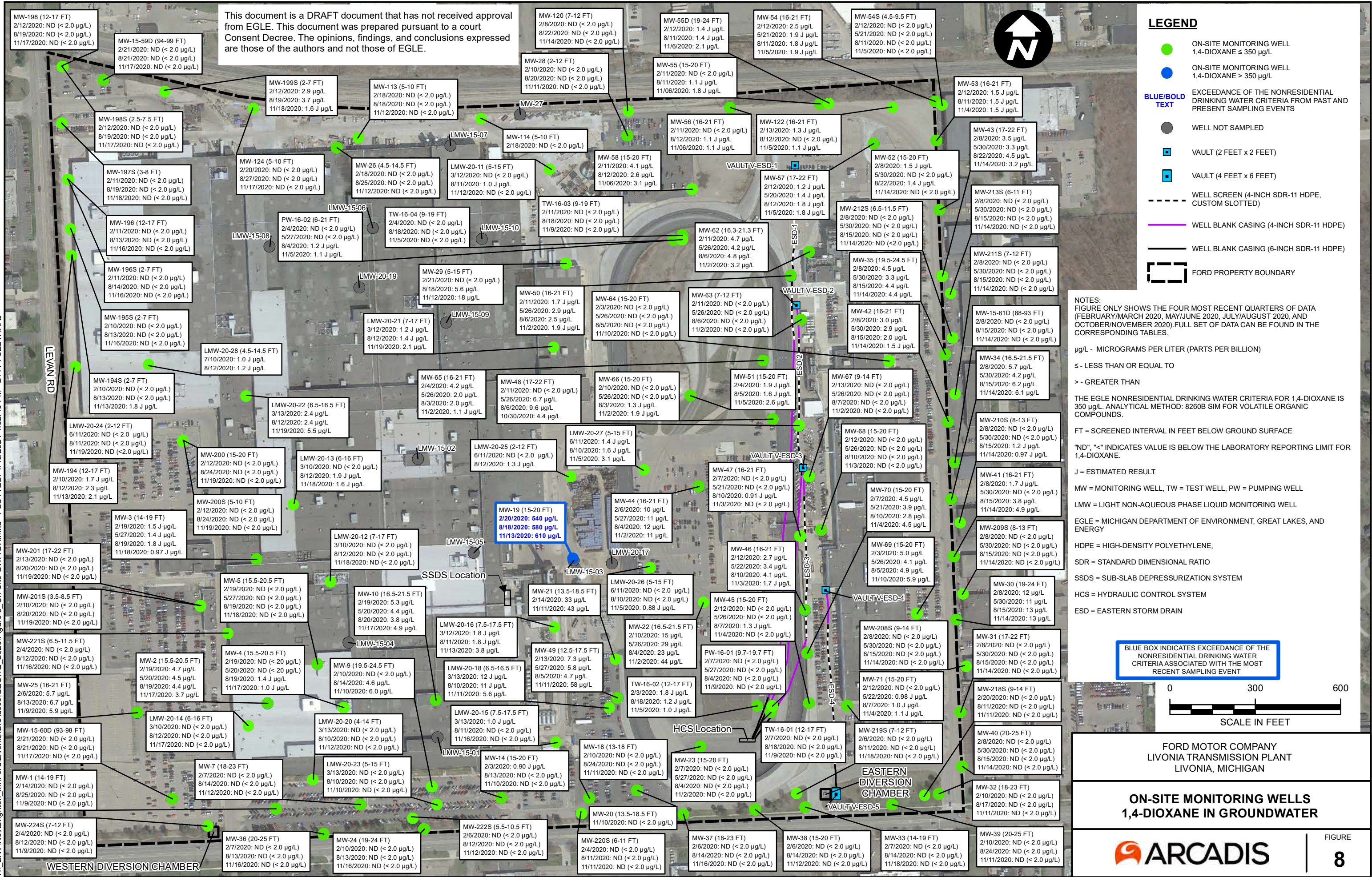


CITY: Novi; DIV: ENV; DB: MG; PROJECT NUMBER: 30050315.602; COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet; T: ENV\NovBrighton_MIFordLivonia\GIS\docs\GEC4Q_2020\Figure 6 On-Site GWA TCE.mxd; PLOTTED: 1/15/2021 1:27:33 PM; BY: P. SELVARAJ





CITY: Novi; DIV: ENV; DB: MG; PROJECT NUMBER: 30050315.602; COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet; T: ENVI\Novi\Brighton_MIFordLivoniaGIS\docs\GEC4Q_2020\Figure 8 - On-Site GWA DX.mxd; PLOTTED: 7/15/2021 1:32:46 PM; BY: P. SELVARAJ





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

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

≤ - 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



FIGURE

10A |

CITY: Novi DIV: ENV DB: MG PROJECT NUMBER: 30050315.602 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl
T:_ENV\NovBrighton_MW\FordLivonia\GIS\docs\GEC4Q_2020\Figure 10B_Results_Expanded_MW.mxd PLOTTED: 1/19/2021 11:48:26 AM BY: P. SELVARAJ

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MW-205S (4.5-9.5)
12/30/2019: ND (<1.0 µg/L)
02/07/2020: ND (<1.0 µg/L)
08/03/2020: ND (<1.0 µg/L)
11/02/2020: ND (< 1.0 µg/L)

MW-205 (12-17 FT)
01/03/2020: ND (<1.0 µg/L)
02/07/2020: ND (<1.0 µg/L)
08/03/2020: ND (<1.0 µg/L)
11/02/2020: ND (< 1.0 µg/L)

MW-206 (14-19 FT)
01/03/2020: 1,200 µg/L
02/07/2020: 950 µg/L
08/04/2020: 930 µg/L
10/29/2020: 1,700 µg/L

MW-206S (4.5-9.5 FT)
01/03/2020: 0.71 J µg/L
02/06/2020: ND (<1.0 UB µg/L)
08/04/2020: ND (<1.0 µg/L)
10/29/2020: 0.15 J µg/L

MW-203 (13-18 FT)
12/27/2019: 670 µg/L
02/07/2020: 670 µg/L
08/04/2020: 920 µg/L
10/29/2020: 1,000 µg/L

MW-203S (3-8 FT)
12/27/2019: 43 µg/L
02/07/2020: 44 µg/L
08/04/2020: 6.5 µg/L
10/29/2020: 22 µg/L

MW-202 (12-17 FT)
12/30/2019: ND (<1.0 µg/L)
02/06/2020: ND (<1.0 µg/L)
08/04/2020: ND (<1.0 µg/L)
10/29/2020: ND (<1.0 µg/L)

MW-202S (3.5-8.5)
12/30/2019: ND (<1.0 µg/L)
02/06/2020: ND (<1.0 µg/L)
08/04/2020: ND (<1.0 µg/L)
10/30/2020: ND (<1.0 µg/L)

MW-204 (12-17 FT)
01/03/2020: 61 µg/L
02/07/2020: 67 µg/L
08/03/2020: 62 µg/L
11/02/2020: 70 µg/L

MW-204S (4-9 FT)
12/27/2019: 37 µg/L
02/07/2020: 21 µg/L
08/03/2020: 130 µg/L
11/02/2020: 95 µg/L

MW-198 (12-17 FT)
11/25/2019: ND (<1.0 µg/L)
02/12/2020: ND (<1.0 µg/L)
08/19/2020: ND (<1.0 µg/L)
11/17/2020: ND (< 1.0 µg/L)

MW-198S (2.5-7.5 FT)
11/20/2019: 0.43 J µg/L
02/12/2020: 0.27 J µg/L
08/19/2020: 0.69 J µg/L
11/17/2020: 0.67 J µg/L

MW-199S (2-7 FT)
11/25/2019: ND (<1.0 µg/L)
02/12/2020: ND (<1.0 µg/L)
08/19/2020: ND (<1.0 µg/L)
11/18/2020: ND (< 1.0 µg/L)

MW-197S (3-8 FT)
11/25/2019: 14 µg/L
02/11/2020: 31 µg/L
08/19/2020: 92 µg/L
11/18/2020: 93 µg/L

MW-196 (12-17 FT)
11/20/2019: 490 µg/L
02/11/2020: 520 µg/L
08/13/2020: 490 µg/L
11/16/2020: 610 µg/L

MW-196S (2-7 FT)
11/20/2019: 78 µg/L
02/11/2020: 39 µg/L
08/14/2020: 170 µg/L
11/16/2020: 34 µg/L

MW-195S (2-7 FT)
11/20/2019: 3,400 µg/L
02/10/2020: 2,300 µg/L
08/13/2020: 3,900 µg/L
11/16/2020: 2,400 µg/L

MW-194S (2-7 FT)
11/20/2019: ND (<1.0 µg/L)
02/10/2020: ND (<1.0 µg/L)
08/13/2020: ND (<1.0 µg/L)
11/13/2020: ND (< 1.0 µg/L)

MW-194 (12-17 FT)
11/20/2019: ND (<1.0 µg/L)
02/10/2020: ND (<1.0 µg/L)
08/12/2020: ND (<1.0 µg/L)
11/13/2020: ND (< 1.0 µg/L)

MW-15-59D (94-99 FT)
02/06/2018: ND (<1.0 µg/L)
05/06/2018: ND (<1.0 µg/L)
08/09/2018: ND (<1.0 µg/L)
10/31/2018: ND (<1.0 µg/L)
03/05/2019: ND (<1.0 UB µg/L)
06/13/2019: ND (<1.0 µg/L)
09/27/2019: ND (<1.0 µg/L)
11/22/2019: ND (<1.0 µg/L)
02/21/2020: ND (<1.0 µg/L)
08/21/2020: ND (<1.0 µg/L)
11/17/2020: ND (< 1.0 µg/L)

MW-124 (5-10 FT)
04/23/2019: ND (<1.0 ug/L)
06/13/2019: ND (<1.0 ug/L)
09/30/2019: ND (<1.0 ug/L)
11/15/2019: ND (<1.0 ug/L)
02/20/2020: ND (<1.0 ug/L)
08/27/2020: ND (<1.0 ug/L)
11/17/2020: ND (< 1.0 µg/L)

LEGEND

- GROUNDWATER SAMPLE TRICHLOROETHENE >210 µg/L
- GROUNDWATER SAMPLE TRICHLOROETHENE ≤210 µg/L
- BLUE TEXT** EXCEEDANCE OF THE NR VIAC FROM PAST AND PRESENT SAMPLING EVENTS
- FORD PROPERTY BOUNDARY
- SANITARY
- WATER
- BURIED ELECTRIC
- COMMUNICATION
- NATURAL GAS
- OVERHEAD ELECTRIC

NOTES:

TCE = TRICHLOROETHENE
J = ESTIMATED RESULT, LESS THAN LABORATORY REPORTING LIMIT
ALL RESULTS SHOWN ARE FOR TRICHLOROETHENE (TCE) IN GROUNDWATER AND ARE UNITS OF MICROGRAMS PER LITER (µg/L).
THE EGLE NON-RESIDENTIAL VOLATILIZATION TO INDOOR AIR CRITERIA (NR VIAC) ADJUSTED FOR A 12 HOUR WORK-DAY EXPOSURE FOR TCE IS 210 µg/L. ANALYTICAL METHOD: 8260B FOR VOLATILE ORGANIC COMPOUNDS.
≤ - LESS THAN OR EQUAL TO
> - GREATER THAN
FT = SCREENED INTERVAL IN FEET BELOW GROUND SURFACE
"ND", "<" INDICATES VALUE IS BELOW THE LABORATORY REPORTING LIMIT FOR TRICHLOROETHENE.
EGLE = MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
MW = MONITORING WELL
UB = ANALYTE CONSIDERED NON-DETECT AT THE VALUE LISTED DUE TO ASSOCIATED BLANK CONTAMINATION

BLUE BOX INDICATES EXCEEDANCE OF THE NON-RESIDENTIAL GROUNDWATER VOLATILIZATION TO INDOOR AIR CRITERIA FOR TCE

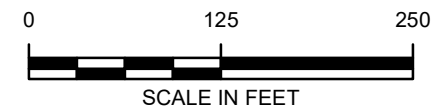
FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

NORTHWEST AREA MONITORING WELLS TRICHLOROETHENE IN GROUNDWATER ANALYTICAL RESULTS



FIGURE

10B



CITY: NOV; DIV: ENV; DB: MG; PIC: R. ELLIS; PM: K. HINSKEY; TM: R. WISMAN; TR: P. CURRY; PROJECT NUMBER: 30050315.602; COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet; T: \ENV\NovBrighton_MNFordLivonia\GIS\docs\GEC4Q_2020\Figure 11_Off-Site GWA VC.mxd; PLOTTED: 1/15/2021 2:11:01 PM; BY: ma00479

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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 (FEBRUARY/MARCH 2020, MAY/JUNE 2020, AUGUST 2020, AND NOVEMBER 2020). 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

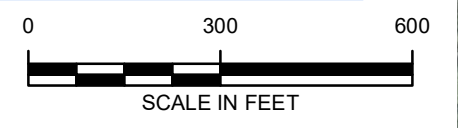
J = ESTIMATED CONCENTRATION ABOVE THE METHOD DETECTION LIMIT AND BELOW THE REPORTING LIMIT.

"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**

ARCADIS

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 November 20, 2020 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. * - well not gauged

FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

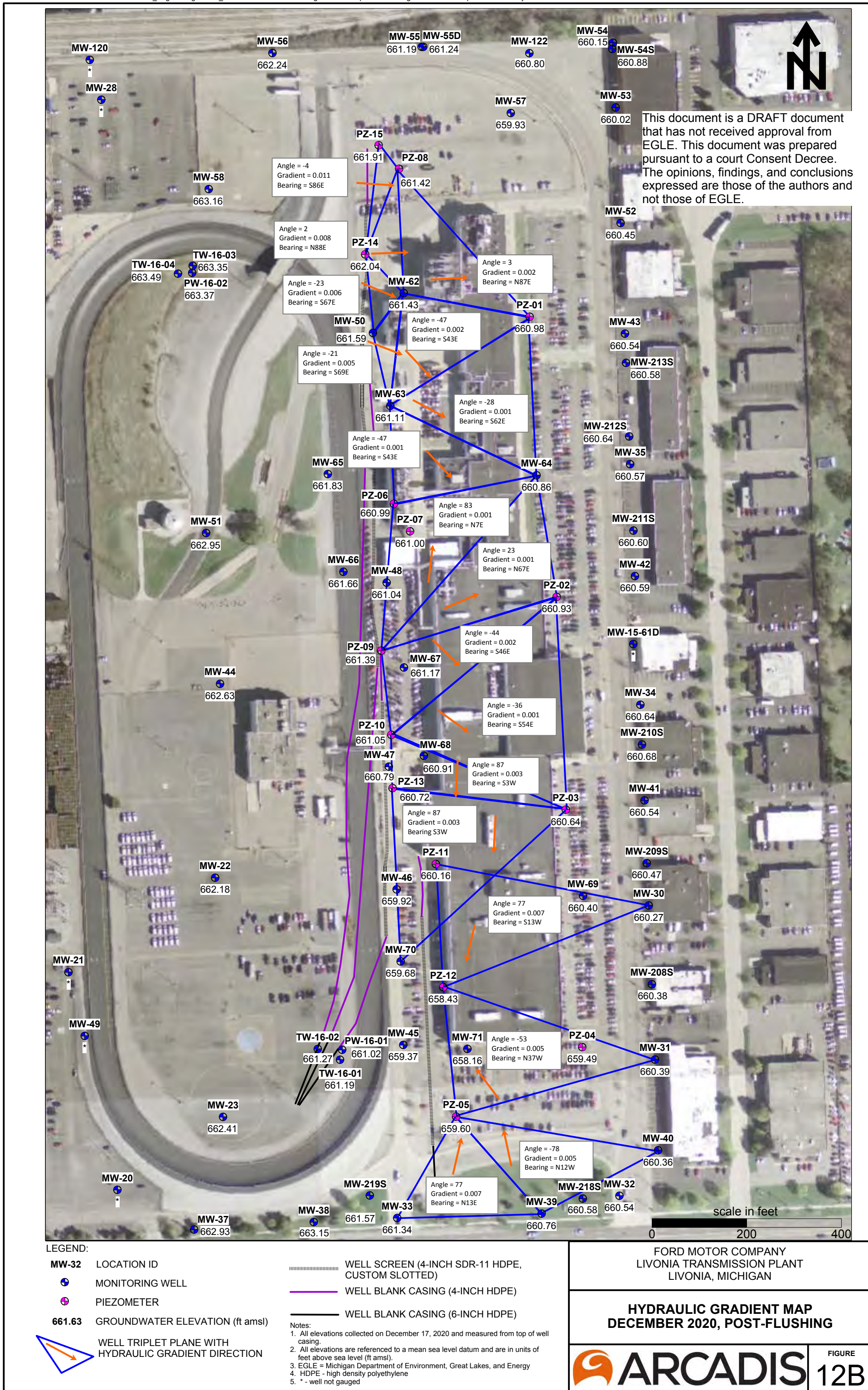
HYDRAULIC GRADIENT MAP
NOVEMBER 2020, PRE-FLUSHING



ARCADIS

FIGURE

12A



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	LMW-20-11	Date	11-12-20			
Project Name/Location	Ford LTP			Weather	33 degrees F, Fog/Mist			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-15	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	6.10	Total Depth (ft-bmp)	14.51	Water Column (ft.)	8.41			
		Pump Intake (ft-bmp)	7.60	Purge Method	Low-Flow			
		Well Volumes Purged	1.14					
Sample Time:	Label	9:45	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	8:40						
	Purge End	9:47						

Xenia

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	100	6.10	0.00	7.04	9.17	6.53	1.48	15.8	-61.3	Clear	No Odor
8:46	5	100	6.10	0.13	7.11	9.62	18.80	0.65	16.1	-100.2	Clear	No Odor
8:51	5	100	6.10	0.26	7.13	9.60	22.30	0.00	16.0	-102.8	Clear	No Odor
8:56	5	100	6.10	0.39	7.15	9.52	15.90	0.00	15.9	-104.6	Clear	No Odor
9:01	5	100	6.10	0.52	7.15	9.48	17.60	0.16	16.0	-106.5	Clear	No Odor
9:06	5	100	6.10	0.65	7.15	9.45	17.90	0.00	16.0	-106.2	Clear	No Odor
9:11	5	100	6.10	0.78	7.16	9.46	14.90	0.22	15.9	-105.7	Clear	No Odor
9:16	5	100	6.10	0.91	7.17	9.56	14.90	0.15	15.0	-105.4	Clear	No Odor
9:21	5	100	6.10	1.04	7.17	9.39	12.20	0.00	15.6	-103.2	Clear	No Odor
9:26	5	100	6.10	1.17	7.17	9.38	11.60	0.00	15.7	-102.9	Clear	No Odor
9:31	5	100	6.10	1.30	7.17	9.37	10.40	0.15	15.8	-102.7	Clear	No Odor
9:36	5	100	6.10	1.43	7.17	9.35	10.10	0.12	15.6	-102.3	Clear	No Odor
9:41	5	100	6.10	1.56	7.17	9.34	9.75	0.10	15.6	-101.8	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 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC, naphthalene, 2-methylnaphthalene	Container 40 mL Glass	Number 3	Preservative HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments None			

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:	On-site, 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



Ad

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

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:	Plant inside locked room behind the learning center. Door by K34.		Well Locked at Arrival:
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	LMW-20-13	Date	11-18-20			
Project Name/Location	Ford LTP		Weather	40 degrees F, Partly Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-16	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	7.84	Total Depth (ft-bmp)	14.25	Water Column (ft.)	6.41			
		Pump Intake (ft-bmp)	9.34	Gallons in Well	1.04			
		Well Volumes Purged	1.00	Purge Method	Low-Flow			
Sample Time:	Label	15:22	Volume Purged	1.04 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	14:37						
	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
14:40	0	100	7.84	0.00	7.29	10.09	1.70	0.72	21.8	24.8	Clear	No Odor
14:45	5	100	7.85	0.13	7.33	10.20	0.24	0.75	21.7	13.4	Clear	No Odor
14:50	5	100	7.85	0.26	7.33	10.34	2.14	0.30	21.8	-1.4	Clear	No Odor
14:55	5	100	7.85	0.39	7.33	10.38	0.33	0.23	21.8	-15.7	Clear	No Odor
15:00	5	100	7.85	0.52	7.33	10.37	0.02	0.21	21.8	-27.1	Clear	No Odor
15:05	5	100	7.85	0.65	7.32	10.37	0.02	0.17	21.8	-36.6	Clear	No Odor
15:10	5	100	7.85	0.78	7.31	10.38	0.02	0.14	21.9	-46.9	Clear	No Odor
15:15	5	100	7.85	0.91	7.30	10.38	0.02	0.16	21.9	-50.4	Clear	No Odor
15:20	5	100	7.85	1.04	7.30	10.40	0.02	0.16	21.9	-54.0	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 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC, naphthalene, 2-methylnaphthalene	Container 40 mL Glass	Number 3	Preservative HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments None			

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:	Plant by column N50.		Well Locked at Arrival:	n/a	
Condition of Well:	Good		Well Locked at Departure:	n/a	
Well Completion:	Flush mount		Lock Functioning:	n/a	



Ad

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

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:	Onsite; 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

Page 1 of 1

Project No.	30050315.401.01	Well ID	LMW-20-15	Date	11-16-20
Project Name/Location	Ford LTP	Weather	38 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7.5-17.5	Casing Diameter (in.)	2.0
Static Water Level (ft-bmp)	7.71	Total Depth (ft-bmp)	15.81	Water Column (ft.)	8.10
		Pump Intake (ft-bmp)	9.21	Purge Method	Low-Flow
		Well Volumes Purged	0.59	Gallons in Well	1.32
Sample Time:	Label	Volume Purged	0.78 gallons	Replicate/Code No.	--
	Purge Start	8:29		Sampled by	Xenia Chan
	Purge End	9:07			

Aub

[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, naphthalene, 2-methylnaphthalene	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
	6" = 1.47			

Well Information			
Well Location:	Onsite, southeast 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	LMW-20-16	Date	11-13-20
Project Name/Location	Ford LTP	Weather	40 degrees F. Haze		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7.5-17.5	Casing Diameter (in.)	2.0
Static Water Level (ft-bmp)	9.49	Total Depth (ft-bmp)	16.35	Water Column (ft.)	6.86
		Pump Intake (ft-bmp)	10.99	Purge Method	Low-Flow
		Well Volumes Purged	1.17	Gallons in Well	1.11
				Sample Method	Grab
Sample Time:	Label	9:18	Volume Purged	1.3 gallons	Replicate/Code No.
	Purge Start	8:23			--
	Purge End	9:20			
					Xenia Chan

Aub

[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, naphthalene, 2-methylnaphthalene	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
				6" = 1.47

Well Information

Well Location:	On-site, southeast 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	LMW-20-18			Date	11-11-20
Project Name/Location		Ford LTP	Weather			50 degrees F. Mostly Cloudy	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6.5-16.5	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	6.19	Total Depth (ft-bmp)	14.95	Water Column (ft.)	8.76	Gallons in Well	1.42
		Pump Intake (ft-bmp)	7.69	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.10				
Sample Time:	Label	9:15	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	8:41					Christina Weaver
	Purge End	9:21					

Chris

[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, naphthalene, 2-methylnaphthalene	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



Cher

[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, naphthalene, 2-methylnaphthalene	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



Project No.	30050315.401.01	Well ID	LMW-20-21			Date	11-19-20
Project Name/Location	Ford LTP		Weather		48 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-17	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	9.80	Total Depth (ft-bmp)	16.14	Water Column (ft.)	6.34	Gallons in Well	1.03
		Pump Intake (ft-bmp)	11.30	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.76				
Sample Time:	Label	10:32	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:57					Kara Donahue
	Purge End	10:35					

[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, naphthalene, 2-methylnaphthalene	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments

New heavy metal Sherwood well cover

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:	Plant between OG78 and OG74.	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	LMW-20-22			Date	11-19-20
Project Name/Location	Ford LTP		Weather		50 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6.5-16.5	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	7.32	Total Depth (ft-bmp)	15.78	Water Column (ft.)	8.46	Gallons in Well	1.37
		Pump Intake (ft-bmp)	8.82	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.57				
Sample Time:	Label	11:59	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:21					Kara Donahue
	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, naphthalene, 2-methylnaphthalene	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, 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



Cher

[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, naphthalene, 2-methylnaphthalene	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	LMW-20-24		Date	11-19-20	
Project Name/Location	Ford LTP		Weather	57 degrees F. Mostly Cloudy and Windy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-12	Casing Diameter (in.)	2.0	Well Material	PVC	
Static Water Level (ft-bmp)	3.15	Total Depth (ft-bmp)	11.36	Water Column (ft.)	8.21	Gallons in Well	1.33	
		Pump Intake (ft-bmp)	4.65	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.17					
Sample Time:	Label	14:14	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	13:08						
	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
13:10	0	100	3.18	0.00	7.60	2.35	2.95	1.78	15.7	25.6	Clear	No Odor
13:15	5	100	3.17	0.13	7.52	2.35	2.23	0.78	16.0	24.2	Clear	No Odor
13:20	5	100	3.17	0.26	7.51	2.36	1.83	0.71	15.6	21.0	Clear	No Odor
13:25	5	100	3.17	0.39	7.51	2.36	2.66	0.55	15.5	15.8	Clear	No Odor
13:30	5	100	3.17	0.52	7.51	2.35	1.60	0.41	15.7	10.7	Clear	No Odor
13:35	5	100	3.17	0.65	7.51	2.35	1.22	0.32	15.9	4.1	Clear	No Odor
13:40	5	100	3.17	0.78	7.52	2.35	2.61	0.39	15.7	-0.4	Clear	No Odor
13:45	5	100	3.17	0.91	7.51	2.35	0.02	0.33	15.7	-8.9	Clear	Faint Odor
13:50	5	100	3.17	1.04	7.52	2.36	0.02	0.31	15.7	-13.0	Clear	No Odor
13:55	5	100	3.17	1.17	7.53	2.36	0.02	0.32	15.8	-19.3	Clear	No Odor
14:00	5	100	3.18	1.30	7.52	2.36	0.02	0.33	15.6	-24.4	Clear	No Odor
14:05	5	100	3.18	1.43	7.51	2.36	0.02	0.29	15.6	-31.1	Clear	Faint Odor
14:10	5	100	3.18	1.56	7.50	2.36	0.02	0.33	15.5	-37.9	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 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC, naphthalene, 2-methylnaphthalene	Container 40 mL Glass	Number 3	Preservative HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments None			

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:	Outside plant by door AA-76.		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	LMW-20-25			Date	11-17-20
Project Name/Location	Ford LTP		Weather		34 degrees F. Light Snow and Fog/Mist		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-12	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	7.43	Total Depth (ft-bmp)	11.56	Water Column (ft.)	4.13	Gallons in Well	0.67
		Pump Intake (ft-bmp)	8.93	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.94				
Sample Time:	Label	9:13	Volume Purged	1.3 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	8:17					Xenia Chan
	Purge End	9:16					

Ahr

[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, naphthalene, 2-methylnaphthalene	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments

Sample collected but not run for analysis due to the potential presence of LNAPL during the gauging event completed on November 20, 2020.

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:	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	LMW-20-26		Date	11-5-20	
Project Name/Location	Ford LTP		Weather	52 degrees F, Mostly Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-15	Casing Diameter (in.)	2.0	Well Material	PVC	
Static Water Level (ft-bmp)	7.33	Total Depth (ft-bmp)	14.22	Water Column (ft.)	6.89	Gallons in Well	1.12	
		Pump Intake (ft-bmp)	8.83	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.55					
Sample Time:	Label	9:25	Volume Purged	2.86 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	8:25						
	Purge End	9:30						

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
8:27	0	200	7.39	0.00	7.33	1.36	167.00	0.56	18.1	148.0	Clear, Small White Particulates	No Odor
8:32	5	200	7.39	0.26	7.29	1.59	80.00	5.14	18.3	49.2	Clear, Small White Particulates	No Odor
8:37	5	200	7.38	0.52	7.33	1.61	60.80	4.50	18.6	-66.5	Clear, Small White Particulates	No Odor
8:42	5	200	7.38	0.78	7.36	1.55	55.80	4.01	18.5	-118.6	Clear, Small White Particulates	No Odor
8:47	5	200	7.38	1.04	7.36	1.61	50.80	3.58	18.5	-142.4	Clear, Small White Particulates	No Odor
8:52	5	200	7.38	1.30	7.41	1.52	50.00	3.17	18.4	150.6	Clear, Small White Particulates	No Odor
8:57	5	200	7.38	1.56	7.38	1.61	40.80	3.01	18.5	-150.6	Clear, Small White Particulates	No Odor
9:02	5	200	7.38	1.82	7.36	1.71	33.50	2.55	18.5	-156.2	Clear, Small White Particulates	No Odor
9:07	5	200	7.38	2.08	7.36	1.73	17.10	2.23	18.5	-159.1	Clear	No Odor
9:12	5	200	7.38	2.34	7.37	1.74	4.97	2.10	18.6	-160.4	Clear	No Odor
9:17	5	200	7.38	2.60	7.37	1.72	3.74	2.00	18.6	-162.6	Clear	No Odor
9:22	5	200	7.38	2.86	7.37	1.70	0.33	1.99	18.6	-162.8	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
1,4-dioxane	40 mL Glass	3	HCL
1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC, naphthalene, 2-methylnaphthalene	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	LMW-20-27			Date	11-5-20
Project Name/Location	Ford LTP		Weather		57 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-15	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	7.90	Total Depth (ft-bmp)	14.51	Water Column (ft.)	6.61	Gallons in Well	1.07
		Pump Intake (ft-bmp)	9.40	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.63				
Sample Time:	Label	10:25	Volume Purged	1.74 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:50					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, naphthalene, 2-methylnaphthalene	40 mL Glass	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments

Added 1 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:	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



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	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments

Pad has sunken, needs new riser with coupler. Replacement bolts are too large for flush mount

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:	Missing bolts,Poor	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



Project No.	30050315.401.01	Well ID	MW-02			Date	11-17-20
Project Name/Location	Ford LTP		Weather		33 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15.5-20.5	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	7.09	Total Depth (ft-bmp)	19.52	Water Column (ft.)	12.43	Gallons in Well	2.02
		Pump Intake (ft-bmp)	18.00	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.39				
Sample Time:	Label	15:33	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:58					Kara Donahue
	Purge End	15:37					

[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; 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



Project No.	30050315.401.01	Well ID	MW-03			Date	11-18-20
Project Name/Location	Ford LTP		Weather		33 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	14-19	Casing Diameter (in.)	2.0	Well Material	
Static Water Level (ft-bmp)	7.32	Total Depth (ft-bmp)	18.66	Water Column (ft.)	11.34	Gallons in Well	
		Pump Intake (ft-bmp)	16.50	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	0.42				
Sample Time:	Label	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	10:42				Kara Donahue	
	Purge End	11:21					

[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:	Plant by column 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

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Project No.	30050315401.01	Well ID	MW-04		Date	11-17-20
Project Name/Location	Ford LTP		Weather		34 degrees F. Mostly Cloudy	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15.5-20.5	Casing Diameter (in.)	2.0	PVC
Static Water Level (ft-bmp)	7.77	Total Depth (ft-bmp)	20.15	Water Column (ft.)	12.38	Gallons in Well
		Pump Intake (ft-bmp)	18.00	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	0.39			Grab
Sample Time:	Label	12:37	Volume Purged	0.78 gallons	Replicate/Code No.	DUP-08
	Purge Start	12:00				
	Purge End	12:44				

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

Well Information			
Well Location:	Onsite; 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	MV-05			Date	11-18-20
Project Name/Location	Ford LTP		Weather		39 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15.5-20.5	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	7.38	Total Depth (ft-bmp)	19.65	Water Column (ft.)	12.27	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	12:23	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:48					Kara Donahue
	Purge End	12:27					

[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:	Plant by column 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



Project No.	30050315.401.01	Well ID	MW-07			Date	11-12-20
Project Name/Location	Ford LTP		Weather		36 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	18-23	Casing Diameter (in.)	2.0	Well Material	
Static Water Level (ft-bmp)	5.12	Total Depth (ft-bmp)	22.35	Water Column (ft.)	17.23	Gallons in Well	
		Pump Intake (ft-bmp)	20.50	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	0.56			Grab	
Sample Time:	Label	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	11:50				Christina Weaver	
	Purge End	12:30					

[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

One out of two holes on lid broken. Tabs still in good shape. Replacement bolts do not fit. Lid is flush

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:	Onsite; South	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



Cher

[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

Replacement bolts do not fit in tabs

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,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-10			Date	11-17-20
Project Name/Location	Ford LTP		Weather		33 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16.5-21.5	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	8.90	Total Depth (ft-bmp)	20.75	Water Column (ft.)	11.85	Gallons in Well	1.93
		Pump Intake (ft-bmp)	19.00	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.47				
Sample Time:	Label	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	10:41					
	Purge End	11:28					

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

Well Location:	Onsite; 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-14		Date	11-10-20	
Project Name/Location	Ford LTP		Weather	76 degrees F, Partly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Gallons in Well	1.99	
Static Water Level (ft-bmp)	6.81	Total Depth (ft-bmp)	19.03	Water Column (ft.)	12.22	Sample Method	Grab	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.21					
Sample Time:	Label	15:03	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	14:13						
	Purge End	15:06						

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
14:15	0	220	7.24	0.00	7.68	2.63	38.60	0.87	18.4	-115.4	Clear, Small Black Particulates	No Odor
14:20	5	220	7.24	0.29	7.23	2.22	18.80	0.30	18.6	-110.3	Clear, Small Black Particulates	No Odor
14:25	5	200	7.24	0.58	7.20	2.93	2.08	0.23	18.5	-114.9	Clear, Small Black Particulates	No Odor
14:30	5	200	7.24	0.84	7.19	3.42	0.02	0.20	18.6	-114.7	Clear, Small Black Particulates	No Odor
14:35	5	200	7.24	1.10	7.18	4.16	0.02	0.14	18.5	-112.0	Clear	No Odor
14:40	5	200	7.24	1.36	7.17	4.48	0.02	0.14	18.8	-110.4	Clear	No Odor
14:45	5	200	7.24	1.62	7.16	4.79	0.02	0.13	18.7	-108.0	Clear	No Odor
14:50	5	200	7.24	1.88	7.16	5.01	0.02	0.13	18.7	-106.4	Clear	No Odor
14:55	5	200	7.24	2.14	7.15	5.12	0.02	0.13	18.7	-105.2	Clear	No Odor
15:00	5	200	7.24	2.40	7.15	5.15	0.02	0.10	18.7	-103.7	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

Replacement bolts do not fit tabs

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 South	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-15-59D			Date	11-17-20
Project Name/Location	Ford LTP		Weather		33 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	94-99	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	23.08	Total Depth (ft-bmp)	98.75	Water Column (ft.)	75.67	Gallons in Well	12.30
		Pump Intake (ft-bmp)	96.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.26				
Sample Time:	Label	Volume Purged	3.2 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	11:08					
	Purge End	12:05					

[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 tabs broke off. Lid still sits flush

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:	Onsite; West	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-15-60D Date 11-17-20
Project Name/Location Ford LTP Weather 32 degrees F. Snowing, Windy
Measuring Pt. Description Top of Casing Screen Setting (ft-bmp) 93-98 Casing Diameter (in.) 2.0 Well Material PVC
Static Water Level (ft-bmp) 20.20 Total Depth (ft-bmp) 98.16 Water Column (ft.) 77.96 Gallons in Well 12.67
Pump Intake (ft-bmp) 95.50 Purge Method Low-Flow Sample Method Grab
Well Volumes Purged 0.32

Sample Time: Label 9:57 Volume Purged 4 gallons Replicate/Code No. -- Sampled by Christina Weaver
Purge Start 9:03
Purge End 10:10

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	300	20.60	0.00	7.25	0.42	101.00	0.61	13.8	-40.2	Clear, Cloudy	No Odor
9:10	5	300	20.65	0.40	7.28	0.42	97.70	0.62	13.8	-70.7	Clear, Cloudy	No Odor
9:15	5	300	20.65	0.80	7.43	0.41	81.00	0.53	12.5	-111.6	Clear, Cloudy	No Odor
9:20	5	300	20.60	1.20	7.50	0.40	46.50	0.46	14.6	-138.1	Clear, Cloudy	No Odor
9:25	5	300	20.61	1.60	7.56	0.40	24.30	0.40	14.0	-147.9	Clear, Small White Particulates	No Odor
9:30	5	300	20.61	2.00	7.64	0.39	12.80	0.28	14.0	-163.9	Clear, Small White Particulates	No Odor
9:35	5	300	20.60	2.40	7.68	0.39	6.35	0.34	13.9	-173.9	Clear	No Odor
9:40	5	300	20.61	2.80	7.70	0.36	6.88	0.35	14.2	-184.8	Clear	No Odor
9:45	5	300	20.62	3.20	7.74	0.36	3.70	0.28	13.9	-189.1	Clear	No Odor
9:50	5	300	20.62	3.60	7.75	0.36	1.23	0.28	14.1	-193.1	Clear	No Odor
9:55	5	300	20.63	4.00	7.76	0.35	1.24	0.30	14.2	-194.5	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 Replaced 1 missing bolt

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: 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-15-61D		Date	11-14-20	
Project Name/Location	Ford LTP		Weather	26 degrees F, Fog/Mist				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	88-93	Casing Diameter (in.)	2.0	Well Material	PVC	
Static Water Level (ft-bmp)	25.16	Total Depth (ft-bmp)	92.90	Water Column (ft.)	67.74	Gallons in Well	11.01	
		Pump Intake (ft-bmp)	90.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.44					
Sample Time:	Label	9:16	Volume Purged	4.8 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	8:12						
	Purge End	9:19						

Julia McClafferty

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
8:14	0	300	26.60	0.00	7.72	1.02	7.99	0.54	13.7	17.9	Clear	Faint Odor
8:19	5	300	27.79	0.40	7.73	1.02	7.65	0.53	13.7	11.7	Clear	Faint Odor
8:24	5	300	28.05	0.80	7.71	1.01	7.86	0.59	12.8	1.6	Clear	Faint Odor
8:29	5	300	28.60	1.20	7.68	0.98	6.16	0.83	14.8	-8.5	Clear	Faint Odor
8:34	5	300	30.10	1.60	7.67	0.98	5.24	0.71	13.3	-9.0	Clear	Faint Odor
8:39	5	300	31.43	2.00	7.65	0.97	5.36	0.61	14.0	-12.3	Clear	Faint Odor
8:44	5	300	33.59	2.40	7.64	0.97	6.53	0.64	14.2	-16.7	Clear	Faint Odor
8:49	5	300	35.10	2.80	7.64	0.97	4.79	0.44	14.3	-32.2	Clear	Faint Odor
8:54	5	300	36.22	3.20	7.63	0.95	5.77	0.37	14.3	-45.0	Clear	No Odor
8:59	5	300	37.05	3.60	7.63	0.96	4.61	0.40	14.1	-55.7	Clear	Faint Odor
9:04	5	300	38.33	4.00	7.64	0.96	4.64	0.38	14.0	-60.9	Clear	Faint Odor
9:09	5	300	39.43	4.40	7.63	0.95	5.60	0.33	14.0	-64.6	Clear	Faint Odor
9:14	5	300	40.15	4.80	7.64	0.96	6.97	0.35	14.4	-66.4	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 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	Container 40 mL Glass	Number 3	Preservative HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments Replaced the one bolt missing; sunken sand pack; both thread tabs are stripped			

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:	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	11-11-20
Project Name/Location	Ford LTP		Weather		49 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	13-18	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	7.12	Total Depth (ft-bmp)	17.85	Water Column (ft.)	10.73	Gallons in Well	1.74
		Pump Intake (ft-bmp)	15.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.90				
Sample Time:	Label	13:03	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:27					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	3	HCL
1,4-dioxane	40 mL Glass	3	HCL

Comments

Replacement bolts are too big for tabs

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:	Onsite South	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



Project No.	30050315.401.01	Well ID	MW-19			Date	11-13-20
Project Name/Location	Ford LTP		Weather		42 degrees F. Haze		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	6.11	Total Depth (ft-bmp)	20.00	Water Column (ft.)	13.89	Gallons in Well	2.26
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.35				
Sample Time:	Label	10:18	Volume Purged	0.78 gallons	Replicate/Code No.	DUP-07	Sampled by
	Purge Start	9:42					Xenia Chan
	Purge End	10:21					

Aut

[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:	On-site, 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-20		Date	11-10-20	
Project Name/Location	Ford LTP		Weather	Not Recorded		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	13.5-18.5	Casing Diameter (in.)	2.0	Gallons in Well	1.31	
Static Water Level (ft-bmp)	6.98	Total Depth (ft-bmp)	15.02	Water Column (ft.)	8.04	Sample Method	Grab	
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow			
		Well Volumes Purged	2.04					
Sample Time:	Label	11:35	Volume Purged	2.67 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	10:40						
	Purge End	11:42						

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
10:43	0	200	7.32	0.00	7.54	4.37	54.60	1.30	19.2	-154.2	Clear, Cloudy	No Odor
10:48	5	200	7.29	0.26	7.61	6.13	61.40	1.08	19.1	-185.2	Clear	No Odor
10:53	5	200	7.21	0.52	7.53	8.10	17.40	0.94	19.2	-179.2	Clear	No Odor
10:58	5	250	7.21	0.78	7.52	8.02	2.52	0.88	19.3	-177.2	Clear	No Odor
11:03	5	200	7.21	1.11	7.47	8.87	0.02	0.78	19.3	-169.5	Clear	No Odor
11:08	5	200	7.21	1.37	7.44	9.24	0.02	0.75	19.3	-166.3	Clear	No Odor
11:13	5	200	7.21	1.63	7.36	10.60	0.02	0.67	19.4	-159.2	Clear	No Odor
11:18	5	200	7.21	1.89	7.32	10.87	0.02	0.63	19.4	-152.7	Clear	No Odor
11:23	5	200	7.21	2.15	7.30	11.06	0.02	0.45	19.4	-150.0	Clear	No Odor
11:28	5	200	7.21	2.41	7.28	11.26	0.02	0.49	19.4	-146.2	Clear	No Odor
11:33	5	200	7.21	2.67	7.26	11.37	0.02	0.45	19.4	-142.6	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" = 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 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-21	Date	11-11-20
Project Name/Location	Ford LTP			Weather	48 degrees F, Mostly Clear
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	13.5-18.5	Casing Diameter (in.)	2.0
Static Water Level (ft-bmp)	7.45	Total Depth (ft-bmp)	17.55	Water Column (ft.)	10.10
		Pump Intake (ft-bmp)	16.00	Purge Method	Low-Flow
		Well Volumes Purged	2.39		
Sample Time:	Label	11:52	Volume Purged	3.92 gallons	Replicate/Code No.
	Purge Start	10:46			DUP-06
	Purge End	12:03			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
10:49	0	250	7.72	0.00	6.98	15.55	50.10	0.84	16.8	-120.4	Clear, Cloudy	No Odor
10:54	5	220	7.70	0.33	7.00	14.88	37.70	0.46	16.8	-126.0	Clear, Cloudy	No Odor
10:59	5	250	7.70	0.62	7.01	13.92	34.70	0.38	16.8	-128.2	Clear, Cloudy	No Odor
11:04	5	250	7.70	0.95	7.00	13.84	22.30	0.23	16.9	-131.8	Clear	No Odor
11:09	5	250	7.70	1.28	7.00	13.87	10.90	0.29	16.9	-133.6	Clear	No Odor
11:14	5	250	7.70	1.61	7.01	13.63	4.25	0.29	17.1	-135.1	Clear	No Odor
11:19	5	250	7.70	1.94	7.02	13.11	4.84	0.12	17.2	-136.5	Clear	No Odor
11:24	5	250	7.70	2.27	7.03	12.58	0.02	0.11	17.1	-137.8	Clear	No Odor
11:29	5	250	7.70	2.60	7.04	12.29	0.02	0.16	17.1	-138.0	Clear	No Odor
11:34	5	250	7.70	2.93	7.04	12.04	0.02	0.11	17.1	-138.3	Clear	No Odor
11:39	5	250	7.70	3.26	7.05	11.80	0.02	0.12	17.2	-138.5	Clear	No Odor
11:44	5	250	7.70	3.59	7.05	11.65	0.02	0.10	17.2	-138.6	Clear	No Odor
11:49	5	250	7.70	3.92	7.05	11.45	0.02	0.09	17.2	-138.7	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

One out of two holes on lid broken. Replacement bolts are too big for this flush mount

Well Casing Volumes			
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26
	1.25" = 0.06	2" = 0.16	3" = 0.37
Well Information			
Well Location:	Onsite East	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-22		Date	11-2-20	
Project Name/Location	Ford LTP		Weather	40 degrees F, Partly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16.5-20.5	Casing Diameter (in.)	2.0	Gallons in Well	2.05	
Static Water Level (ft-bmp)	7.90	Total Depth (ft-bmp)	20.49	Water Column (ft.)	12.59	Sample Method	Grab	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.89					
Sample Time:	Label	13:03	Volume Purged	1.82 gallons	Replicate/Code No.	DUP-01	Sampled by	Christina Weaver
	Purge Start	12:22						
	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
12:25	0	200	8.12	0.00	7.12	11.20	31.40	7.18	15.4	-134.4	Clear	No Odor
12:30	5	200	8.05	0.26	7.15	11.03	17.80	6.48	15.5	-142.4	Clear	No Odor
12:35	5	200	8.05	0.52	7.17	10.90	7.03	6.04	15.5	-147.6	Clear	No Odor
12:40	5	200	8.05	0.78	7.17	10.74	2.86	5.67	15.7	-150.1	Clear	No Odor
12:45	5	200	8.05	1.04	7.17	10.69	4.35	5.48	15.4	-150.7	Clear	No Odor
12:50	5	200	8.05	1.30	7.17	10.57	3.35	5.13	15.6	-150.7	Clear	No Odor
12:55	5	200	8.06	1.56	7.16	10.47	2.38	4.93	15.8	-151.3	Clear	No Odor
13:00	5	200	8.05	1.82	7.16	10.47	1.86	4.73	15.6	-152.1	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	1.25" = 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.	30050315401.01	Well ID	MW-23			Date	11-2-20
Project Name/Location	Ford LTP		Weather		45 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	7.71	Total Depth (ft-bmp)	19.70	Water Column (ft.)	11.99	Gallons in Well	1.95
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.04				
Sample Time:	Label	14:25	Volume Purged	2.03 gallons	Replicate/Code No.	DUP-02	Sampled by
	Purge Start	13:45					Christina Weaver
	Purge End	14:35					

[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	6	HCL
1,4-dioxane	40 mL Glass	6	HCL

Comments

One out of three tabs broken. Replaced 1 bolt. Unable to use additional 2 spots

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:	Onsite, East	Well Locked at Arrival:	n/a
Condition of Well:	Broken thread tabs,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-24			Date	11-16-20
Project Name/Location	Ford LTP		Weather		37 degrees F		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19-24	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	10.30	Total Depth (ft-bmp)	23.88	Water Column (ft.)	13.58	Gallons in Well	2.21
		Pump Intake (ft-bmp)	21.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.81				
Sample Time:	Label	11:55	Volume Purged	1.78 gallons	Replicate/Code No.	MW-24-MS_111620, MW-24-MSD_111620	Sampled by
	Purge Start	11:21					Christina Weaver
	Purge End	12:10					

Chris

[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:	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



Cher

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

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 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



Aub

[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:	On-site, northeast 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-28			Date	11-11-20
Project Name/Location	Ford LTP		Weather		50 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-12	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	4.67	Total Depth (ft-bmp)	11.69	Water Column (ft.)	7.02	Gallons in Well	1.14
		Pump Intake (ft-bmp)	7.00	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.94				
Sample Time:	Label	Volume Purged	1.07 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	8:50					
	Purge End	9:38					

Ahr

[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

Only 1 thread tab

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:	On-site, north 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-29			Date	11-12-20
Project Name/Location	Ford LTP		Weather		44 degrees F. Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-15	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	5.50	Total Depth (ft-bmp)	14.74	Water Column (ft.)	9.24	Gallons in Well	1.50
		Pump Intake (ft-bmp)	10.00	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.52				
Sample Time:	Label	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	12:39					
	Purge End	13:17					

Ahr

[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

Could not replace missing bolts

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:	On-site, northeast of property	Well Locked at Arrival:	n/a
Condition of Well:	Broken thread tabs,Fair,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-30	Date	11-14-20			
Project Name/Location	Ford LTP			Weather	30 degrees F, Sunny, Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19-24	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	10.15	Total Depth (ft-bmp)	24.71	Water Column (ft.)	14.56			
		Pump Intake (ft-bmp)	21.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.66					
Sample Time:	Label	14:21	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	13:18						
	Purge End	14:26						

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
13:20	0	100	10.78	0.00	7.50	6.12	19.30	1.01	15.7	-110.4	Clear, Turbid	No Odor
13:25	5	100	10.78	0.13	7.53	6.13	14.50	0.82	15.9	-129.0	Clear	No Odor
13:30	5	100	10.92	0.26	7.54	6.14	13.10	0.77	15.8	-137.4	Clear	No Odor
13:35	5	100	10.95	0.39	7.55	6.10	12.30	0.69	15.9	-144.4	Clear	No Odor
13:40	5	100	10.98	0.52	7.55	6.09	13.60	0.68	15.9	-144.9	Clear	No Odor
13:45	5	100	11.00	0.65	7.55	6.03	9.84	0.60	15.8	-147.0	Clear	No Odor
13:50	5	100	11.00	0.78	7.55	6.00	12.10	0.55	15.7	-147.7	Clear	No Odor
13:55	5	100	11.00	0.91	7.55	5.97	9.57	0.54	15.9	-148.2	Clear	No Odor
14:00	5	100	11.00	1.04	7.55	5.96	11.70	0.53	15.8	-148.2	Clear	No Odor
14:05	5	100	11.00	1.17	7.55	5.95	12.90	0.49	15.9	-148.1	Clear	No Odor
14:10	5	100	11.00	1.30	7.55	5.95	11.20	0.47	15.9	-148.1	Clear	No Odor
14:15	5	100	11.00	1.43	7.54	5.92	10.30	0.54	15.8	-148.2	Clear	No Odor
14:20	5	100	11.04	1.56	7.54	5.91	12.10	0.45	15.9	-148.3	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	



Gang
Schulz

[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

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; 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-32		Date	11-11-20	
Project Name/Location	Ford LTP		Weather	48 degrees F, Mostly Clear				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	18-23	Casing Diameter (in.)	2.0	Well Material	PVC	
Static Water Level (ft-bmp)	9.79	Total Depth (ft-bmp)	22.86	Water Column (ft.)	13.07	Gallons in Well	2.12	
		Pump Intake (ft-bmp)	20.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.49					
Sample Time:	Label	10:57	Volume Purged	1.04 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	10:11						
	Purge End	10:59						

Xenia

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
10:13	0	100	10.04	0.00	7.37	3.57	45.40	1.71	14.0	-129.7	Clear, Small Orange Particulates	No Odor
10:18	5	100	10.04	0.13	7.13	3.48	42.70	0.85	14.2	-126.3	Clear, Small Orange Particulates	No Odor
10:23	5	100	10.04	0.26	7.12	3.51	33.60	0.38	14.3	-125.8	Clear, Small Orange Particulates	No Odor
10:28	5	100	10.04	0.39	7.11	3.49	22.90	0.41	14.4	-125.7	Clear, Small Orange Particulates	No Odor
10:33	5	100	10.04	0.52	7.11	3.50	13.30	0.16	14.5	-126.0	Clear, Small Orange Particulates	No Odor
10:38	5	100	10.04	0.65	7.11	3.52	12.80	0.45	14.4	-126.2	Clear, Small Orange Particulates	No Odor
10:43	5	100	10.04	0.78	7.11	3.52	6.89	0.21	14.3	-126.3	Clear, Small Orange Particulates	No Odor
10:48	5	100	10.04	0.91	7.11	3.53	6.75	0.18	14.4	-126.6	Clear, Small Orange Particulates	No Odor
10:53	5	100	10.04	1.04	7.11	3.53	6.65	0.15	14.5	-126.8	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:	On-site, 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-33			Date	11-18-20
Project Name/Location	Ford LTP		Weather		39 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	14-19	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	8.27	Total Depth (ft-bmp)	18.70	Water Column (ft.)	10.43	Gallons in Well	1.69
		Pump Intake (ft-bmp)	16.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.85				
Sample Time:	Label	13:47	Volume Purged	1.43 gallons	Replicate/Code No.	MW-33-MS_111820, MW-33-MSD_111820	Sampled by
	Purge Start	12:44					Xenia Chan
	Purge End	13:52					

Ahr

[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:	Onsite, southeast 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



Cher

[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-35	Date	11-14-20			
Project Name/Location	Ford LTP			Weather	37 degrees F, Mostly Clear			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19.5-24.5	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	9.00	Total Depth (ft-bmp)	24.24	Water Column (ft.)	15.24			
		Pump Intake (ft-bmp)	22.00	Purge Method	Low-Flow			
		Well Volumes Purged	0.47					
Sample Time:	Label	14:29	Volume Purged	1.17 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	13:38						
	Purge End	14:32						

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
13:40	0	100	9.40	0.00	7.58	2.29	0.02	1.92	15.4	-84.6	Clear	No Odor
13:45	5	100	9.69	0.13	7.64	2.38	2.62	0.48	15.6	-134.3	Clear	No Odor
13:50	5	100	9.64	0.26	7.64	2.42	31.90	0.35	15.2	-140.8	Clear	No Odor
13:55	5	100	9.64	0.39	7.64	2.41	103.00	0.46	15.1	-148.6	Clear	No Odor
14:00	5	100	9.64	0.52	7.64	2.35	54.20	0.56	14.8	-150.0	Clear	No Odor
14:05	5	100	9.64	0.65	7.64	2.38	38.20	0.24	15.1	-152.0	Clear	No Odor
14:10	5	100	9.62	0.78	7.63	2.33	19.00	0.26	14.8	-153.6	Clear	No Odor
14:15	5	100	9.63	0.91	7.63	2.32	13.50	0.17	15.3	-156.4	Clear	No Odor
14:20	5	100	9.75	1.04	7.64	2.31	14.70	0.29	15.1	-159.8	Clear	No Odor
14:25	5	100	9.81	1.17	7.64	2.29	14.00	0.25	15.5	-161.0	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:	On-site; 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	



Project No.	30050315.401.01	Well ID	MW-36			Date	11-16-20
Project Name/Location	Ford LTP		Weather			37 degrees F	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	20-25	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	9.86	Total Depth (ft-bmp)	24.77	Water Column (ft.)	14.91	Gallons in Well	2.42
		Pump Intake (ft-bmp)	22.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.79				
Sample Time:	Label	10:44	Volume Purged	1.91 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:09					Christina Weaver
	Purge End	10:50					

[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

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 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-37			Date	11-16-20
Project Name/Location	Ford LTP		Weather		38 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	18-23	Casing Diameter (in.)	2.0	Well Material	
Static Water Level (ft-bmp)	8.31	Total Depth (ft-bmp)	22.79	Water Column (ft.)	14.48	Gallons in Well	
		Pump Intake (ft-bmp)	20.50	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	0.66			Grab	
Sample Time:	Label	13:15	Volume Purged	1.56 gallons	Replicate/Code No.	MW-37-MS_111620, MW-37-MSD_111620	Sampled by
	Purge Start	12:39					Christina Weaver
	Purge End	13:28					

Chris

[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

Replaced 3 missing bolts

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:	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	11-12-20
Project Name/Location	Ford LTP		Weather		36 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	8.65	Total Depth (ft-bmp)	19.51	Water Column (ft.)	10.86	Gallons in Well	1.76
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.03				
Sample Time:	Label	Volume Purged	1.82 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	9:35					
	Purge End	10:16					

Chris

[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	11-11-20
Project Name/Location	Ford LTP		Weather		49 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19.5-24.5	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	11.33	Total Depth (ft-bmp)	24.20	Water Column (ft.)	12.87	Gallons in Well	2.09
		Pump Intake (ft-bmp)	22.00	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.37				
Sample Time:	Label	13:36	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:59					Xenia Chan
	Purge End	13:38					

Aub

[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:	On-site; 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-40		Date	11-14-20	
Project Name/Location	Ford LTP		Weather	26 degrees F. Fog/Mist		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	10.12.04	Gallons in Well	1.54	
Static Water Level (ft-bmp)	10.14	Total Depth (ft-bmp)	19.64	Water Column (ft.)	9.50	Sample Method	Grab	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.76					
Sample Time:	Label	9:41	Volume Purged	1.17 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	8:53						
	Purge End	9:51						

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
8:55	0	100	10.25	0.00	7.19	14.76	2.78	1.30	15.7	12.4	Clear	No Odor
9:00	5	100	10.25	0.13	7.22	14.72	2.76	1.06	15.5	-42.1	Clear	No Odor
9:05	5	100	10.25	0.26	7.25	14.61	3.70	0.96	15.4	-70.1	Clear	No Odor
9:10	5	100	10.25	0.39	7.27	14.33	4.33	0.41	15.5	-80.3	Clear	No Odor
9:15	5	100	10.25	0.52	7.38	13.97	3.44	0.40	15.7	-84.5	Clear	No Odor
9:20	5	100	10.25	0.65	7.29	13.98	2.69	0.39	16.2	-87.0	Clear	No Odor
9:25	5	100	10.25	0.78	7.30	14.25	2.64	0.38	16.5	-89.7	Clear	No Odor
9:30	5	100	10.25	0.91	7.31	14.44	2.23	0.30	16.1	-91.3	Clear	No Odor
9:35	5	100	10.25	1.04	7.32	14.51	1.94	0.28	16.0	-92.2	Clear	No Odor
9:40	5	100	10.25	1.17	7.33	14.62	2.20	0.24	16.2	-93.3	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; 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-41			Date	11-14-20
Project Name/Location	Ford LTP		Weather		26 degrees F. Fog/Mist		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	9.76	Total Depth (ft-bmp)	19.94	Water Column (ft.)	10.18	Gallons in Well	1.65
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.05				
Sample Time:	Label	Volume Purged	1.74 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	9:16					
	Purge End	9:57					

[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				
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:	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	11-14-20	
Project Name/Location	Ford LTP		Weather	26 degrees F, Fog/Mist				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2.0	Well Material	PVC	
Static Water Level (ft-bmp)	9.56	Total Depth (ft-bmp)	20.50	Water Column (ft.)	10.94	Gallons in Well	1.78	
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.88					
Sample Time:	Label	11:05	Volume Purged	1.56 gallons	Replicate/Code No.	MW-42-MS_111420, MW-42-MSD_111420	Sampled by	Kara Donahue
	Purge Start	9:57						
	Purge End	11:18						

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
10:00	0	100	9.69	0.00	7.02	20.43	0.02	2.16	13.9	-46.9	Clear	No Odor
10:05	5	100	9.69	0.13	7.05	20.33	0.02	1.89	13.6	-67.7	Clear	No Odor
10:10	5	100	9.69	0.26	7.07	19.98	0.02	1.72	13.6	-85.4	Clear	No Odor
10:15	5	100	9.69	0.39	7.08	19.85	0.02	1.53	13.8	-94.8	Clear	No Odor
10:20	5	100	9.73	0.52	7.08	19.94	0.02	0.53	14.6	-103.5	Clear	No Odor
10:25	5	100	9.74	0.65	7.08	19.98	0.02	0.71	14.6	-108.0	Clear	No Odor
10:30	5	100	9.74	0.78	7.08	20.00	0.02	0.65	14.9	-111.7	Clear	No Odor
10:35	5	100	9.74	0.91	7.08	19.87	0.02	0.46	15.4	-116.4	Clear	No Odor
10:40	5	100	9.74	1.04	7.09	19.77	0.02	0.53	15.1	-117.9	Clear	No Odor
10:45	5	100	9.71	1.17	7.09	19.70	0.02	0.44	14.6	-118.9	Clear	No Odor
10:50	5	100	9.71	1.30	7.09	19.62	0.02	0.53	14.7	-120.3	Clear	No Odor
10:55	5	100	9.71	1.43	7.09	19.50	0.02	0.38	14.5	-121.5	Clear	No Odor
11:00	5	100	9.62	1.56	7.10	19.15	0.02	0.48	14.3	-121.0	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 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	Container 40 mL Glass	Number 9	Preservative HCL
1,4-dioxane	40 mL Glass	9	HCL
Comments	None		

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:	On-site; 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-43	Date	11-14-20			
Project Name/Location	Ford LTP	Weather	28 degrees F. Clear					
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	17-22	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	8.84	Total Depth (ft-bmp)	21.75	Water Column (ft.)	12.91			
		Pump Intake (ft-bmp)	19.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.14	Gallons in Well	2.10			
				Sample Method	Grab			
Sample Time:	Label	12:02	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	10:58						
	Purge End	12:05						

Julia McClafferty

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
11:00	0	150	9.00	0.00	7.73	10.94	35.20	0.73	15.9	-152.9	Clear	No Odor
11:05	5	150	9.00	0.20	7.46	11.25	37.90	0.27	16.1	-144.6	Clear	No Odor
11:10	5	150	9.00	0.40	7.38	11.29	35.40	0.18	16.0	-141.3	Clear	No Odor
11:15	5	150	9.00	0.60	7.35	11.28	28.50	0.15	16.3	-139.9	Clear	No Odor
11:20	5	150	9.00	0.80	7.34	11.35	20.50	0.13	16.3	-137.5	Clear	No Odor
11:25	5	150	9.00	1.00	7.34	11.43	23.10	0.09	16.3	-136.3	Clear	No Odor
11:30	5	150	9.00	1.20	7.34	11.48	15.90	0.07	16.4	-136.3	Clear	No Odor
11:35	5	150	9.00	1.40	7.35	11.56	19.70	0.09	16.3	-136.5	Clear	No Odor
11:40	5	150	9.00	1.60	7.35	11.64	9.13	0.07	16.3	-136.7	Clear	No Odor
11:45	5	150	9.00	1.80	7.35	11.67	10.30	0.05	16.5	-136.9	Clear	No Odor
11:50	5	150	9.00	2.00	7.35	11.70	11.40	0.04	16.5	-137.3	Clear	No Odor
11:55	5	150	9.00	2.20	7.35	11.69	9.12	0.08	16.3	-137.1	Clear	No Odor
12:00	5	150	9.00	2.40	7.35	11.74	5.44	0.70	16.4	-137.4	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	1 thread tab stripped		

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:	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-44			Date	11-2-20
Project Name/Location	Ford LTP		Weather		30 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	8.81	Total Depth (ft-bmp)	20.93	Water Column (ft.)	12.12	Gallons in Well	1.97
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.92				
Sample Time:	Label	Volume Purged	1.82 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	9:08					
	Purge End	9:56					

[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

Replacement bolt did not thread

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:	Onsite, East	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-45			Date	11-4-20
Project Name/Location	Ford LTP		Weather		51 degrees F. Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	11.04	Total Depth (ft-bmp)	19.71	Water Column (ft.)	8.67	Gallons in Well	1.41
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.13				
Sample Time:	Label	Volume Purged	1.6 gallons	Replicate/Code No.	DUP-05	Sampled by	Xenia Chan
	Purge Start	10:22					
	Purge End	11:23					

Aub

[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

Replaced bolts

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:	On-site, S 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	11-3-20
Project Name/Location	Ford LTP			Weather	56 degrees F. Clear
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2.0
Static Water Level (ft-bmp)	11.00	Total Depth (ft-bmp)	19.78	Water Column (ft.)	8.78
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow
		Well Volumes Purged	1.35		
Sample Time:	Label	14:53	Volume Purged	1.93 gallons	Replicate/Code No.
	Purge Start	13:49			--
	Purge End	14:56			
					Sampled by
					Xenia Chan

Xenia

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
13:50	0	118	11.00	0.00	7.48	3.63	45.60	1.17	18.2	-49.0	Clear, Small Orange Particulates	No Odor
13:55	5	118	11.10	0.16	7.22	4.48	40.10	0.51	18.1	-125.7	Clear, Small Orange Particulates	No Odor
14:00	5	118	11.10	0.32	7.22	7.09	19.80	0.35	18.0	-170.0	Clear, Small Orange Particulates	No Odor
14:05	5	118	11.10	0.48	7.17	8.17	14.70	0.25	17.9	-161.4	Clear, Small Orange Particulates	No Odor
14:10	5	118	11.10	0.64	7.13	8.74	9.62	0.20	18.0	-153.0	Clear, Small Orange Particulates	No Odor
14:15	5	118	11.10	0.80	7.10	9.23	9.85	0.17	17.9	-146.5	Clear	No Odor
14:20	5	118	11.10	0.96	7.08	9.61	7.37	0.08	17.9	-142.5	Clear	No Odor
14:25	5	118	11.10	1.12	7.06	9.89	7.36	0.12	17.9	-147.4	Clear	No Odor
14:30	5	128	11.10	1.28	7.04	10.02	5.62	0.12	17.8	-132.7	Clear	No Odor
14:35	5	118	11.10	1.45	7.03	10.25	5.17	0.11	17.8	-129.3	Clear	No Odor
14:40	5	118	11.10	1.61	7.02	10.41	4.41	0.10	17.8	-125.6	Clear	No Odor
14:45	5	118	11.10	1.77	7.00	10.54	4.62	0.11	17.8	-122.6	Clear	No Odor
14:50	5	118	11.10	1.93	6.99	10.70	2.96	0.27	17.8	-119.7	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:	Near parking lot A sign in gravel next to the road	Well Locked at Arrival:	n/a	
Condition of Well:	Broken thread tabs, Fair, 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-47			Date	11-3-20
Project Name/Location	Ford LTP		Weather		38 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	10.31	Total Depth (ft-bmp)	19.98	Water Column (ft.)	9.67	Gallons in Well	1.57
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.71				
Sample Time:	Label	11:02	Volume Purged	1.12 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:21					Xenia Chan
	Purge End	11:04					

Ahr

[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

3 broken thread tabs

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:	Near fence in no parking area	Well Locked at Arrival:	n/a
Condition of Well:	Broken thread tabs,Fair,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-48	Date	10-30-20			
Project Name/Location	Ford LTP			Weather	38 degrees F, Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	17-22	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	10.10	Total Depth (ft-bmp)	20.26	Water Column (ft.)	10.16			
		Pump Intake (ft-bmp)	19.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.18					
Sample Time:	Label	11:05	Volume Purged	1.95 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	9:58						
	Purge End	11:14						

Xenia Chan

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	118	10.11	0.00	7.58	2.27	96.50	2.87	15.5	-201.0	Clear, Small Brown Particulates	No Odor
10:05	5	118	10.11	0.16	7.38	1.65	124.00	0.00	16.6	-145.2	Clear, Small Brown Particulates	No Odor
10:10	5	118	10.11	0.32	7.35	1.53	65.40	0.30	16.8	-135.0	Clear, Small Brown Particulates	No Odor
10:15	5	118	10.11	0.48	7.35	1.50	39.30	0.30	16.8	-128.7	Clear, Small Brown Particulates	No Odor
10:20	5	148	10.01	0.64	7.36	1.54	33.70	0.04	16.9	-130.5	Clear, Small Brown Particulates	No Odor
10:25	5	118	10.01	0.83	7.37	1.59	21.60	0.21	17.0	-132.5	Clear, Small Brown Particulates	No Odor
10:30	5	118	10.01	0.99	7.37	1.63	17.20	0.17	16.9	-133.5	Clear	No Odor
10:35	5	118	10.01	1.15	7.37	1.70	17.20	0.15	16.9	-134.2	Clear, Small Brown Particulates	No Odor
10:40	5	118	10.01	1.31	7.37	1.77	9.71	0.16	16.8	-134.0	Clear, Small Brown Particulates	No Odor
10:45	5	118	10.01	1.47	7.37	1.83	13.10	0.10	16.8	-133.5	Clear, Small Brown Particulates	No Odor
10:50	5	118	10.01	1.63	7.37	1.89	15.40	0.13	16.8	-133.2	Clear, Small Brown Particulates	No Odor
10:55	5	118	10.01	1.79	7.37	2.00	8.74	0.12	16.4	-132.9	Clear, Small Brown Particulates	No Odor
11:00	5	118	10.01	1.95	7.37	2.00	8.13	0.11	16.6	-132.2	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			
Label should be redone			

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:	Parking lot	Well Locked at Arrival:	n/a		
Condition of Well:	Fair, 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	11-11-20
Project Name/Location	Ford LTP		Weather		48 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12.5-17.5	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	6.64	Total Depth (ft-bmp)	17.19	Water Column (ft.)	10.55	Gallons in Well	1.71
		Pump Intake (ft-bmp)	15.00	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.97				
Sample Time:	Label	10:20	Volume Purged	1.66 gallons	Replicate/Code No.	DUP-03	Sampled by
	Purge Start	9:46					Christina Weaver
	Purge End	10:28					

[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

Has 2 out of 3 tabs on vault. Only 2 out of 3 bolts

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-50	Date	11-2-20			
Project Name/Location	Ford LTP			Weather	34 degrees F, Partly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	8.36	Total Depth (ft-bmp)	18.81	Water Column (ft.)	10.45			
		Pump Intake (ft-bmp)	18.50	Gallons in Well	1.70			
		Well Volumes Purged	1.13	Purge Method	Low-Flow			
Sample Time:	Label	11:01	Volume Purged	1.92 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	9:54						
	Purge End	11:04						

Xenia

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
9:56	0	118	8.54	0.00	8.60	0.30	36.70	3.36	14.3	-103.8	Clear, Small Black Particulates	No Odor
10:01	5	118	8.54	0.16	7.76	0.33	15.90	1.33	14.3	-88.3	Clear, Small Black Particulates	No Odor
10:06	5	118	8.54	0.32	7.51	0.62	10.40	1.01	14.5	-79.3	Clear, Small Black Particulates	No Odor
10:11	5	118	8.54	0.48	7.45	0.89	7.98	0.77	14.4	-78.0	Clear	No Odor
10:16	5	118	8.54	0.64	7.43	1.11	6.62	0.67	14.0	-78.3	Clear	No Odor
10:21	5	118	8.54	0.80	7.39	1.30	5.73	0.43	15.1	-80.6	Clear	No Odor
10:26	5	118	8.54	0.96	7.37	1.48	4.78	0.39	15.0	-83.8	Clear	No Odor
10:31	5	118	8.54	1.12	7.34	1.66	3.89	0.30	14.9	-86.7	Clear	No Odor
10:36	5	118	8.54	1.28	7.31	1.82	3.87	0.22	15.1	-90.7	Clear	No Odor
10:41	5	118	8.54	1.44	7.29	1.97	3.07	0.22	14.8	-92.6	Clear	No Odor
10:46	5	118	8.54	1.60	7.27	2.14	2.49	0.22	14.9	-91.7	Clear	No Odor
10:51	5	118	8.54	1.76	7.25	2.27	2.75	0.00	15.0	-90.6	Clear	No Odor
10:56	5	118	8.54	1.92	7.24	2.36	2.64	0.15	15.0	-89.0	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:	Close to gate across from door 23a	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	11-5-20
Project Name/Location	Ford LTP		Weather		57 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	8.22	Total Depth (ft-bmp)	18.90	Water Column (ft.)	10.68	Gallons in Well	1.74
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.16				
Sample Time:	Label	11:32	Volume Purged	2.01 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:58					Christina Weaver
	Purge End	11:36					

Chris

[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-52		Date	11-14-20	
Project Name/Location	Ford LTP		Weather	37 degrees F. Mostly Clear		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Gallons in Well	1.75	
Static Water Level (ft-bmp)	8.95	Total Depth (ft-bmp)	19.75	Water Column (ft.)	10.80	Sample Method	Grab	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.80					
Sample Time:	Label	12:57	Volume Purged	1.4 gallons	Replicate/Code No.	--	Sampled by	Julia McClafferty
	Purge Start	12:19						
	Purge End	13:00						

Julia McClafferty

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	150	9.04	0.00	7.93	8.34	5.02	0.35	16.5	-174.9	Clear	No Odor
12:25	5	150	9.01	0.20	7.51	8.88	7.31	0.12	16.7	-174.9	Clear	No Odor
12:30	5	150	9.02	0.40	7.44	8.94	6.74	0.08	16.8	-163.8	Clear	No Odor
12:35	5	150	9.02	0.60	7.41	9.00	7.79	0.07	16.9	-158.5	Clear	No Odor
12:40	5	150	9.02	0.80	7.39	9.04	8.28	0.07	17.0	-154.1	Clear	No Odor
12:45	5	150	9.02	1.00	7.38	9.07	4.19	0.04	16.9	-151.6	Clear	No Odor
12:50	5	150	9.02	1.20	7.38	9.06	4.51	0.04	16.9	-149.4	Clear	No Odor
12:55	5	150	9.02	1.40	7.37	9.05	3.39	0.03	16.9	-148.1	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:	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-53			Date	11-4-20
Project Name/Location	Ford LTP		Weather		60 degrees F. Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	8.72	Total Depth (ft-bmp)	20.79	Water Column (ft.)	12.07	Gallons in Well	1.96
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.49				
Sample Time:	Label	Volume Purged	0.96 gallons	Replicate/Code No.	MW-53-MS_110420, MW-53-MSD_110420	Sampled by	Xenia Chan
	Purge Start	13:31					
	Purge End	14:15					

Aub

[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:	On-site, 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	11-5-20
Project Name/Location	Ford LTP		Weather		52 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	8.52	Total Depth (ft-bmp)	20.53	Water Column (ft.)	12.01	Gallons in Well	1.95
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.66				
Sample Time:	Label	9:55	Volume Purged	1.28 gallons	Replicate/Code No.		Sampled by
	Purge Start	9:08			--		Xenia Chan
	Purge End	9:56					

Aub

[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

Well Information

Well Location:	On-site, 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	11-5-20		
Project Name/Location		Ford LTP	Weather		56 degrees F. Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2.0	PVC		
Static Water Level (ft-bmp)	7.75	Total Depth (ft-bmp)	9.25	Water Column (ft.)	1.50	Gallons in Well	0.24	
		Pump Intake (ft-bmp)	9.25	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.00					
Sample Time:	Label	10:56	Volume Purged	0 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	10:12						
	Purge End	10:57						

Aub

[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 ran dry after 5-10 minutes of purging. Shut off pump, collect sample after 10 minutes of recharge.

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:	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-55			Date	11-6-20
Project Name/Location	Ford LTP		Weather		51 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	9.22	Total Depth (ft-bmp)	19.72	Water Column (ft.)	10.50	Gallons in Well	1.71
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.75				
Sample Time:	Label	Volume Purged	1.28 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	9:53					
	Purge End	10:43					

Aub

[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

1 broken thread tab

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:	On-site, N of property	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-55D			Date	11-6-20
Project Name/Location	Ford LTP		Weather		47 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	19-24	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	9.30	Total Depth (ft-bmp)	23.67	Water Column (ft.)	14.37	Gallons in Well	2.33
		Pump Intake (ft-bmp)	21.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.55				
Sample Time:	Label	Volume Purged	1.28 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	8:51					
	Purge End	9:42					

Aub

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
				6" = 1.47

Well Information			
Well Location:	On-site, 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-56	Date	11-6-20			
Project Name/Location	Ford LTP			Weather	56 degrees F, Partly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	8.41	Total Depth (ft-bmp)	20.33	Water Column (ft.)	11.92			
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.66	Gallons in Well	1.94			
				Sample Method	Grab			
Sample Time:	Label	12:10	Volume Purged	1.28 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	11:23						
	Purge End	12:13						

Xenia

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
11:24	0	120	8.65	0.00	7.17	27.36	7.70	1.42	17.1	-140.1	Clear	No Odor
11:29	5	120	8.65	0.16	6.93	29.35	11.20	0.58	17.0	-127.0	Clear	No Odor
11:34	5	120	8.50	0.32	6.91	28.74	11.50	0.40	17.0	-124.5	Clear	No Odor
11:39	5	120	8.50	0.48	6.91	28.28	8.95	0.31	17.1	-123.8	Clear	No Odor
11:44	5	120	8.50	0.64	6.91	28.15	7.70	0.23	17.1	-123.5	Clear	No Odor
11:49	5	120	8.50	0.80	6.92	27.98	5.48	0.20	17.1	-123.8	Clear	No Odor
11:54	5	120	8.50	0.96	6.92	27.76	4.45	0.17	17.1	-124.3	Clear	No Odor
11:59	5	120	8.50	1.12	6.93	27.73	4.75	0.14	17.1	-122.1	Clear	No Odor
12:04	5	120	8.50	1.28	6.93	27.80	4.86	0.12	17.1	-122.7	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
Well Information				
Well Location:	On-site, 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-57		Date	11-5-20	
Project Name/Location	Ford LTP		Weather	61 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	17-22	Casing Diameter (in.)	2.0	Well Material	PVC	
Static Water Level (ft-bmp)	8.18	Total Depth (ft-bmp)	21.66	Water Column (ft.)	13.48	Gallons in Well	2.19	
		Pump Intake (ft-bmp)	19.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.80					
Sample Time:	Label	14:08	Volume Purged	1.76 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	13:09						
	Purge End	14:12						

Xenia

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	118	8.65	0.00	9.94	6.37	14.80	3.46	17.8	-28.4	Clear, Small White Particulates	No Odor
13:15	5	118	8.77	0.16	8.63	7.13	9.97	1.00	17.8	-35.9	Clear	No Odor
13:20	5	118	8.86	0.32	8.20	7.36	7.64	0.51	17.8	-119.5	Clear	No Odor
13:25	5	118	8.94	0.48	8.03	7.43	5.45	0.30	17.7	-152.7	Clear	No Odor
13:30	5	118	9.00	0.64	7.92	7.53	4.87	0.24	17.7	-165.6	Clear	No Odor
13:35	5	118	9.02	0.80	7.84	7.63	3.19	0.20	17.7	-167.0	Clear	No Odor
13:40	5	118	8.98	0.96	7.73	7.93	4.76	0.24	17.8	-162.7	Clear	No Odor
13:45	5	118	9.15	1.12	7.79	7.95	4.68	0.17	17.7	-169.8	Clear	No Odor
13:50	5	118	9.13	1.28	7.70	8.19	3.60	0.16	17.8	-166.6	Clear	No Odor
13:55	5	118	9.01	1.44	7.64	8.26	3.49	0.18	17.9	-160.5	Clear	No Odor
14:00	5	118	9.00	1.60	7.59	8.39	3.73	0.13	17.9	-159.2	Clear	No Odor
14:05	5	118	9.10	1.76	7.56	8.47	3.48	0.17	17.9	-158.3	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	1 broken thread tab		

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:	On-site, NE of property	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-58	Date	11-6-20			
Project Name/Location	Ford LTP			Weather	66 degrees F, Mostly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	5.88	Total Depth (ft-bmp)	19.61	Water Column (ft.)	13.73			
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.86	Gallons in Well	2.23			
Sample Time:	Label	13:47	Volume Purged	1.92 gallons	Replicate/Code No.	MW-58-MS_110620, MW-58-MSD_110620	Sampled by	Xenia Chan
	Purge Start	12:39						
	Purge End	13:54						

Xenia

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	120	5.98	0.00	7.01	14.49	33.40	1.53	19.5	-112.3	Clear, Small Brown Particulates	No Odor
12:45	5	120	5.93	0.16	6.93	14.71	47.00	0.60	19.4	-115.1	Clear, Small Brown Particulates	No Odor
12:50	5	120	5.95	0.32	6.94	14.54	50.00	0.40	19.5	-119.0	Clear, Small Brown Particulates	No Odor
12:55	5	120	5.95	0.48	6.97	13.56	40.80	0.28	19.5	-120.7	Clear, Small Brown Particulates	No Odor
13:00	5	120	5.95	0.64	6.99	12.76	33.70	0.21	19.5	-124.2	Clear, Small Brown Particulates	No Odor
13:05	5	120	5.95	0.80	6.99	12.55	33.60	0.19	19.6	-125.2	Clear	No Odor
13:10	5	120	5.95	0.96	6.99	12.40	29.90	0.14	19.6	-126.7	Clear	No Odor
13:15	5	120	5.95	1.12	6.99	12.38	27.10	0.15	19.6	-124.2	Clear, Small Brown Particulates	No Odor
13:20	5	120	5.95	1.28	6.99	12.37	26.50	0.12	19.6	-123.7	Clear	No Odor
13:25	5	120	5.95	1.44	6.99	12.40	24.50	0.12	19.6	-123.0	Clear	No Odor
13:30	5	120	5.95	1.60	6.99	12.45	21.90	0.10	19.6	-126.0	Clear	No Odor
13:35	5	120	5.95	1.76	6.99	12.47	17.90	0.10	19.7	-124.3	Clear	No Odor
13:40	5	120	5.95	1.92	6.99	12.48	19.60	0.10	19.6	-126.7	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	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:	On-site, 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	



Project No.	30050315.401.01	Well ID	MW-62			Date	11-2-20
Project Name/Location	Ford LTP		Weather		30 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	9.51	Total Depth (ft-bmp)	21.17	Water Column (ft.)	11.66	Gallons in Well	1.89
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.51				
Sample Time:	Label	9:26	Volume Purged	0.96 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	8:50					Xenia Chan
	Purge End	9:29					

Ahr

[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:	In front of door 23B	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-63			Date	11-2-20
Project Name/Location	Ford LTP		Weather		40 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	8.50	Total Depth (ft-bmp)	11.80	Water Column (ft.)	3.30	Gallons in Well	0.54
		Pump Intake (ft-bmp)	9.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	2.37				
Sample Time:	Label	Volume Purged	1.28 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	11:59					
	Purge End	12:48					

Aub

[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:	Near tanks	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



Cher

[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

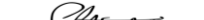
Well Casing Volumes				
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65

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-65			Date	11-2-20
Project Name/Location	Ford LTP		Weather		37 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-21	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	9.92	Total Depth (ft-bmp)	21.10	Water Column (ft.)	11.18	Gallons in Well	1.82
		Pump Intake (ft-bmp)	18.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.79				
Sample Time:	Label	11:55	Volume Purged	1.44 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:20					Christina Weaver
	Purge End	12:00					

[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

Added 1 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:	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



Cher

[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-67	Date	11-2-20			
Project Name/Location	Ford LTP			Weather	43 degrees F, Mostly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-14	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	9.81	Total Depth (ft-bmp)	14.02	Water Column (ft.)	4.21			
		Pump Intake (ft-bmp)	11.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.68					
Sample Time:	Label	14:05	Volume Purged	1.14 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	13:17						
	Purge End	14:06						

Xenia

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	118	9.84	0.00	6.37	5.34	11.00	1.24	17.0	0.9	Clear	No Odor
13:25	5	118	9.83	0.16	6.80	5.47	6.41	0.00	17.4	-11.0	Clear	No Odor
13:30	5	118	9.83	0.32	6.79	5.52	5.80	0.22	17.0	0.1	Clear	No Odor
13:35	5	118	9.83	0.48	6.79	5.54	4.02	0.48	17.2	7.7	Clear	No Odor
13:40	5	118	9.83	0.64	6.78	5.55	3.89	0.00	17.1	8.1	Clear	No Odor
13:45	5	118	9.84	0.80	6.78	5.55	4.31	0.39	17.2	6.6	Clear	No Odor
13:50	5	118	9.83	0.82	6.78	5.57	3.54	0.00	17.2	-2.5	Clear	No Odor
13:55	5	118	9.83	0.98	6.77	5.56	3.04	0.00	17.3	-6.1	Clear	No Odor
14:00	5	118	9.83	1.14	6.78	5.58	2.50	0.35	17.2	-6.2	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	1 broken thread tab		

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:	Between row b and c of parking lot	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-68			Date	11-3-20
Project Name/Location	Ford LTP		Weather		38 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	9.63	Total Depth (ft-bmp)	19.82	Water Column (ft.)	10.19	Gallons in Well	1.66
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.58				
Sample Time:	Label	10:03	Volume Purged	0.96 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:27					Xenia Chan
	Purge End	10:05					

Aub

[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

Broken thread tabs. Could not replace missing bolt

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:	Near parking lot gate	Well Locked at Arrival:	n/a
Condition of Well:	Broken thread tabs,Fair,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-69			Date	11-10-20
Project Name/Location	Ford LTP		Weather		64 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	9.75	Total Depth (ft-bmp)	19.90	Water Column (ft.)	10.15	Gallons in Well	1.65
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.20				
Sample Time:	Label	10:05	Volume Purged	1.98 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:30					Christina Weaver
	Purge End	10:10					

[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

Tabs on inside of vault broken. Lid sits flush.

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:	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-70		Date	11-4-20		
Project Name/Location	Ford LTP		Weather		46 degrees F. Clear			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	PVC		
Static Water Level (ft-bmp)	11.51	Total Depth (ft-bmp)	21.10	Water Column (ft.)	9.59	Gallons in Well	1.56	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.72					
Sample Time:	Label	9:53	Volume Purged	1.12 gallons	Replicate/Code No.	DUP-04	Sampled by	Xenia Chan
	Purge Start	9:10						
	Purge End	9:56						

Aub

[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

Broken thread tabs and missing bolt

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:	On-site, S of property	Well Locked at Arrival:	n/a
Condition of Well:	Broken thread tabs,Fair,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-71		Date	11-4-20	
Project Name/Location	Ford LTP		Weather	60 degrees F. Clear		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Gallons in Well	1.31	
Static Water Level (ft-bmp)	12.10	Total Depth (ft-bmp)	20.16	Water Column (ft.)	8.06	Sample Method	Grab	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.98					
Sample Time:	Label	13:01	Volume Purged	1.28 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	12:12						
	Purge End	13:06						

Xenia

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	118	12.30	0.00	6.94	14.83	17.00	2.31	19.2	-114.2	Clear	No Odor
12:20	5	118	12.30	0.16	6.89	15.54	14.60	0.73	19.2	-112.9	Clear	No Odor
12:25	5	118	12.30	0.32	6.89	15.56	11.20	0.00	19.2	-114.2	Clear	No Odor
12:30	5	118	12.30	0.48	6.90	15.58	8.76	0.00	19.1	-115.4	Clear	No Odor
12:35	5	118	12.30	0.64	6.90	15.61	8.92	0.23	19.1	-116.8	Clear	No Odor
12:40	5	118	12.30	0.80	6.90	15.66	8.37	0.00	19.1	-117.6	Clear	No Odor
12:45	5	118	12.30	0.96	6.90	15.66	6.33	0.00	19.1	-118.7	Clear	No Odor
12:50	5	118	12.30	1.12	6.90	15.70	6.36	0.17	19.2	-118.0	Clear	No Odor
12:55	5	118	12.30	1.28	6.90	15.72	6.41	0.15	19.2	-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
Well Information				
Well Location:	On-site, S 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	11-12-20
Project Name/Location	Ford LTP		Weather		36 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2.0	Well Material	
Static Water Level (ft-bmp)	5.19	Total Depth (ft-bmp)	9.56	Water Column (ft.)	4.37	Gallons in Well	
		Pump Intake (ft-bmp)	7.50	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	1.10			Grab	
Sample Time:	Label	10:46	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:10					Xenia Chan
	Purge End	10:48					

Aub

[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:	On-site, northeast 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-120			Date	11-14-20
Project Name/Location	Ford LTP		Weather		37 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	6.71	Total Depth (ft-bmp)	11.74	Water Column (ft.)	5.03	Gallons in Well	0.82
		Pump Intake (ft-bmp)	9.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	2.22				
Sample Time:	Label	14:19	Volume Purged	1.82 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:26					Julia McClafferty
	Purge End	14:22					

[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

1 bolt broken off in tab; replaced one missing bolt

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:	Onsite; 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-122		Date	11-5-20	
Project Name/Location	Ford LTP		Weather	57 degrees F, Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	16-20	Casing Diameter (in.)	2.0	Gallons in Well	1.79	
Static Water Level (ft-bmp)	9.91	Total Depth (ft-bmp)	20.90	Water Column (ft.)	10.99	Sample Method	Grab	
		Pump Intake (ft-bmp)	18.00	Purge Method	Low-Flow			
		Well Volumes Purged	0.91					
Sample Time:	Label	12:23	Volume Purged	1.63 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	11:26						
	Purge End	12:24						

Xenia

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
11:27	0	118	10.11	0.00	7.06	4.06	3.89	2.02	17.7	-113.9	Clear	No Odor
11:32	5	118	10.11	0.16	7.04	4.55	8.18	0.39	17.8	-125.6	Clear	No Odor
11:37	5	118	10.11	0.32	7.07	4.61	10.30	0.20	17.7	-127.3	Clear	No Odor
11:42	5	118	10.11	0.48	7.06	4.83	7.20	0.13	17.7	-130.0	Clear	No Odor
11:47	5	118	10.11	0.64	7.05	5.04	5.84	0.10	17.6	-131.7	Clear	No Odor
11:53	6	118	10.11	0.83	7.05	5.25	5.17	0.07	17.7	-132.6	Clear	No Odor
11:58	5	118	10.11	0.99	7.05	5.43	4.22	0.06	17.7	-133.5	Clear	No Odor
12:03	5	118	10.11	1.15	7.05	5.57	3.88	0.06	17.7	-134.2	Clear	No Odor
12:08	5	118	10.11	1.31	7.05	5.69	3.79	0.07	17.6	-134.3	Clear	No Odor
12:13	5	118	10.11	1.47	7.05	5.75	3.12	0.08	17.6	-134.2	Clear	No Odor
12:18	5	118	10.11	1.63	7.06	5.80	3.50	0.07	17.7	-134.4	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:	On-site, 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	11-17-20	
Project Name/Location	Ford LTP		Weather	32 degrees F, Light Snow				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2.0	Well Material	PVC	
Static Water Level (ft-bmp)	2.10	Total Depth (ft-bmp)	9.60	Water Column (ft.)	7.50	Gallons in Well	1.22	
		Pump Intake (ft-bmp)	7.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.28					
Sample Time:	Label	10:48	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	9:42						
	Purge End	10:52						

Xenia

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
9:43	0	100	2.10	0.00	7.49	1.24	556.00	8.03	12.3	40.9	Cloudy, Orange	No Odor
9:48	5	100	2.10	0.13	7.08	1.10	447.00	8.12	12.0	57.5	Cloudy, Orange	No Odor
9:53	5	100	2.10	0.26	7.02	1.02	495.00	5.14	12.4	69.8	Cloudy, Orange	No Odor
9:58	5	100	2.10	0.39	7.01	1.01	447.00	7.38	12.1	79.7	Cloudy, Orange	No Odor
10:03	5	100	2.10	0.52	7.00	1.01	385.00	7.42	12.2	86.9	Cloudy, Orange	No Odor
10:08	5	100	2.10	0.65	6.99	1.00	298.00	7.42	12.5	64.4	Cloudy, Orange	No Odor
10:13	5	100	2.10	0.78	6.99	1.00	266.00	6.92	12.5	57.3	Cloudy, Orange	No Odor
10:18	5	100	2.10	0.91	6.99	1.00	221.00	6.70	12.6	54.0	Cloudy, Orange	No Odor
10:23	5	100	2.10	1.04	6.99	0.99	221.00	6.34	12.7	51.6	Cloudy, Orange	No Odor
10:28	5	100	2.10	1.17	6.98	0.99	168.00	0.15	12.6	49.9	Cloudy, Orange	No Odor
10:33	5	100	2.10	1.30	6.98	0.99	150.00	0.12	12.5	48.9	Cloudy, Orange	No Odor
10:38	5	100	2.10	1.43	6.98	0.99	123.00	0.18	12.5	45.9	Cloudy, Orange	No Odor
10:43	5	100	2.10	1.56	6.98	0.99	119.00	0.15	12.3	44.4	Cloudy, Orange	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, 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-194			Date	11-13-20
Project Name/Location	Ford LTP		Weather		46 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2.0	Well Material	
Static Water Level (ft-bmp)	2.89	Total Depth (ft-bmp)	16.11	Water Column (ft.)	13.22	Gallons in Well	
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	0.36			Grab	
Sample Time:	Label	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	11:47				Xenia Chan	
	Purge End	12:25					

Ahr

[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, northwest 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



Project No.	30050315.401.01	Well ID	MW-194S		Date	11-13-20		
Project Name/Location	Ford LTP		Weather		43 degrees F. Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.7	Casing Diameter (in.)	2.0	PVC		
Static Water Level (ft-bmp)	3.11	Total Depth (ft-bmp)	6.51	Water Column (ft.)	3.40	Gallons in Well	0.55	
		Pump Intake (ft-bmp)	4.61	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.42					
Sample Time:	Label	11:33	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	10:56						
	Purge End	11:35						

Ahr

[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:	On-site northwest 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	11-16-20
Project Name/Location		Ford LTP	Weather		37 degrees F. Cloudy	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.7	Casing Diameter (in.)	2.0	PVC
Static Water Level (ft-bmp)	2.40	Total Depth (ft-bmp)	6.08	Water Column (ft.)	3.68	Gallons in Well
		Pump Intake (ft-bmp)	3.90	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	1.52			Grab
Sample Time:	Label	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:38				Xenia Chan
	Purge End	10:20				

Aub

[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, 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	11-16-20	
Project Name/Location	Ford LTP		Weather	37 degrees F, Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2.0	Gallons in Well	2.33	
Static Water Level (ft-bmp)	2.81	Total Depth (ft-bmp)	17.12	Water Column (ft.)	14.31	Sample Method	Grab	
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.50					
Sample Time:	Label	11:39	Volume Purged	1.17 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	10:49						
	Purge End	11:41						

Xenia

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	100	2.83	0.00	7.52	2.81	12.30	3.08	14.6	90.9	Clear, Small Orange Particulates	No Odor
10:55	5	100	2.83	0.13	7.12	2.77	12.90	0.98	14.3	87.7	Clear, Small Orange Particulates	No Odor
11:00	5	100	2.83	0.26	7.08	2.76	15.80	0.00	14.7	83.4	Clear, Small Orange Particulates	No Odor
11:05	5	100	2.83	0.39	7.08	2.75	8.96	0.00	14.8	76.8	Clear	No Odor
11:10	5	100	2.83	0.52	7.06	2.76	7.34	1.06	14.8	71.0	Clear	No Odor
11:15	5	100	2.83	0.65	7.05	2.76	6.18	0.78	14.9	67.5	Clear	No Odor
11:20	5	100	2.83	0.78	7.04	2.75	6.43	0.10	14.9	64.3	Clear	No Odor
11:25	5	100	2.83	0.91	7.04	2.75	4.92	0.23	15.0	61.6	Clear	No Odor
11:30	5	100	2.83	1.04	7.03	2.74	4.24	0.40	15.0	59.5	Clear	No Odor
11:35	5	100	2.83	1.17	7.03	2.73	3.97	0.00	15.0	58.0	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 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	Container 40 mL Glass	Number 3	Preservative HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments None			

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:	Onsite, 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	11-16-20	
Project Name/Location	Ford LTP		Weather	37 degrees F, Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2.0	Gallons in Well	0.58	
Static Water Level (ft-bmp)	2.98	Total Depth (ft-bmp)	6.54	Water Column (ft.)	3.56	Sample Method	Grab	
		Pump Intake (ft-bmp)	4.48	Purge Method	Low-Flow			
		Well Volumes Purged	2.69					
Sample Time:	Label	12:56	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	11:52						
	Purge End	13:01						

Xenia

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
11:53	0	100	3.08	0.00	7.35	3.64	31.70	1.57	14.2	98.3	Clear, Small Orange Particulates	No Odor
11:58	5	100	3.08	0.13	7.15	3.70	39.80	1.15	14.0	88.9	Clear, Small Orange Particulates	No Odor
12:03	5	100	3.08	0.26	7.13	3.71	22.20	0.93	14.0	74.7	Clear, Small Orange Particulates	No Odor
12:08	5	100	3.08	0.39	7.11	3.72	18.00	0.81	14.1	66.5	Clear	No Odor
12:13	5	100	3.03	0.52	7.10	3.72	13.70	0.64	13.9	63.1	Clear	No Odor
12:18	5	100	3.03	0.65	7.10	3.71	14.10	0.55	14.0	60.4	Clear	No Odor
12:23	5	100	3.03	0.78	7.10	3.73	11.60	0.55	13.6	60.5	Clear	No Odor
12:28	5	100	3.03	0.91	7.09	3.73	10.80	0.36	13.9	58.8	Clear	No Odor
12:33	5	100	3.03	1.04	7.08	3.74	9.83	0.32	13.8	56.8	Clear	No Odor
12:38	5	100	3.03	1.17	7.07	3.73	8.03	0.31	13.9	56.7	Clear	No Odor
12:43	5	100	3.03	1.30	7.08	3.75	8.68	0.30	13.7	57.4	Clear	No Odor
12:48	5	100	3.03	1.43	7.07	3.74	7.00	0.42	13.7	55.6	Clear	No Odor
12:53	5	100	3.03	1.56	7.06	3.76	6.19	0.25	13.7	56.7	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
Well Information				
Well Location:	Onsite, 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.	30050315401.01	Well ID	MW-197S			Date	11-18-20
Project Name/Location	Ford LTP		Weather		28 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	5.74	Total Depth (ft-bmp)	7.40	Water Column (ft.)	1.66	Gallons in Well	0.27
		Pump Intake (ft-bmp)	7.24	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	4.33				
Sample Time:	Label	Volume Purged	1.17 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	9:32					
	Purge End	10:26					

Aub

[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

Well Information

Well Location:	Onsite, northwest 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	11-17-20
Project Name/Location	Ford LTP		Weather		33 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	5.02	Total Depth (ft-bmp)	16.49	Water Column (ft.)	11.47	Gallons in Well	1.86
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.42				
Sample Time:	Label	11:59	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:17					Xenia Chan
	Purge End	12:01					

Ahr

[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, northwest 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-198S	Date	11-17-20			
Project Name/Location	Ford LTP			Weather	34 degrees F, Mostly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	5.03	Total Depth (ft-bmp)	7.12	Water Column (ft.)	2.09			
		Pump Intake (ft-bmp)	6.53	Purge Method	Low-Flow			
		Well Volumes Purged	4.59					
Sample Time:	Label	13:16	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	12:12						
	Purge End	13:19						

Xenia

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
12:13	0	100	5.03	0.00	7.15	4.17	50.70	1.98	13.7	126.7	Clear, Small Orange Particulates	No Odor
12:18	5	100	5.04	0.13	7.07	4.30	63.40	1.08	13.6	116.8	Clear, Small Orange Particulates	No Odor
12:23	5	100	5.04	0.26	7.03	4.32	36.20	0.90	13.5	-1.8	Clear, Small Orange Particulates	No Odor
12:28	5	100	5.07	0.39	7.02	4.31	18.70	0.76	13.9	-20.2	Clear, Small Orange Particulates	No Odor
12:33	5	100	5.07	0.52	7.01	4.35	17.10	0.66	14.0	-26.1	Clear, Small Orange Particulates	No Odor
12:38	5	100	5.09	0.65	7.01	4.35	11.70	0.65	14.3	-18.0	Clear, Small Orange Particulates	No Odor
12:43	5	100	5.09	0.78	7.00	4.41	10.40	0.69	14.0	-27.6	Clear	No Odor
12:48	5	100	5.09	0.91	7.01	4.47	10.40	0.63	13.9	-22.3	Clear	No Odor
12:53	5	100	5.09	1.04	7.01	4.49	6.08	0.62	13.9	-13.8	Clear	No Odor
12:58	5	100	5.09	1.17	7.01	4.50	5.41	0.65	14.0	-9.1	Clear	No Odor
13:03	5	100	5.09	1.30	7.00	4.50	4.80	0.57	14.3	-3.3	Clear	No Odor
13:08	5	100	5.09	1.43	7.01	4.52	3.50	0.68	13.9	-1.0	Clear	No Odor
13:13	5	100	5.09	1.56	7.01	4.50	3.32	0.65	14.0	0.5	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:	Onsite, 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	



Aub

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

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, 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

Page 1 of 1

Project No.	30050315.401.01	Well ID	MW-200			Date	11-19-20
Project Name/Location	Ford LTP		Weather		41 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Well Material	
Static Water Level (ft-bmp)	6.46	Total Depth (ft-bmp)	18.62	Water Column (ft.)	12.16	Gallons in Well	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	0.46			Grab	
Sample Time:	Label	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	8:33				Xenia Chan	
	Purge End	9:16					

Aub

[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, 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

Page 1 of 1

Project No.	30050315.401.01	Well ID	MW-200S			Date	11-19-20
Project Name/Location	Ford LTP		Weather		48 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	6.45	Total Depth (ft-bmp)	9.59	Water Column (ft.)	3.14	Gallons in Well	0.51
		Pump Intake (ft-bmp)	7.95	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.53				
Sample Time:	Label	10:05	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:30					Xenia Chan
	Purge End	10:08					

Aub

[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, 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

Page 1 of 1

Project No.	30050315.401.01	Well ID	MW-201			Date	11-19-20
Project Name/Location	Ford LTP		Weather		53 degrees F. Mostly Cloudy and Windy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	17-22	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	4.78	Total Depth (ft-bmp)	21.49	Water Column (ft.)	16.71	Gallons in Well	2.72
		Pump Intake (ft-bmp)	19.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.29				
Sample Time:	Label	12:13	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:35					Xenia Chan
	Purge End	12:16					

Ahr

[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, 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

Page 1 of 1

Project No.	30050315.401.01	Well ID	MW-201S		Date	11-19-20
Project Name/Location	Ford LTP		Weather		50 degrees F. Mostly Cloudy	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3.5-8.5	Casing Diameter (in.)	2.0	PVC
Static Water Level (ft-bmp)	5.25	Total Depth (ft-bmp)	8.12	Water Column (ft.)	2.87	Gallons in Well
		Pump Intake (ft-bmp)	6.75	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	1.94			Grab
Sample Time:	Label	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:36				Xenia Chan
	Purge End	11:19				

Aub

[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, southwest 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	11-14-20
Project Name/Location	Ford LTP			Weather	29 degrees F, Sunny, Slight Breeze
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-14	Casing Diameter (in.)	2.0
Static Water Level (ft-bmp)	10.94	Total Depth (ft-bmp)	13.60	Water Column (ft.)	2.66
		Pump Intake (ft-bmp)	12.44	Purge Method	Low-Flow
		Well Volumes Purged	3.63		
Sample Time:	Label	12:41	Volume Purged	1.56 gallons	Replicate/Code No.
	Purge Start	11:38			MW-208S-MS_111420_
	Purge End	12:52			MW-208S-MSD_111420
					Sampled by
					Gary Schafer

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
11:40	0	100	10.95	0.00	7.30	1.65	91.20	0.43	16.2	-32.1	Turbid	No Odor
11:45	5	100	10.95	0.13	7.27	1.80	54.60	0.34	16.1	-30.8	Small Orange Particulates, Turbid	No Odor
11:50	5	100	10.95	0.26	7.22	1.91	66.70	0.51	16.0	-28.6	Small Orange Particulates, Turbid	No Odor
11:55	5	100	10.95	0.39	7.19	2.09	27.40	0.32	15.8	-26.1	Small Orange Particulates, Turbid	No Odor
12:00	5	100	10.95	0.52	7.15	2.25	18.50	0.31	15.6	-24.5	Clear, Small Orange Particulates	No Odor
12:05	5	100	10.95	0.65	7.15	2.35	14.90	0.29	15.6	-26.5	Clear	No Odor
12:10	5	100	10.95	0.78	7.16	2.40	12.50	0.31	15.4	-29.8	Clear	No Odor
12:15	5	100	10.95	0.91	7.17	2.43	11.50	0.32	15.4	-33.7	Clear	No Odor
12:20	5	100	10.95	1.04	7.17	2.52	10.40	0.29	15.6	-35.2	Clear	No Odor
12:25	5	100	10.95	1.17	7.18	2.55	8.94	0.24	15.7	-37.9	Clear	No Odor
12:30	5	100	10.95	1.30	7.19	2.57	8.64	0.21	15.7	-41.2	Clear	No Odor
12:35	5	100	10.95	1.43	7.20	2.55	6.73	0.26	15.7	-43.0	Clear	No Odor
12:40	5	100	10.95	1.56	7.20	2.58	5.70	0.21	15.9	-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	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; 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-209S	Date	11-14-20			
Project Name/Location	Ford LTP			Weather	26 degrees F, Fog/Mist			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	10.35	Total Depth (ft-bmp)	12.71	Water Column (ft.)	2.36			
		Pump Intake (ft-bmp)	11.85	Purge Method	Low-Flow			
		Well Volumes Purged	6.39					
Sample Time:	Label	8:58	Volume Purged	2.43 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	8:04						
	Purge End	9:04						

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
8:06	0	200	10.37	0.00	6.99	9.44	32.30	0.83	14.1	118.3	Clear, Small Orange Particulates	No Odor
8:11	5	180	10.37	0.26	7.03	9.48	11.30	0.52	14.9	76.8	Clear, Small Orange Particulates	No Odor
8:16	5	180	10.37	0.51	7.05	9.07	2.22	0.37	15.1	27.9	Clear	No Odor
8:21	5	180	10.37	0.75	7.05	9.03	0.84	0.35	15.1	17.9	Clear	No Odor
8:26	5	180	10.37	0.99	7.06	8.89	0.02	0.28	15.3	-14.8	Clear	No Odor
8:31	5	180	10.37	1.23	7.08	8.84	0.02	0.24	15.3	-37.1	Clear	No Odor
8:36	5	180	10.37	1.47	7.10	8.77	0.02	0.22	15.3	-49.9	Clear	No Odor
8:41	5	180	10.37	1.71	7.12	8.95	0.02	0.25	14.7	-60.8	Clear	No Odor
8:46	5	180	10.37	1.95	7.13	8.91	0.02	0.22	15.4	-74.3	Clear	No Odor
8:51	5	180	10.37	2.19	7.14	8.87	0.02	0.20	15.2	-79.2	Clear	No Odor
8:56	5	180	10.37	2.43	7.15	8.89	0.02	0.19	15.4	-83.9	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	



Cher

[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

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	11-14-20	
Project Name/Location	Ford LTP		Weather	37 degrees F, Mostly Clear				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2.0	Well Material	PVC	
Static Water Level (ft-bmp)	9.32	Total Depth (ft-bmp)	11.85	Water Column (ft.)	2.53	Gallons in Well	0.41	
		Pump Intake (ft-bmp)	10.82	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	3.17					
Sample Time:	Label	12:57	Volume Purged	1.3 gallons	Replicate/Code No.	--	Sampled by	Kara Donahue
	Purge Start	12:00						
	Purge End	13:00						

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
12:05	0	100	9.33	0.00	7.28	10.66	2.96	1.46	16.5	-37.2	Clear	No Odor
12:10	5	100	9.34	0.13	7.27	11.09	2.22	0.39	16.5	-33.4	Clear	No Odor
12:15	5	100	9.34	0.26	7.27	11.39	0.02	4.97	16.2	-31.3	Clear	No Odor
12:20	5	100	9.34	0.39	7.25	11.73	0.02	4.97	16.4	-30.6	Clear	No Odor
12:25	5	100	9.34	0.52	7.24	11.83	0.02	3.99	16.6	-33.3	Clear	No Odor
12:30	5	100	9.34	0.65	7.24	11.95	0.02	4.32	16.7	-37.3	Clear	No Odor
12:35	5	100	9.34	0.78	7.23	11.99	0.02	3.89	16.7	-43.8	Clear	No Odor
12:40	5	100	9.34	0.91	7.23	12.14	0.02	4.27	16.5	-46.7	Clear	No Odor
12:45	5	100	9.34	1.04	7.23	12.21	0.02	3.74	16.4	-49.7	Clear	No Odor
12:50	5	100	9.34	1.17	7.23	12.22	0.02	3.39	16.5	-51.6	Clear	No Odor
12:55	5	100	9.34	1.30	7.23	12.35	0.02	3.66	16.5	-53.9	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:	On-site; 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	11-14-20
Project Name/Location	Ford LTP		Weather		40 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6.5-11.5	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	8.93	Total Depth (ft-bmp)	11.17	Water Column (ft.)	2.24	Gallons in Well	0.36
		Pump Intake (ft-bmp)	10.43	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	2.17				
Sample Time:	Label	15:33	Volume Purged	0.78 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:55					Kara Donahue
	Purge End	15:36					

[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:	On-site ; 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



Julian
J. J. J. J.

[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

Labeled well

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:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a



Aub

[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:	On-site, 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

Page 1 of 1

Project No.	30050315.401.01		Well ID	MW-219S		Date	11-18-20	
Project Name/Location	Ford LTP		Weather	28 degrees F, Mostly Clear		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2.0	Gallons in Well	0.54	
Static Water Level (ft-bmp)	8.07	Total Depth (ft-bmp)	11.37	Water Column (ft.)	3.30	Sample Method	Grab	
		Pump Intake (ft-bmp)	9.57	Purge Method	Low-Flow			
		Well Volumes Purged	2.89					
Sample Time:	Label	12:00	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	10:54						
	Purge End	12:02						

Xenia

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
10:56	0	100	8.12	0.00	7.28	15.59	128.00	2.83	13.2	118.5	Clear, Small Orange Particulates	No Odor
11:01	5	100	8.12	0.13	7.10	15.90	74.40	1.12	13.2	114.4	Clear, Small Orange Particulates	No Odor
11:06	5	100	8.12	0.26	7.06	15.86	49.70	1.05	13.3	104.3	Clear, Small Orange Particulates	No Odor
11:11	5	100	8.12	0.39	7.04	15.80	30.30	0.00	13.4	92.3	Clear	No Odor
11:16	5	100	8.12	0.52	7.01	15.81	18.60	0.79	13.6	80.6	Clear	No Odor
11:21	5	100	8.12	0.65	7.00	15.80	12.80	0.47	13.6	73.0	Clear	No Odor
11:26	5	100	8.12	0.78	6.98	15.75	10.80	0.80	13.7	67.0	Clear	No Odor
11:31	5	100	8.12	0.91	6.97	15.74	7.94	0.55	13.6	63.1	Clear	No Odor
11:36	5	100	8.12	1.04	6.96	15.65	7.25	0.59	13.6	60.4	Clear	No Odor
11:41	5	100	8.12	1.17	6.95	15.63	6.38	0.58	13.5	59.6	Clear	No Odor
11:46	5	100	8.12	1.30	6.95	15.60	5.38	0.00	13.3	58.9	Clear	No Odor
11:51	5	100	8.12	1.43	6.94	15.46	3.61	0.09	13.6	58.4	Clear	No Odor
11:56	5	100	8.12	1.56	6.94	15.48	4.93	0.45	13.5	57.6	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 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	Container 40 mL Glass	Number 3	Preservative HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments None			

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



Cher

[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

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-221S		Date	11-16-20	
Project Name/Location	Ford LTP		Weather	38 degrees F, Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6.5-11.5	Casing Diameter (in.)	2.0	Gallons in Well	0.73	
Static Water Level (ft-bmp)	6.50	Total Depth (ft-bmp)	10.99	Water Column (ft.)	4.49	Sample Method	Grab	
		Pump Intake (ft-bmp)	8.00	Purge Method	Low-Flow			
		Well Volumes Purged	4.27					
Sample Time:	Label	9:35	Volume Purged	3.12 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	8:31						
	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
8:34	0	200	6.55	0.00	7.83	15.13	12.40	5.87	15.4	136.1	Clear, Small Orange Particulates	No Odor
8:39	5	200	6.55	0.26	7.79	15.41	10.50	3.13	16.1	124.6	Clear, Small Orange Particulates	No Odor
8:44	5	200	6.55	0.52	7.80	15.44	0.02	3.03	16.2	114.7	Clear	No Odor
8:49	5	200	6.55	0.78	7.79	15.52	0.02	2.98	16.3	111.4	Clear	No Odor
8:54	5	200	6.55	1.04	7.75	15.59	0.02	2.88	16.2	92.2	Clear	No Odor
8:59	5	200	6.55	1.30	7.74	15.63	0.02	3.27	16.1	73.4	Clear	No Odor
9:04	5	200	6.55	1.56	7.73	15.62	0.02	3.52	16.0	53.1	Clear	No Odor
9:09	5	200	6.55	1.82	7.72	15.64	0.02	3.50	16.2	32.5	Clear	No Odor
9:14	5	200	6.55	2.08	7.72	15.65	0.02	3.50	16.0	17.3	Clear	No Odor
9:19	5	200	6.55	2.34	7.74	15.61	0.02	3.44	16.2	3.0	Clear	No Odor
9:24	5	200	6.55	2.60	7.74	15.61	0.02	3.36	16.3	-11.6	Clear	No Odor
9:29	5	200	6.55	2.86	7.75	15.64	0.02	2.84	16.3	-25.4	Clear	No Odor
9:34	5	200	6.55	3.12	7.75	15.61	0.02	2.91	16.3	-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 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	Container 40 mL Glass	Number 3	Preservative HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments	None		

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:	Onsite 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-222S		Date	11-12-20
Project Name/Location	Ford LTP		Weather		33 degrees F. Fog/Mist	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5.5-10.5	Casing Diameter (in.)	2.0	PVC
Static Water Level (ft-bmp)	6.57	Total Depth (ft-bmp)	9.45	Water Column (ft.)	2.88	Gallons in Well
		Pump Intake (ft-bmp)	8.07	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	3.23			Grab
Sample Time:	Label	8:52	Volume Purged	1.52 gallons	Replicate/Code No.	--
	Purge Start	8:18				
	Purge End	8:56				
						Christina Weaver

[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



Project No.	30050315.401.01	Well ID	MW-224S		Date	11-9-20
Project Name/Location	Ford LTP		Weather		60 degrees F. Sunny	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2.0	PVC
Static Water Level (ft-bmp)	9.11	Total Depth (ft-bmp)	11.52	Water Column (ft.)	2.41	Gallons in Well
		Pump Intake (ft-bmp)	10.61	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	3.69			Grab
Sample Time:	Label	9:22	Volume Purged	1.44 gallons	Replicate/Code No.	--
	Purge Start	8:48				
	Purge End	9:26				
						Christina Weaver

[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	PW-16-01			Date	11-9-20
Project Name/Location	Ford LTP		Weather		74 degrees F, Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9.7-19.7	Casing Diameter (in.)	6.0	Well Material	
Static Water Level (ft-bmp)	9.01	Total Depth (ft-bmp)	21.49	Water Column (ft.)	12.48	Gallons in Well	
		Pump Intake (ft-bmp)	14.70	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	0.11			Grab	
Sample Time:	Label	14:55	Volume Purged	1.98 gallons	Replicate/Code No.	Sampled by	
	Purge Start	14:20			--	Christina Weaver	
	Purge End	15:02					

[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

12" vault missing lid, vault cracked and rusted. Middle support bent. Need to give Fibertec advanced notice to order replacement vault

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:	Onsite East	Well Locked at Arrival:	n/a
Condition of Well:	Poor, 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	11-5-20		
Project Name/Location	Ford LTP	Weather	62 degrees F. Cloudy					
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	6.0	PVC		
Static Water Level (ft-bmp)	6.79	Total Depth (ft-bmp)	23.70	Water Column (ft.)	16.91	Gallons in Well	24.73	
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	0.08					
Sample Time:	Label	14:48	Volume Purged	1.98 gallons	Replicate/Code No.	--	Sampled by	Christina Weaver
	Purge Start	14:10						
	Purge End	14:54						

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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



Cher

[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



Cher

[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	TW-16-03		Date	11-5-20
Project Name/Location	Ford LTP		Weather		61 degrees F. Cloudy	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-19	Casing Diameter (in.)	6.0	PVC
Static Water Level (ft-bmp)	6.20	Total Depth (ft-bmp)	18.75	Water Column (ft.)	12.55	Gallons in Well
		Pump Intake (ft-bmp)	14.00	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	0.86			Grab
Sample Time:	Label	13:48	Volume Purged	1.76 gallons	Replicate/Code No.	--
	Purge Start	13:12				
	Purge End	13:57				
						Christina Weaver

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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



Cher

[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

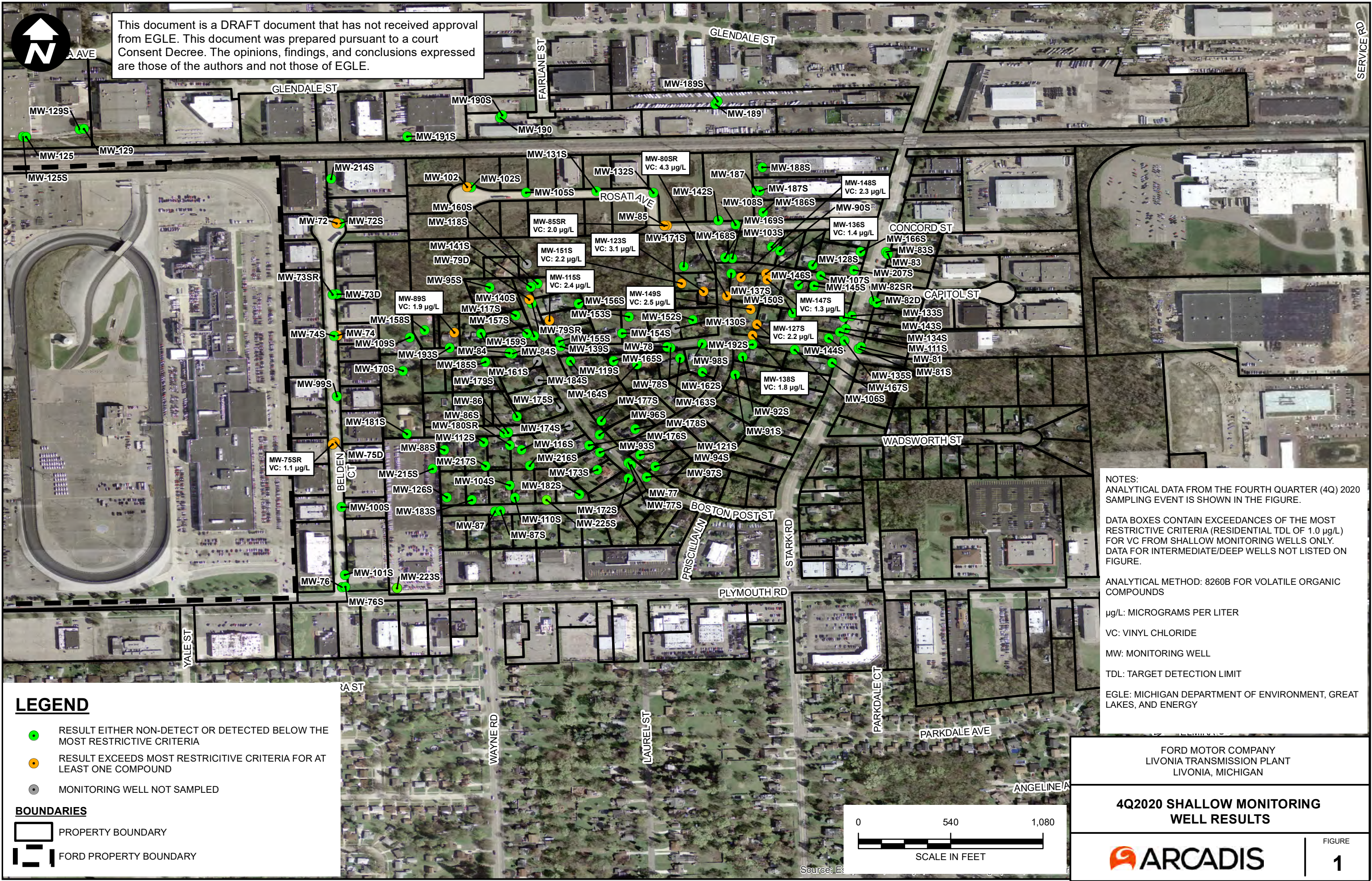
Well Location:	Onsite East	Well Locked at Arrival:	n/a
Condition of Well:	Good	Well Locked at Departure:	n/a
Well Completion:	Flush mount	Lock Functioning:	n/a

APPENDIX B

Off-Site Residential Monitoring Wells



CITY: Novi; DIV: ENV; DB: MG; PIC: R. ELLIS; PM: K. HINSKEY; PROJECT NUMBER: 30050315; COORDINATE SYSTEM: GCS North American 1983; T:\ENVI\Novi\Brighton_MH\FordLivonia\GIS\docs\GEC4Q_2020\Shallow_MW_4Q2020_Results.mxd; PLOTTED: 1/28/2021 10:21:04 AM; BY: P. SELVARAJ



Appendix B
Summary of Off-Site Groundwater Sampling Results -4Q2020
Ford Livonia Transmission Plant



Location: Date: Screen Interval (ft. bgs):				MW-72 11/17/2020 15-20	MW-72S 11/17/2020 3-13	MW-73D 11/17/2020 13.5-18.5	MW-73SR 11/17/2020 2.5-12.5	MW-74 11/16/2020 14-19	MW-74S 11/16/2020 3-13	MW-75D 11/13/2020 12-17	MW-75SR 11/13/2020 2.5-12.5	MW-76 11/12/2020 15-20	MW-76S 11/12/2020 4.5-14.5	MW-77 11/19/2020 9-14	MW-77S 11/19/2020 2.5-12.5	MW-78 11/11/2020 7-12	MW-78S 11/11/2020 2.5-12.5	MW-79D 11/11/2020 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	2.5	< 2.0	1.7 J	< 2.0	2.7	< 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	0.26 UB	0.33 UB	2.3 B	0.71 UB	1.2 UB	< 1.0	< 1.0	0.93 J	< 1.0	0.93 J	0.19 J	0.23 J	0.16 J	< 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	0.23 J	< 1.0	0.25 J	< 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	0.16 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.11 J
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	1.7	< 1.0	< 1.0	0.85 J	4.1	< 1.0	2.2 J	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3

Location: Date: Screen Interval (ft. bgs):				MW-79SR 11/11/2020 2.5-12.5	MW-80SR 11/6/2020 2.5-12.5	MW-81 11/3/2020 8-13	MW-81S 11/3/2020 2.5-12.5	MW-82D 11/3/2020 18-23	MW-82SR 11/3/2020 5-15	MW-83 11/4/2020 8-13	MW-83S 11/4/2020 3-13	MW-84 11/12/2020 8-13	MW-84S 11/12/2020 2.5-12.5	MW-85 11/11/2020 8-13	MW-85SR 11/11/2020 4.5-9.5	MW-86 11/5/2020 12-17	MW-86S 11/5/2020 2.5-12.5	MW-87 11/10/2020 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	0.11 J	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	0.44 J	4.3	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.4	2.0	< 1.0	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-87S 11/10/2020 4.5-14.5	MW-88S 11/3/2020 3-13	MW-89S 11/9/2020 3-13	MW-90S 11/10/2020 2.5-12.5	MW-91S 11/5/2020 2.5-12.5	MW-92S 11/5/2020 2.5-12.5	MW-93S 11/10/2020 2.5-12.5	MW-94S 11/9/2020 2.5-12.5	MW-95S 11/11/2020 2.5-12.5	MW-96S 11/13/2020 2.5-12.5	MW-97S 11/19/2020 2.5-12.5	MW-98S 11/13/2020 2.5-12.5	MW-99S 11/16/2020 3-13	MW-100S 11/16/2020 3-13	MW-101S 11/12/2020 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	0.96 J	< 1.0	< 1.0	< 1.0	< 1.0	0.21 J	0.22 J	< 1.0	0.47 J	0.25 J	0.91 UB	< 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	0.65 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

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
UJ analyte not detected above the reported sample quantitation limit, estimated result

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Appendix B
Summary of Off-Site Groundwater Sampling Results -4Q2020
Ford Livonia Transmission Plant



Location: Date: Screen Interval (ft. bgs):				MW-102 11/12/2020 10-15	MW-102S 11/12/2020 2.5-12.5	MW-103S 11/10/2020 2-7	MW-104S 11/9/2020 9-14	MW-105S 11/12/2020 2.5-12.5	MW-106S 11/12/2020 2.5-12.5	MW-107S 11/6/2020 2.5-12.5	MW-108S 11/11/2020 2.5-12.5	MW-109S 11/6/2020 2.5-12.5	MW-110S 11/9/2020 8-13	MW-111S 11/3/2020 8-13	MW-112S 11/3/2020 2.5-12.5	MW-115S 11/11/2020 2.5-12.5	MW-116S 11/4/2020 3-13	MW-117S 11/11/2020 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	0.88 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 UJ	< 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	0.26 J	1.0 UJ	< 1.0	< 1.0	< 1.0	< 1.0	0.18 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 UJ	< 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 UJ	< 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 UJ	< 1.0	< 1.0	< 1.0	< 1.0	0.30 J
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	1.2	< 1.0	0.32 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.44 J	1.0 UJ	< 1.0	< 1.0	2.4	< 1.0	0.62 J

Location: Date: Screen Interval (ft. bgs):				MW-118S 11/11/2020 2.5-12.5	MW-119S 11/11/2020 2.5-12.5	MW-121S 11/9/2020 2.5-12.5	MW-123S 11/5/2020 2.5-12.5	MW-125 11/10/2020 7-12	MW-125S 11/10/2020 2-7	MW-126S 11/9/2020 3-13	MW-127S 11/3/2020 3-13	MW-128S 11/19/2020 4-14	MW-129 11/6/2020 10-15	MW-129S 11/6/2020 2-7	MW-130S NS 3-13	MW-131S 11/12/2020 2.5-12.5	MW-132S 11/18/2020 2.5-12.5	MW-133S 11/4/2020 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	0.92 J	< 2.0	< 2.0	0.92 J	< 2.0	< 2.0	< 2.0	0.90 J	< 2.0	< 2.0	< 2.0	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 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	< 1.0	0.19 J	< 1.0	0.17 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	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	< 1.0	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	< 1.0	NS	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	< 1.0	< 1.0	< 1.0	< 1.0 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 1.0	< 1.0	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	0.65 J	< 1.0	< 1.0	3.1	< 1.0	< 1.0	< 1.0	2.2	< 1.0	< 1.0	< 1.0	NS	0.59 J	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-134S 11/4/2020 5-10	MW-135S 11/11/2020 5-10	MW-136S 11/6/2020 2-7	MW-137S 11/5/2020 2-7	MW-138S 11/12/2020 2-7	MW-139S 11/16/2020 2-7	MW-140S 11/16/2020 2-7	MW-141S 11/11/2020 3-8	MW-142S 11/11/2020 2.5-7.5	MW-143S 11/3/2020 5.5-10.5	MW-144S 11/3/2020 7-12	MW-145S 11/19/2020 6-11	MW-146S 11/19/2020 6-11	MW-147S 11/10/2020 2-7	MW-148S 11/10/2020 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 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	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.42 UB	0.38 UB	< 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	1.4	0.43 J	1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.46 J	1.3	2.3

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
UJ analyte not detected above the reported sample quantitation limit, estimated result

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Appendix B
Summary of Off-Site Groundwater Sampling Results -4Q2020
Ford Livonia Transmission Plant



Location: Date: Screen Interval (ft. bgs):				MW-149S 11/3/2020 2-7	MW-150S 11/3/2020 2-7	MW-151S 11/9/2020 2.5-7.5	MW-152S 11/3/2020 2.5-7.5	MW-153S 11/2/2020 2-7	MW-154S 11/2/2020 2-7	MW-155S 11/10/2020 2-7	MW-156S 11/10/2020 3-8	MW-157S 11/11/2020 2.5-7.5	MW-158S 11/6/2020 2.5-7.5	MW-159S 11/9/2020 4-9	MW-160S NS 4-9	MW-161S NS 2.5-7.5	MW-162S 11/5/2020 3-8	MW-163S 11/2/2020 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	0.88 J	< 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
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	NS	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	NS	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	NS	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	NS	NS	< 1.0	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	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	NS	NS	< 1.0	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	2.5	0.37 J	2.2	0.38 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	NS	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-164S 11/9/2020 3-8	MW-165S 11/10/2020 2-7	MW-166S 11/19/2020 6-11	MW-167S 11/5/2020 5-10	MW-168S 11/9/2020 2-7	MW-169S 11/9/2020 2-7	MW-170S 11/5/2020 4.5-9.5	MW-171S 11/9/2020 2-7	MW-172S 11/6/2020 4.5-9.5	MW-173S 11/6/2020 5.5-10.5	MW-174S NS 5.5-10.5	MW-175S NS 6-11	MW-176S 11/10/2020 5-10	MW-177S 11/16/2020 4-9	MW-178S 11/10/2020 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	0.13 J	< 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	0.25 J	0.32	< 1.0	0.52 J	< 1.0	< 1.0	NS	NS	< 1.0	< 1.0	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-179S 11/5/2020 6-11	MW-180SR 11/4/2020 6.5-11.5	MW-181S 11/3/2020 3.5-8.5	MW-182S 11/10/2020 4-9	MW-183S 11/9/2020 8-13	MW-184S NS 4.5-9.5	MW-185S 11/6/2020 6-11	MW-186S 11/23/2020 2.5-7.5	MW-187 11/23/2020 8-13	MW-187S 11/23/2020 3-8	MW-188S 11/23/2020 3-8	MW-189 11/19/2020 10-15	MW-189S 11/19/2020 4.5-9.5	MW-190 11/18/2020 9-14	MW-190S 11/18/2020 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	NS	< 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	NS	< 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	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.7	1.1
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	NS	< 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	NS	< 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	NS	< 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	NS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.28 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
UJ analyte not detected above the reported sample quantitation limit, estimated result

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Appendix B
Summary of Off-Site Groundwater Sampling Results -4Q2020
Ford Livonia Transmission Plant



Location: Date: Screen Interval (ft. bgs):				MW-191S 11/23/2020 2.5-7.5	MW-192S 11/13/2020 2.5-7.5	MW-193S 11/10/2020 3-8	MW-207S 11/19/2020 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 UJ
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	5.6	0.31 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	0.38 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 11/5/2020 5.5-10.5	MW-215S 11/19/2020 3-8	MW-216S 11/4/2020 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 UJ	< 1.0
SW-846 Method 8260B	cis-1,2-Dichloroethene	70	70	< 1.0	< 1.0 UJ	< 1.0
SW-846 Method 8260B	Tetrachloroethene	5.0	5.0	< 1.0	< 1.0 UJ	< 1.0
SW-846 Method 8260B	trans-1,2-Dichloroethene	100	100	< 1.0	< 1.0 UJ	< 1.0
SW-846 Method 8260B	Trichloroethene	1.0**	5.0	< 1.0	< 1.0 UJ	< 1.0
SW-846 Method 8260B	Vinyl chloride	1.0**	2.0	< 1.0	< 1.0 UJ	< 1.0

Location: Date: Screen Interval (ft. bgs):				MW-217S 11/3/2020 6-11	MW-223S 11/5/2020 8.5-13.5	MW-225S 11/10/2020 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
< 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
UJ analyte not detected above the reported sample quantitation limit, estimated result

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APPENDIX C

Off-Site Groundwater Field Sampling Logs





SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-88S	Date	11-3-20			
Project Name/Location	Ford LTP			Weather	49 degrees F, Partly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	8.01	Total Depth (ft-bmp)	12.60	Water Column (ft.)	4.59			
		Pump Intake (ft-bmp)	9.51	Purge Method	Low-Flow			
		Well Volumes Purged	2.48					
Sample Time:	Label	12:56	Volume Purged	1.86 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	11:53						
	Purge End	13:11						

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
11:55	0	120	8.02	0.00	8.78	0.19	7.20	0.22	15.2	105.7	Clear	No Odor
12:00	5	120	8.02	0.16	8.76	0.19	5.19	0.22	15.2	107.2	Clear	No Odor
12:05	5	120	8.02	0.32	8.82	0.19	3.11	0.20	15.1	107.6	Clear	No Odor
12:10	5	120	8.02	0.48	8.87	0.20	2.93	0.26	15.0	102.8	Clear	No Odor
12:15	5	120	8.02	0.64	8.83	0.19	2.57	0.30	15.3	104.1	Clear	No Odor
12:20	5	120	8.02	0.80	8.81	0.20	1.60	0.33	15.4	98.1	Clear	No Odor
12:25	5	110	8.02	0.96	8.79	0.20	1.75	0.41	15.4	81.8	Clear	No Odor
12:30	5	110	8.02	1.11	8.85	0.20	2.05	0.74	15.1	80.6	Clear	No Odor
12:35	5	110	8.02	1.26	8.83	0.21	2.63	0.79	15.1	78.1	Clear	No Odor
12:40	5	110	8.02	1.41	8.80	0.21	2.08	0.67	15.1	75.9	Clear	No Odor
12:45	5	110	8.02	1.56	8.78	0.22	2.06	0.65	15.1	75.0	Clear	No Odor
12:50	5	110	8.02	1.71	8.81	0.22	2.38	0.54	15.0	69.4	Clear	No Odor
12:55	5	110	8.02	1.86	8.77	0.22	2.01	0.58	15.2	64.1	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 Sand was up to cap, well plug and casing was buried, well cap was in place and tight

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:	34965 Wadsworth; side yard
Condition of Well:	Good
Well Completion:	Flush mount
Well Locked at Arrival:	yes
Well Locked at Departure:	yes
Lock Functioning:	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-89S		Date	11-9-20	
Project Name/Location	Ford LTP		Weather	50 partly sunny		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2	Gallons in Well	1.15	
Static Water Level (ft-bmp)	5.52	Total Depth (ft-bmp)	12.62	Water Column (ft.)	7.10	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.02	Purge Method	Low-Flow			
		Well Volumes Purged	1.64					
Sample Time:	Label	11:55	Volume Purged	1.89 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	10:54						
	Purge End	11:57						

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
10:55	0	175	5.50	0.00	7.98	0.63	0.02	2.65	14.1	220.5	Clear, Small Orange Particulates	No Odor
11:00	5	125	5.50	0.23	7.73	1.26	0.02	0.77	13.8	226.1	Clear, Small Orange Particulates	No Odor
11:05	5	125	5.50	0.40	7.59	1.70	0.02	0.59	13.8	226.8	Clear, Small Orange Particulates	No Odor
11:10	5	125	5.96	0.57	7.48	2.08	0.02	0.56	13.8	229.3	Clear	No Odor
11:15	5	125	5.54	0.74	7.40	2.52	0.02	0.52	13.8	198.2	Clear	No Odor
11:20	5	125	5.74	0.91	7.36	2.80	0.02	0.53	13.8	77.5	Clear	No Odor
11:25	5	150	5.71	1.08	7.34	3.02	0.02	0.55	13.9	22.2	Clear	No Odor
11:30	5	150	5.57	1.09	7.33	3.21	0.02	0.55	13.8	-12.9	Clear	No Odor
11:35	5	150	5.50	1.29	7.34	3.24	0.02	0.56	13.9	-22.9	Clear	No Odor
11:40	5	150	5.51	1.49	7.36	3.22	0.02	0.57	13.9	-33.0	Clear	No Odor
11:45	5	150	5.54	1.69	7.38	3.20	0.02	0.56	14.0	-39.9	Clear	No Odor
11:50	5	150	5.56	1.89	7.40	3.14	0.02	0.56	14.0	-43.0	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:	34940 Beacon, 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

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-90S		Date	11-10-20	
Project Name/Location	Ford LTP		Weather	72 degrees F, Partly Cloudy		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)	5.61	Total Depth (ft-bmp)	12.10	Water Column (ft.)	6.49	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.11	Purge Method	Low-Flow			
		Well Volumes Purged	2.00					
Sample Time:	Label	13:00	Volume Purged	2.1 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	12:17						
	Purge End	13:03						

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
12:20	0	250	6.10	0.00	6.86	2.02	17.60	0.79	16.1	27.9	Clear, Small Orange Particulates	No Odor
12:25	5	250	6.22	0.33	6.83	2.02	10.50	1.25	15.9	-30.3	Clear, Small Orange Particulates	No Odor
12:30	5	250	6.41	0.66	6.82	2.01	3.50	0.95	15.9	-50.0	Clear	No Odor
12:35	5	250	6.63	0.99	6.82	2.00	4.55	0.53	15.8	-75.5	Clear	No Odor
12:40	5	200	6.76	1.32	6.83	2.00	4.71	0.41	16.1	-90.4	Clear	No Odor
12:45	5	200	6.93	1.58	6.84	2.00	4.60	0.48	16.2	-98.9	Clear	No Odor
12:50	5	200	6.96	1.84	6.84	1.99	3.07	0.30	16.3	-99.7	Clear	No Odor
12:55	5	200	6.98	2.10	6.84	2.00	4.83	0.33	16.3	-98.9	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					
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:	34380 Capital; 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

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-91S	Date	11-5-20			
Project Name/Location	Ford LTP			Weather	57 degrees F. Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	6.20	Total Depth (ft-bmp)	11.95	Water Column (ft.)	5.75			
		Pump Intake (ft-bmp)	7.70	Purge Method	Low-Flow			
		Well Volumes Purged	2.58					
Sample Time:	Label	11:40	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	10:39						
	Purge End	11:44						

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	6.22	0.00	7.66	0.97	0.02	0.72	15.6	173.5	Clear	No Odor
10:45	5	150	6.22	0.20	7.39	0.91	4.27	0.89	15.6	109.1	Clear	No Odor
10:50	5	150	6.22	0.40	7.32	1.03	3.17	0.94	15.6	18.6	Clear	No Odor
10:55	5	150	6.22	0.60	7.30	1.13	1.75	0.99	15.6	-32.6	Clear	No Odor
11:00	5	150	6.22	0.80	7.29	1.19	0.72	0.82	15.6	-50.3	Clear	No Odor
11:05	5	150	6.22	1.00	7.29	1.24	0.71	0.79	15.6	-58.4	Clear	No Odor
11:10	5	150	6.22	1.20	7.30	1.27	0.29	1.82	15.7	-67.6	Clear	No Odor
11:15	5	150	6.22	1.40	7.29	1.29	0.67	0.68	15.6	-68.9	Clear	No Odor
11:20	5	150	6.22	1.60	7.29	1.31	0.02	0.56	15.6	-69.7	Clear	No Odor
11:25	5	150	6.22	1.80	7.30	1.33	0.02	0.52	15.6	-72.8	Clear	No Odor
11:30	5	150	6.22	2.00	7.30	1.33	0.02	0.69	15.7	-74.1	Clear	No Odor
11:35	5	150	6.22	2.20	7.30	1.35	0.02	0.42	15.6	-77.8	Clear	No Odor
11:40	5	150	6.22	2.40	7.30	1.36	0.18	0.53	15.7	-78.3	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:	Private property: 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	11-5-20			
Project Name/Location	Ford LTP			Weather	61 degrees F, Cloudy			
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)	12.10	Water Column (ft.)	5.80			
		Pump Intake (ft-bmp)	7.80	Purge Method	Low-Flow			
		Well Volumes Purged	3.04					
Sample Time:	Label	13:45	Volume Purged	2.86 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	12:44						
	Purge End	13:47						

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
12:45	0	200	6.35	0.00	7.98	0.62	0.02	1.55	18.0	165.0	Clear	No Odor
12:50	5	200	6.35	0.26	7.43	0.61	0.02	0.44	18.0	140.0	Clear	No Odor
12:55	5	200	6.35	0.52	7.38	0.61	0.02	0.36	18.0	125.5	Clear	No Odor
13:00	5	200	6.35	0.78	7.36	0.64	0.02	0.26	18.1	115.6	Clear	No Odor
13:05	5	200	6.35	1.04	7.34	0.77	0.02	0.22	18.1	87.7	Clear	No Odor
13:10	5	200	6.35	1.30	7.32	0.93	0.02	0.17	18.1	-11.1	Clear	No Odor
13:15	5	200	6.35	1.56	7.32	1.01	0.02	0.17	18.2	-41.0	Clear	No Odor
13:20	5	200	6.35	1.82	7.32	1.08	0.02	0.18	18.2	-55.5	Clear	No Odor
13:25	5	200	6.35	2.08	7.31	1.09	0.02	0.19	18.1	-61.7	Clear	No Odor
13:30	5	200	6.35	2.34	7.31	1.13	0.02	0.17	18.2	-67.7	Clear	No Odor
13:35	5	200	6.35	2.60	7.31	1.13	0.02	0.17	18.2	-67.7	Clear	No Odor
13:40	5	200	6.35	2.86	7.31	1.13	0.02	0.17	18.2	-69.4	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:	Private property: 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

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Project No.	30050315.402.01	Well ID	MW-93S	Date	11-10-20			
Project Name/Location	Ford LTP			Weather	64 degrees F, 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)	6.75	Total Depth (ft-bmp)	11.79	Water Column (ft.)	5.04			
		Pump Intake (ft-bmp)	8.25	Purge Method	Low-Flow			
		Well Volumes Purged	2.20					
Sample Time:	Label	11:11	Volume Purged	1.8 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	10:07						
	Purge End	11:18						

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
10:10	0	110	6.76	0.00	6.92	0.63	3.92	1.37	14.7	251.0	Clear	No Odor
10:15	5	110	6.76	0.15	7.04	0.64	5.15	0.50	14.6	228.7	Clear	No Odor
10:20	5	110	6.76	0.30	7.17	0.64	4.15	0.39	14.7	209.0	Clear	No Odor
10:25	5	110	6.76	0.45	7.32	0.65	2.54	0.41	14.8	176.1	Clear	No Odor
10:30	5	110	6.76	0.60	7.37	0.65	4.28	0.42	14.7	164.4	Clear	No Odor
10:35	5	110	6.76	0.75	7.42	0.66	2.41	0.34	14.8	149.0	Clear	No Odor
10:40	5	110	6.76	0.90	7.45	0.66	2.10	0.35	14.8	133.8	Clear	No Odor
10:45	5	110	6.76	1.05	7.48	0.65	2.47	0.42	14.9	122.4	Clear	No Odor
10:50	5	110	6.76	1.20	7.51	0.66	1.70	0.41	14.9	111.4	Clear	No Odor
10:55	5	110	6.78	1.35	7.54	0.66	1.52	0.36	15.0	100.0	Clear	No Odor
11:00	5	110	6.78	1.50	7.57	0.66	1.76	0.34	15.0	90.8	Clear	No Odor
11:05	5	110	6.78	1.65	7.57	0.66	1.36	0.32	15.0	81.9	Clear	No Odor
11:10	5	110	6.78	1.80	7.56	0.66	0.88	0.34	14.9	73.4	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: Bailed out around pvc casing before removing 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

Well Information		
Well Location:	11775 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-94S		Date	11-9-20	
Project Name/Location	Ford LTP		Weather	49 degrees F, Fog and Fog/Mist				
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)	7.12	Total Depth (ft-bmp)	12.22	Water Column (ft.)	5.10	Gallons in Well	0.83	
		Pump Intake (ft-bmp)	8.62	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.55					
Sample Time:	Label	10:15	Volume Purged	2.12 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	9:09						
	Purge End	10:18						

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
9:10	0	150	7.12	0.00	7.76	0.73	0.02	3.95	14.9	219.9	Clear	No Odor
9:15	5	150	7.12	0.20	7.58	0.83	0.02	2.47	15.0	234.0	Clear, Small Black Particulates	No Odor
9:20	5	150	7.12	0.40	7.57	0.85	0.02	2.43	15.0	239.7	Clear, Small Black Particulates	No Odor
9:25	5	100	7.22	0.60	7.56	0.85	0.02	2.21	15.0	241.2	Clear, Small Black Particulates	No Odor
9:30	5	150	7.12	0.73	7.54	0.87	0.02	1.79	15.1	242.2	Clear, Small Black Particulates	No Odor
9:35	5	125	7.12	0.93	7.53	0.87	0.02	1.47	15.1	242.4	Clear, Small Black Particulates	No Odor
9:40	5	125	7.12	1.10	7.52	0.88	0.02	1.30	15.1	242.5	Clear	No Odor
9:45	5	125	7.12	1.27	7.52	0.89	0.02	1.13	15.2	176.7	Clear	No Odor
9:50	5	125	7.12	1.44	7.51	0.90	0.02	0.99	15.3	192.5	Clear	No Odor
9:55	5	125	7.12	1.61	7.51	0.90	0.02	0.96	15.3	195.0	Clear	No Odor
10:00	5	125	7.12	1.78	7.51	0.90	0.02	0.89	15.4	192.7	Clear	No Odor
10:05	5	125	7.12	1.95	7.51	0.90	0.02	0.86	15.5	183.7	Clear	No Odor
10:10	5	125	7.12	2.12	7.51	0.91	0.02	0.77	15.5	170.6	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	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information				
Well Location:	11680 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-95S	Date	11-11-20			
Project Name/Location	Ford LTP			Weather	50 degrees F, 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)	5.36	Total Depth (ft-bmp)	12.01	Water Column (ft.)	6.65			
		Pump Intake (ft-bmp)	6.86	Purge Method	Low-Flow			
		Well Volumes Purged	2.89					
Sample Time:	Label	9:45	Volume Purged	3.12 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	8:41						
	Purge End	9:50						

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
8:45	0	200	5.40	0.00	6.46	1.02	1.25	1.10	13.3	28.9	Clear	No Odor
8:50	5	200	5.40	0.26	6.59	1.36	0.57	0.54	13.5	-36.0	Clear	No Odor
8:55	5	200	5.40	0.52	6.67	1.50	0.94	0.43	13.4	-46.3	Clear	No Odor
9:00	5	200	5.40	0.78	6.74	1.67	0.56	0.36	13.5	-52.5	Clear	No Odor
9:05	5	200	5.40	1.04	6.78	1.79	0.37	0.32	13.6	-58.3	Clear	No Odor
9:10	5	200	5.40	1.30	6.80	1.88	0.88	0.30	13.6	-60.1	Clear	No Odor
9:15	5	200	5.40	1.56	6.81	2.01	0.66	0.28	13.6	-61.8	Clear	No Odor
9:20	5	200	5.40	1.82	6.82	2.08	0.59	0.28	13.6	-62.3	Clear	No Odor
9:25	5	200	5.40	2.08	6.83	2.16	0.13	0.26	13.6	-63.4	Clear	No Odor
9:30	5	200	5.40	2.34	6.84	2.23	0.48	0.26	13.6	-64.7	Clear	No Odor
9:35	5	200	5.40	2.60	6.85	2.25	0.36	0.24	13.6	-64.9	Clear	No Odor
9:40	5	200	5.40	2.86	6.85	2.30	0.71	0.23	13.7	-66.1	Clear	No Odor
9:45	5	200	5.40	3.12	6.87	2.33	0.10	0.43	13.6	-65.9	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					
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:	12131 Boston Post; 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-103S			Date	11-10-20
Project Name/Location	Ford LTP		Weather		67 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	4.50	Total Depth (ft-bmp)	7.71	Water Column (ft.)	3.21	Gallons in Well	0.52
		Pump Intake (ft-bmp)	6.00	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.10				
Sample Time:	Label	11:35	Volume Purged	1.61 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:01					Emma Witherspoon
	Purge End	11:38					

[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-104S			Date	11-9-20
Project Name/Location	Ford LTP		Weather		74 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-14	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	11.68	Total Depth (ft-bmp)	14.19	Water Column (ft.)	2.51	Gallons in Well	0.41
		Pump Intake (ft-bmp)	13.18	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.07				
Sample Time:	Label	15:45	Volume Purged	1.26 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	15:10					Ellen Redner
	Purge End	15:50					

[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:	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	11-6-20			
Project Name/Location	Ford LTP			Weather	56 degrees F, Partly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	7.52	Total Depth (ft-bmp)	12.38	Water Column (ft.)	4.86			
		Pump Intake (ft-bmp)	9.02	Purge Method	Low-Flow			
		Well Volumes Purged	2.28					
Sample Time:	Label	11:46	Volume Purged	1.8 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	10:43						
	Purge End	11:52						

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
10:45	0	110	7.53	0.00	7.29	4.76	3.78	1.37	14.9	168.9	Clear	No Odor
10:50	5	110	7.54	0.15	7.48	4.87	2.86	0.41	15.1	145.6	Clear	No Odor
10:55	5	110	7.54	0.30	7.40	4.97	1.95	0.82	15.1	136.7	Clear	No Odor
11:00	5	110	7.54	0.45	7.32	5.04	1.50	0.42	15.0	133.6	Clear	No Odor
11:05	5	110	7.54	0.60	7.24	5.18	5.20	0.26	15.0	123.2	Clear	No Odor
11:10	5	110	7.54	0.75	7.21	5.24	1.93	0.35	15.2	109.5	Clear	No Odor
11:15	5	110	7.54	0.90	7.21	5.26	3.73	0.26	15.1	99.5	Clear	No Odor
11:20	5	110	7.54	1.05	7.22	5.24	1.76	0.23	15.1	85.2	Clear	No Odor
11:25	5	110	7.54	1.20	7.22	5.26	1.35	0.22	15.1	74.4	Clear	No Odor
11:30	5	110	7.54	1.35	7.22	5.26	4.26	0.25	15.2	60.4	Clear	No Odor
11:35	5	110	7.54	1.50	7.23	5.26	1.20	0.22	15.2	47.9	Clear	No Odor
11:40	5	110	7.54	1.65	7.24	5.27	1.49	0.21	15.2	33.5	Clear	No Odor
11:45	5	110	7.54	1.80	7.23	5.26	1.19	0.23	15.2	24.0	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					
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:	34990 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-110S			Date	11-9-20
Project Name/Location	Ford LTP		Weather		77 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	10.12	Total Depth (ft-bmp)	12.64	Water Column (ft.)	2.52	Gallons in Well	0.41
		Pump Intake (ft-bmp)	11.62	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.24				
Sample Time:	Label	16:45	Volume Purged	1.33 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	16:10					Ellen Redner
	Purge End	16:50					

[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	1 bolt 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:	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-111S			Date	11-3-20
Project Name/Location	Ford LTP		Weather		49 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	9.52	Total Depth (ft-bmp)	12.66	Water Column (ft.)	3.14	Gallons in Well	0.51
		Pump Intake (ft-bmp)	11.02	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	2.47				
Sample Time:	Label	13:10	Volume Purged	1.26 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:32					Allyson Hartz
	Purge End	13:14					

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
				6" = 1.47

Well Information	
Well Location:	12051 Stark, front yard
Condition of Well:	Good
Well Completion:	Flush mount

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-112S		Date	11-3-20
Project Name/Location	Ford LTP		Weather		58 degrees F. Clear	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	PVC
Static Water Level (ft-bmp)	8.48	Total Depth (ft-bmp)	12.64	Water Column (ft.)	4.16	Gallons in Well
		Pump Intake (ft-bmp)	9.98	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	1.65			Grab
Sample Time:	Label	Volume Purged	1.12 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	15:37				Gary Schafer
	Purge End	16:23				

[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	Had to remove some sand around casing to open plug

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:	Well Locked at Arrival:
34935 Wadsworth; side yard	yes
Condition of Well:	Well Locked at Departure:
Good	yes
Well Completion:	Lock Functioning:
Flush mount	n/a



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-115S		Date	11-11-20	
Project Name/Location	Ford LTP		Weather	48 degrees F, 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)	6.15	Total Depth (ft-bmp)	12.50	Water Column (ft.)	6.35	Gallons in Well	1.03	
		Pump Intake (ft-bmp)	7.65	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.54					
Sample Time:	Label	10:55	Volume Purged	1.59 gallons	Replicate/Code No.	--	Sampled by	Ellen Redner
	Purge Start	10:05						
	Purge End	11:00						

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
10:10	0	150	6.16	0.00	7.49	1.34	7.24	0.86	15.0	-2.7	Clear	No Odor
10:15	5	150	6.16	0.20	7.39	1.46	6.84	0.32	15.1	-62.7	Clear	No Odor
10:20	5	150	6.16	0.40	7.38	1.49	6.11	0.23	15.2	-73.9	Clear	No Odor
10:25	5	150	6.16	0.60	7.38	1.49	6.31	0.24	15.0	-79.7	Clear	No Odor
10:30	5	100	6.16	0.80	7.37	1.56	4.97	0.20	15.1	-82.7	Clear	No Odor
10:35	5	100	6.16	1.00	7.36	1.62	4.56	0.16	15.0	-84.0	Clear	No Odor
10:40	5	100	6.16	1.13	7.35	1.69	3.93	0.15	15.1	-84.7	Clear	No Odor
10:45	5	150	6.16	1.26	7.35	1.73	3.68	0.13	15.2	-86.1	Clear	No Odor
10:50	5	100	6.16	1.46	7.34	1.76	3.70	0.14	15.3	-86.7	Clear	No Odor
10:55	5	150	6.16	1.59	7.34	1.78	3.64	0.12	15.4	-87.2	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

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:	12070 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-116S	Date	11-4-20			
Project Name/Location	Ford LTP	Weather	60 degrees F. Clear					
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Well Material	PVC			
Static Water Level (ft-bmp)	9.58	Total Depth (ft-bmp)	12.83	Gallons in Well	0.53			
		Pump Intake (ft-bmp)	11.08	Sample Method	Grab			
		Well Volumes Purged	3.40					
Sample Time:	Label	13:11	Volume Purged	1.8 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	12:07						
	Purge End	13:16						

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
12:10	0	110	9.60	0.00	7.54	0.29	14.20	1.63	15.2	166.9	Turbid	No Odor
12:15	5	110	9.60	0.15	7.38	0.42	10.30	1.05	15.2	87.7	Clear	No Odor
12:20	5	110	9.60	0.30	7.41	0.53	9.51	0.77	15.2	-36.0	Clear	No Odor
12:25	5	110	9.60	0.45	7.48	0.61	10.80	0.70	15.2	-85.3	Clear	No Odor
12:30	5	110	9.60	0.60	7.53	0.65	8.36	0.63	15.2	-102.4	Clear	No Odor
12:35	5	110	9.60	0.75	7.57	0.69	6.40	0.40	15.3	-103.6	Clear	No Odor
12:40	5	110	9.60	0.90	7.59	0.69	5.28	0.70	15.3	-101.9	Clear	No Odor
12:45	5	110	9.60	1.05	7.59	0.70	4.26	0.62	15.3	-99.1	Clear	No Odor
12:50	5	110	9.60	1.20	7.60	0.71	4.40	0.42	15.3	-101.6	Clear	No Odor
12:55	5	110	9.60	1.35	7.60	0.71	2.22	0.57	15.4	-100.8	Clear	No Odor
13:00	5	110	9.60	1.50	7.60	0.72	1.90	0.53	15.3	-101.0	Clear	No Odor
13:05	5	110	9.60	1.65	7.59	0.72	1.98	0.43	15.4	-101.5	Clear	No Odor
13:10	5	110	9.60	1.80	7.60	0.73	1.22	0.41	15.3	-101.9	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					
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:	34851 Wadsworth	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-117S		Date	11-11-20		
Project Name/Location	Ford LTP		Weather		48 degrees F. Mostly Clear			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2	PVC		
Static Water Level (ft-bmp)	8.10	Total Depth (ft-bmp)	12.42	Water Column (ft.)	4.32	Gallons in Well	0.70	
		Pump Intake (ft-bmp)	9.60	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.23					
Sample Time:	Label	11:10	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	10:37						
	Purge End	11:15						

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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-118S			Date	11-11-20
Project Name/Location	Ford LTP		Weather		50 degrees F. Mostly Cloudy		
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)	6.91	Total Depth (ft-bmp)	12.38	Water Column (ft.)	5.47	Gallons in Well	0.89
		Pump Intake (ft-bmp)	8.41	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.35				
Sample Time:	Label	9:05	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	8:30					Ellen Redner
	Purge End	9:10					

[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:	12124 Boston Post; front yard
Condition of Well:	Good
Well Completion:	Flush mount



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-119S		Date	11-11-20	
Project Name/Location	Ford LTP		Weather	Sunny, light breeze, 58 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	1.01	
Static Water Level (ft-bmp)	6.15	Total Depth (ft-bmp)	12.35	Water Column (ft.)	6.20	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.65	Purge Method	Low-Flow			
		Well Volumes Purged	1.54					
Sample Time:	Label	15:36	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	14:33						
	Purge End	15:43						

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
14:35	0	100	6.15	0.00	7.14	0.73	3.25	0.86	14.5	143.3	Clear	No Odor
14:40	5	100	6.15	0.13	7.06	0.71	3.11	0.41	14.4	140.7	Clear	No Odor
14:45	5	100	6.15	0.26	7.06	0.72	2.77	0.31	14.4	130.4	Clear	No Odor
14:50	5	100	6.15	0.39	7.13	0.75	2.39	0.28	14.3	119.4	Clear	No Odor
14:55	5	100	6.15	0.52	7.19	0.83	1.83	0.26	14.3	110.1	Clear	No Odor
15:00	5	100	6.15	0.65	7.22	0.91	1.49	0.23	14.3	100.6	Clear	No Odor
15:05	5	100	6.15	0.78	7.26	0.96	1.90	0.22	14.2	88.2	Clear	No Odor
15:10	5	100	6.15	0.91	7.28	1.00	1.51	0.23	14.3	79.7	Clear	No Odor
15:15	5	100	6.15	1.04	7.30	1.04	1.74	0.24	14.3	70.5	Clear	No Odor
15:20	5	100	6.15	1.17	7.31	1.07	1.59	0.24	14.4	62.0	Clear	No Odor
15:25	5	100	6.15	1.30	7.32	1.08	1.28	0.24	14.4	52.8	Clear	No Odor
15:30	5	100	6.15	1.43	7.33	1.10	1.52	0.23	14.4	41.1	Clear	No Odor
15:35	5	100	6.15	1.56	7.33	1.12	1.35	0.22	14.2	34.5	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	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information				
Well Location:	12034 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-121S	Date	11-9-20			
Project Name/Location	Ford LTP			Weather	Sunny clear skies temp 70F			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	7.30	Total Depth (ft-bmp)	12.10	Water Column (ft.)	4.80			
		Pump Intake (ft-bmp)	8.80	Gallons in Well	0.78			
		Well Volumes Purged	2.27	Purge Method	Low-Flow			
Sample Time:	Label	15:11	Volume Purged	1.77 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	14:08						
	Purge End	15:19						

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
14:10	0	110	7.32	0.00	7.27	0.69	18.60	0.37	15.6	81.6	Turbid	No Odor
14:15	4	110	7.31	0.12	7.36	0.68	21.90	1.01	15.9	55.5	Clear, Small White Particulates	No Odor
14:20	5	110	7.31	0.27	7.34	0.68	15.70	0.84	15.9	51.7	Clear, Small White Particulates	No Odor
14:25	5	110	7.31	0.42	7.34	0.67	11.60	0.81	15.9	42.3	Clear	No Odor
14:30	5	110	7.31	0.57	7.36	0.66	9.05	0.73	15.8	26.8	Clear	No Odor
14:35	5	110	7.31	0.72	7.36	0.65	8.21	0.70	15.8	25.3	Clear	No Odor
14:40	5	110	7.31	0.87	7.36	0.65	5.64	0.70	15.8	18.9	Clear	No Odor
14:45	5	110	7.31	1.02	7.38	0.65	5.25	0.70	15.9	13.7	Clear	No Odor
14:50	5	110	7.31	1.17	7.38	0.65	4.59	0.73	15.7	10.2	Clear	No Odor
14:55	5	110	7.31	1.32	7.35	0.66	3.88	0.67	15.8	8.9	Clear	No Odor
15:00	5	110	7.31	1.47	7.39	0.64	3.25	0.66	16.2	5.3	Clear	No Odor
15:05	5	110	7.31	1.62	7.40	0.65	4.39	0.69	16.0	3.4	Clear	No Odor
15:10	5	110	7.31	1.77	7.33	0.64	2.73	0.70	15.9	6.0	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:	11710 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



El Hassen

[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-125			Date	11-10-20
Project Name/Location	Ford LTP		Weather				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	2.17	Total Depth (ft-bmp)	11.72	Water Column (ft.)	9.55	Gallons in Well	1.55
		Pump Intake (ft-bmp)	9.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.77				
Sample Time:	Label	12:00	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:22					Allyson Hartz
	Purge End	12:03					

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
				6" = 1.47

Well Information		Well Location		Well Completion	
Well ID:	W-001	Well Name:	35601 Veronica	Well Type:	Production
Well Status:	Active	Well Depth:	1000 ft	Well Completion:	Flush mount
Well Location:	35601 Veronica	Well Locked at Arrival:	yes	Well Completion:	Flush mount
Condition of Well:	Good	Well Locked at Departure:	yes	Well Completion:	Flush mount
Well Completion:	Flush mount	Lock Functioning:	yes	Well Completion:	Flush mount

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-125S			Date	11-10-20
Project Name/Location	Ford LTP		Weather		67 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	2.32	Total Depth (ft-bmp)	6.75	Water Column (ft.)	4.43	Gallons in Well	0.72
		Pump Intake (ft-bmp)	3.82	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.67				
Sample Time:	Label	11:05	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	10:27					Allyson Hartz
	Purge End	11:08					

[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:	35601 Veronica
Condition of Well:	Good
Well Completion:	Flush mount



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-126S	Date	11-9-20			
Project Name/Location	Ford LTP			Weather	58 degrees F, Mostly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	9.63	Total Depth (ft-bmp)	12.78	Water Column (ft.)	3.15			
		Pump Intake (ft-bmp)	11.13	Purge Method	Low-Flow			
		Well Volumes Purged	4.08					
Sample Time:	Label	12:40	Volume Purged	2.08 gallons	Replicate/Code No.	--	Sampled by	Ellen Redner
	Purge Start	11:55						
	Purge End	12:45						

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
12:00	0	200	9.64	0.00	8.16	0.23	9.47	1.17	16.4	29.6	Clear	No Odor
12:05	5	200	9.65	0.26	8.38	0.21	6.79	1.12	16.2	-15.5	Clear	No Odor
12:10	5	200	9.65	0.52	8.71	0.20	5.16	1.30	16.2	-34.2	Clear	No Odor
12:15	5	200	9.65	0.78	8.86	0.18	4.85	1.46	16.3	-52.4	Clear	No Odor
12:20	5	200	9.65	1.04	8.90	0.18	4.33	1.56	16.2	-57.6	Clear	No Odor
12:25	5	200	9.65	1.30	8.85	0.18	3.89	1.62	16.2	-58.3	Clear	No Odor
12:30	5	200	9.65	1.56	8.96	0.18	4.34	1.63	16.2	-65.3	Clear	No Odor
12:35	5	200	9.65	1.82	8.97	0.18	4.22	1.62	16.2	-67.7	Clear	No Odor
12:40	5	200	9.65	2.08	9.03	0.18	4.31	1.64	16.2	-72.2	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	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information					
Well Location:	34966 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-127S			Date	11-3-20
Project Name/Location	Ford LTP		Weather		52 degrees F. Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	3.00	Total Depth (ft-bmp)	12.30	Water Column (ft.)	9.30	Gallons in Well	1.51
		Pump Intake (ft-bmp)	4.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.31				
Sample Time:	Label	14:15	Volume Purged	1.98 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:37					Emma Witherspoon
	Purge End	14:17					

[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:	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-128S	Date	11-19-20			
Project Name/Location	Ford LTP			Weather	48 degrees F, Mostly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4-14	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	7.41	Total Depth (ft-bmp)	13.02	Water Column (ft.)	5.61			
		Pump Intake (ft-bmp)	8.91	Purge Method	Low-Flow			
		Well Volumes Purged	2.00					
Sample Time:	Label	10:45	Volume Purged	1.82 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	10:09						
	Purge End	10:49						

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	200	7.58	0.00	8.42	0.68	5.73	0.84	14.0	155.5	Clear, Small Orange Particulates	No Odor
10:15	5	200	7.62	0.26	8.10	0.63	9.36	0.63	14.2	151.4	Clear, Small Orange Particulates	No Odor
10:20	5	200	7.64	0.52	7.77	0.77	6.22	0.58	14.3	147.4	Clear	No Odor
10:25	5	200	7.66	0.78	7.43	1.20	2.74	0.46	14.3	128.7	Clear	No Odor
10:30	5	200	7.68	1.04	7.35	1.32	2.07	0.50	14.3	-61.9	Clear	No Odor
10:35	5	200	7.70	1.30	7.33	1.36	2.24	0.48	14.4	-88.3	Clear	No Odor
10:40	5	200	7.70	1.56	7.32	1.37	0.70	0.44	14.4	-91.0	Clear	No Odor
10:45	5	200	7.70	1.82	7.32	1.39	1.42	0.40	14.4	-93.5	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	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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

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Project No.	30050315.402.01		Well ID	MW-129		Date	11-6-20	
Project Name/Location	Ford LTP		Weather	56 degrees F, Partly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	10-15	Casing Diameter (in.)	2	Gallons in Well	1.79	
Static Water Level (ft-bmp)	3.55	Total Depth (ft-bmp)	14.56	Water Column (ft.)	11.01	Sample Method	Grab	
		Pump Intake (ft-bmp)	12.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.89					
Sample Time:	Label	12:40	Volume Purged	1.6 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	11:53						
	Purge End	12:44						

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
11:55	0	150	3.54	0.00	7.97	0.67	19.70	1.07	17.5	-62.3	Clear, Small Orange Particulates, Sm	No Odor
12:00	5	150	3.61	0.20	7.95	0.67	18.80	0.60	17.5	-69.9	Clear, Small Orange Particulates, Sm	No Odor
12:05	5	150	3.61	0.40	8.01	0.67	8.27	0.51	17.6	-79.2	Clear, Small Orange Particulates, Sm	No Odor
12:10	5	150	3.61	0.60	7.98	0.67	6.29	0.46	17.5	-82.2	Clear, Small Orange Particulates	No Odor
12:15	5	150	3.61	0.80	7.99	0.68	7.30	0.41	17.6	-85.6	Clear, Small Orange Particulates	No Odor
12:20	5	150	3.61	1.00	8.00	0.68	8.78	0.38	17.6	-89.8	Clear, Small Orange Particulates	No Odor
12:25	5	150	3.61	1.20	8.01	0.68	4.89	0.37	17.6	-91.9	Clear, Small Orange Particulates	No Odor
12:30	5	150	3.61	1.40	8.01	0.68	4.59	0.35	17.6	-92.5	Clear, Small Orange Particulates	No Odor
12:35	5	150	3.61	1.60	8.02	0.68	4.65	0.35	17.7	-91.7	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					
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:	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	11-6-20			
Project Name/Location	Ford LTP		Weather	51 degrees F, Partly Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Well Material	PVC			
Static Water Level (ft-bmp)	3.66	Total Depth (ft-bmp)	7.66	Gallons in Well	0.65			
		Pump Intake (ft-bmp)	5.16	Sample Method	Grab			
		Well Volumes Purged	1.97					
Sample Time:	Label	10:40	Volume Purged	1.28 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	9:58						
	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
10:00	0	200	3.72	0.00	7.79	0.66	21.10	1.52	15.6	-79.8	Clear, Small Orange Particulates	No Odor
10:05	5	125	3.71	0.26	7.70	0.63	24.00	0.64	15.6	50.4	Clear, Small Orange Particulates	No Odor
10:10	5	125	3.71	0.43	7.72	0.64	11.80	0.63	15.6	30.8	Clear, Small Orange Particulates	No Odor
10:15	5	125	3.71	0.60	7.73	0.64	6.27	0.54	15.7	19.0	Clear, Small Orange Particulates	No Odor
10:20	5	125	3.71	0.77	7.73	0.65	3.78	0.50	15.7	9.3	Clear, Small Orange Particulates	No Odor
10:25	5	125	3.71	0.94	7.73	0.65	3.37	0.47	15.8	9.0	Clear, Small Orange Particulates	No Odor
10:30	5	125	3.71	1.11	7.74	0.66	1.21	0.45	15.8	4.2	Clear, Small Orange Particulates	No Odor
10:35	5	125	3.71	1.28	7.74	0.66	1.43	0.45	15.8	-0.1	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	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:	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-143S	Date	11-3-20			
Project Name/Location	Ford LTP			Weather	56 degrees F. Clear			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5.5-10.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	8.97	Total Depth (ft-bmp)	10.12	Water Column (ft.)	1.15			
		Pump Intake (ft-bmp)	9.50	Purge Method	Low-Flow			
		Well Volumes Purged	11.00					
Sample Time:	Label	14:55	Volume Purged	2.09 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	13:48						
	Purge End	14:58						

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
13:50	0	100	9.01	0.00	7.19	0.80	32.00	2.40	15.7	220.8	Clear	No Odor
13:55	5	100	9.01	0.13	7.08	0.77	23.70	1.63	15.6	231.8	Clear	No Odor
14:00	5	100	9.01	0.26	7.08	0.76	22.90	1.31	15.7	234.7	Clear	No Odor
14:05	5	100	9.02	0.39	7.09	0.75	15.20	1.03	15.7	235.0	Clear	No Odor
14:10	5	125	9.02	0.52	7.11	0.74	14.00	0.88	15.7	234.5	Clear	No Odor
14:15	5	150	9.02	0.69	7.12	0.74	11.00	0.82	15.5	234.4	Clear	No Odor
14:20	5	150	9.02	0.89	7.12	0.74	9.55	0.69	15.6	234.2	Clear	No Odor
14:25	5	150	9.02	1.09	7.13	0.73	9.92	0.62	15.6	234.1	Clear	No Odor
14:30	5	150	9.02	1.29	7.14	0.73	7.24	0.64	15.5	234.1	Clear	No Odor
14:35	5	150	9.02	1.49	7.14	0.73	5.50	0.61	15.4	234.2	Clear	No Odor
14:40	5	150	9.02	1.69	7.14	0.73	4.28	0.63	15.4	234.6	Clear	No Odor
14:45	5	150	9.02	1.89	7.15	0.72	2.60	0.58	15.4	234.9	Clear	No Odor
14:50	5	150	9.02	2.09	7.17	0.72	1.61	0.57	15.5	175.5	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	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information			
Well Location:	12069 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-144S		Date	11-3-20	
Project Name/Location	Ford LTP		Weather	38 degrees F, Partly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2	Gallons in Well	0.32	
Static Water Level (ft-bmp)	9.76	Total Depth (ft-bmp)	11.72	Water Column (ft.)	1.96	Sample Method	Grab	
		Pump Intake (ft-bmp)	11.26	Purge Method	Low-Flow			
		Well Volumes Purged	7.88					
Sample Time:	Label	11:50	Volume Purged	2.52 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	10:54						
	Purge End	11:52						

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
10:55	0	520	9.81	0.00	7.35	0.61	34.90	2.50	14.6	149.3	Clear	No Odor
11:00	5	175	9.82	0.69	7.41	0.61	15.00	1.42	14.4	157.2	Clear	No Odor
11:05	5	150	9.86	0.92	7.41	0.62	13.10	1.29	14.4	166.9	Clear	No Odor
11:10	5	150	9.80	1.12	7.40	0.64	7.25	1.16	14.4	170.7	Clear	No Odor
11:15	5	150	9.79	1.32	7.39	0.65	3.01	1.02	14.3	120.7	Clear	No Odor
11:20	5	150	9.79	1.52	7.38	0.65	4.72	0.94	14.2	99.7	Clear	No Odor
11:25	5	150	9.79	1.72	7.36	0.66	2.38	1.03	14.2	91.3	Clear	No Odor
11:30	5	150	9.80	1.92	7.35	0.66	1.83	0.89	14.4	78.6	Clear	No Odor
11:35	5	150	9.80	2.12	7.34	0.67	2.66	0.94	14.2	72.2	Clear	No Odor
11:40	5	150	9.80	2.32	7.34	0.67	2.33	0.92	14.1	67.4	Clear	No Odor
11:45	5	150	9.80	2.52	7.33	0.67	1.51	0.90	14.1	62.9	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: Full of water and bentonite - removed before taking J-plug off ..

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 Locked at Arrival:	yes
Well Location:	12033 Stark, front yard	Well Locked at Departure:	yes
Condition of Well:	Fair	Lock Functioning:	yes
Well Completion:	Flush mount		

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-145S		Date	11-19-20		
Project Name/Location	Ford LTP		Weather		50 degrees F. Mostly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-11	Casing Diameter (in.)	2	PVC		
Static Water Level (ft-bmp)	7.66	Total Depth (ft-bmp)	9.95	Water Column (ft.)	2.29	Gallons in Well	0.37	
		Pump Intake (ft-bmp)	9.16	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	4.22					
Sample Time:	Label	11:50	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	11:16						
	Purge End	11:54						

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

Well Information	
Well Location:	12087 Stark; back yard
Condition of Well:	Good
Well Completion:	Flush mount



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No. 30050315.402.01 Well ID MW-146S Date 11-19-20
Project Name/Location Ford LTP Weather 41 degrees F, Cloudy
Measuring Pt. Description Top of Casing Screen Setting (ft-bmp) 6-11 Well Material PVC
Static Water Level (ft-bmp) 6.42 Total Depth (ft-bmp) 9.85 Water Column (ft.) 3.43 Gallons in Well 0.56
Pump Intake (ft-bmp) 7.92 Purge Method Low-Flow Sample Method Grab
Well Volumes Purged 4.29

Sample Time: Label 9:40 Volume Purged 2.4 gallons Replicate/Code No. -- Sampled by Emma Witherspoon
Purge Start 8:54
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
8:55	0	225	6.64	0.00	6.90	1.21	9.71	2.26	12.0	239.3	Clear, Small Orange Particulates	No Odor
9:00	5	225	6.63	0.30	6.92	1.32	8.93	1.59	12.7	223.3	Clear	No Odor
9:05	5	225	6.64	0.60	6.90	1.46	6.21	0.79	13.3	117.1	Clear	No Odor
9:10	5	225	6.64	0.90	6.91	1.49	3.96	0.81	13.4	32.0	Clear	No Odor
9:15	5	225	6.65	1.20	6.91	1.54	1.76	0.64	13.5	-22.6	Clear	No Odor
9:20	5	225	6.66	1.50	6.91	1.56	1.65	0.54	13.6	-31.8	Clear	No Odor
9:25	5	225	6.66	1.80	6.91	1.57	0.86	0.47	13.7	-36.1	Clear	No Odor
9:30	5	225	6.66	2.10	6.91	1.59	0.66	0.42	13.7	-37.8	Clear	No Odor
9:35	5	225	6.66	2.40	6.91	1.60	0.60	0.37	13.6	-39.9	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 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC Container 40 mL Glass Number 3 Preservative 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: 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	11-10-20
Project Name/Location	Ford LTP		Weather		64 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	5.00	Total Depth (ft-bmp)	7.60	Water Column (ft.)	2.60	Gallons in Well	0.42
		Pump Intake (ft-bmp)	6.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	4.71				
Sample Time:	Label	10:20	Volume Purged	1.98 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:49					Emma Witherspoon
	Purge End	10:24					

[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:	34401 Capital; front yard
Condition of Well:	Good
Well Completion:	Flush mount



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No. 30050315.402.01 Well ID MW-148S Date 11-10-20
Project Name/Location Ford LTP Weather 60 degrees F, Cloudy
Measuring Pt. Description Top of Casing Screen Setting (ft-bmp) 2-7 Casing Diameter (in.) 2 Well Material PVC
Static Water Level (ft-bmp) 3.75 Total Depth (ft-bmp) 6.35 Water Column (ft.) 2.60 Gallons in Well 0.42
Pump Intake (ft-bmp) 5.25 Purge Method Low-Flow Sample Method Grab
Well Volumes Purged 5.50

Sample Time: Label 9:20 Volume Purged 2.31 gallons Replicate/Code No. -- Sampled by Emma Witherspoon
Purge Start 8:40
Purge End 9:25

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
8:45	0	250	3.82	0.00	6.93	2.43	4.17	0.94	13.7	-58.6	Clear, Small White Particulates	No Odor
8:50	5	250	3.83	0.33	6.94	2.53	1.19	0.53	13.6	-68.0	Clear, Small White Particulates	No Odor
8:55	5	250	3.83	0.66	6.96	2.57	0.32	0.38	13.7	-76.3	Clear	No Odor
9:00	5	250	3.83	0.99	6.95	2.56	0.02	0.26	13.6	-80.3	Clear	No Odor
9:05	5	250	3.83	1.32	6.96	2.57	0.33	0.72	13.7	-81.8	Clear	No Odor
9:10	5	250	3.83	1.65	6.95	2.55	0.02	0.14	13.7	-82.7	Clear	No Odor
9:15	5	250	3.83	1.98	6.95	2.55	0.02	0.28	13.7	-83.5	Clear	No Odor
9:20	5	250	3.83	2.31	6.95	2.51	0.02	0.13	13.8	-83.8	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 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC Container 40 mL Glass Number 3 Preservative 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

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-149S	Date	11-3-20			
Project Name/Location	Ford LTP		Weather	49 degrees F, Partly Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Well Material	PVC			
Static Water Level (ft-bmp)	2.45	Total Depth (ft-bmp)	6.45	Water Column (ft.)	4.00			
		Pump Intake (ft-bmp)	3.95	Gallons in Well	0.65			
		Well Volumes Purged	3.57	Purge Method	Low-Flow			
Sample Time:	Label	13:15	Volume Purged	2.32 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	12:14						
	Purge End	13:17						

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
12:15	0	200	2.65	0.00	7.50	2.50	13.60	2.66	12.8	51.0	Clear	No Odor
12:20	5	200	2.65	0.26	7.21	2.79	10.20	1.66	13.5	21.1	Clear	No Odor
12:25	5	150	2.65	0.52	7.04	3.05	7.30	0.77	13.9	5.7	Clear	No Odor
12:30	5	150	2.65	0.72	7.02	3.11	5.47	0.68	14.0	-3.8	Clear	No Odor
12:35	5	150	2.65	0.92	7.01	3.13	5.02	0.56	14.0	-14.3	Clear	No Odor
12:40	5	150	2.65	1.12	7.00	3.21	4.36	0.48	14.1	-21.4	Clear	No Odor
12:45	5	150	2.65	1.32	6.99	3.27	1.45	0.29	14.2	-24.8	Clear	No Odor
12:50	5	150	2.65	1.52	6.99	3.28	2.28	0.28	14.3	-36.3	Clear	No Odor
12:55	5	150	2.65	1.72	6.99	3.39	1.78	0.19	14.3	-44.5	Clear	No Odor
13:00	5	150	2.65	1.92	6.99	3.48	0.90	0.23	14.3	-45.0	Clear	No Odor
13:05	5	150	2.65	2.12	6.99	3.51	1.16	0.20	14.4	-42.9	Clear	No Odor
13:10	5	150	2.65	2.32	6.99	3.52	2.57	0.20	14.4	-43.3	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:	34450 Beacon St; side yard	Well Locked at Arrival: yes
Condition of Well:	Good	Well Locked at Departure: yes
Well Completion:	Flush mount	Lock Functioning: yes



El Hagg Ben

[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

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-151S	Date	11-9-20			
Project Name/Location	Ford LTP			Weather	49 degrees F, Fog and Fog/Mist			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	3.87	Total Depth (ft-bmp)	6.91	Water Column (ft.)	3.04			
		Pump Intake (ft-bmp)	5.37	Gallons in Well	0.49			
		Well Volumes Purged	5.45	Purge Method	Low-Flow			
				Sample Method	Grab			
Sample Time:	Label	9:30	Volume Purged	2.67 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	8:38						
	Purge End	9:35						

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
8:40	0	250	3.92	0.00	7.04	2.31	96.90	2.77	13.1	-51.0	Cloudy, Small Orange Particulates, Yell	No Odor
8:45	5	200	3.92	0.33	6.94	2.86	29.10	0.92	13.5	-70.8	Cloudy, Small Orange Particulates	No Odor
8:50	5	200	3.92	0.59	7.00	3.00	18.90	0.67	13.6	-80.4	Clear, Small Orange Particulates	No Odor
8:55	5	200	3.91	0.85	7.00	3.07	13.80	0.54	13.6	-83.9	Clear	No Odor
9:00	5	200	3.91	1.11	7.01	3.18	10.40	0.30	13.7	-91.0	Clear	No Odor
9:05	5	200	3.91	1.37	7.01	3.20	6.17	0.24	13.8	-92.9	Clear	No Odor
9:10	5	200	3.91	1.63	7.01	3.25	12.70	0.19	13.8	-95.1	Cloudy, Small Orange Particulates	No Odor
9:15	5	200	3.91	1.89	7.02	3.30	6.07	0.25	13.8	-93.3	Clear	No Odor
9:20	5	200	3.91	2.15	7.01	3.28	3.60	0.14	13.9	-97.3	Clear	No Odor
9:25	5	200	3.91	2.41	7.01	3.29	3.14	0.14	13.9	-98.2	Clear	No Odor
9:30	5	200	3.91	2.67	7.01	3.30	3.06	0.10	14.0	-98.5	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:	12091 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

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-152S	Date	11-3-20			
Project Name/Location	Ford LTP			Weather	38 degrees F, Partly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	5.00	Total Depth (ft-bmp)	6.68	Water Column (ft.)	1.68			
		Pump Intake (ft-bmp)	6.50	Gallons in Well	0.27			
		Well Volumes Purged	9.63	Purge Method	Low-Flow			
Sample Time:	Label	11:30	Volume Purged	2.6 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	10:34						
	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
10:35	0	200	5.20	0.00	7.24	1.17	72.10	6.22	10.9	51.5	Clear, Turbid	No Odor
10:40	5	200	5.20	0.26	7.17	1.19	41.90	3.53	12.3	22.4	Clear, Small White Particulates, Tur	No Odor
10:45	5	200	5.21	0.52	7.08	1.40	16.10	1.93	12.9	15.2	Clear	No Odor
10:50	5	200	5.21	0.78	7.05	1.63	5.51	0.86	13.3	-2.2	Clear	No Odor
10:55	5	200	5.21	1.04	7.06	1.70	3.13	1.02	13.5	-11.5	Clear	No Odor
11:00	5	200	5.21	1.30	7.06	1.74	2.44	0.69	13.6	-15.6	Clear	No Odor
11:05	5	200	5.21	1.56	7.07	1.75	1.73	0.63	13.7	-19.6	Clear	No Odor
11:10	5	200	5.21	1.82	7.07	1.76	1.12	0.53	13.7	-18.7	Clear	No Odor
11:15	5	200	5.21	2.08	7.07	1.76	1.47	0.48	13.7	-20.5	Clear	No Odor
11:20	5	200	5.21	2.34	7.07	1.77	0.63	0.49	13.8	-22.9	Clear	No Odor
11:25	5	200	5.21	2.60	7.07	1.77	1.05	0.48	13.8	-23.3	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:	34550 Beacon St, 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-153S			Date	11-2-20
Project Name/Location	Ford LTP		Weather		34 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	3.95	Total Depth (ft-bmp)	7.00	Water Column (ft.)	3.05	Gallons in Well	0.50
		Pump Intake (ft-bmp)	5.45	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	4.16				
Sample Time:	Label	Volume Purged	2.08 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	9:59					
	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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
				6" = 1.47

Well Information			
Well Location:	34644 Beacon; back yard		Well Locked at Arrival:
Condition of Well:	Good		Well Locked at Departure:
Well Completion:	Flush mount		Lock Functioning:

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-154S			Date	11-2-20
Project Name/Location	Ford LTP		Weather		30 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	5.50	Total Depth (ft-bmp)	7.10	Water Column (ft.)	1.60	Gallons in Well	0.26
		Pump Intake (ft-bmp)	6.80	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	6.00				
Sample Time:	Label	9:25	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	8:48					Emma Witherspoon
	Purge End	9:27					

[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
Condition of Well:	Good
Well Completion:	Flush mount



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01		Well ID	MW-155S		Date	11-10-20	
Project Name/Location	Ford LTP		Weather	77 degrees F, Mostly Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC	
Static Water Level (ft-bmp)	4.90	Total Depth (ft-bmp)	6.40	Water Column (ft.)	1.50	Gallons in Well	0.24	
		Pump Intake (ft-bmp)	5.65	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	6.08					
Sample Time:	Label	15:50	Volume Purged	1.46 gallons	Replicate/Code No.	--	Sampled by	Ellen Redner
	Purge Start	15:13						
	Purge End	15:55						

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
15:15	0	200	4.93	0.00	7.82	0.91	214.00	5.29	15.6	37.7	Cloudy, Small Orange Particulates	No Odor
15:20	5	150	4.93	0.26	7.33	0.89	43.80	0.86	15.6	-0.8	Clear, Small Orange Particulates	No Odor
15:25	5	150	4.93	0.46	7.28	0.87	13.50	0.41	15.7	41.9	Clear, Small Orange Particulates	No Odor
15:30	5	150	4.93	0.66	7.28	0.87	6.58	0.33	15.7	-59.4	Clear, Small Orange Particulates	No Odor
15:35	5	150	4.93	0.86	7.29	0.87	70.70	0.39	15.7	69.7	Clear, Small Orange Particulates	No Odor
15:40	5	150	4.93	1.06	7.27	0.86	3.36	0.21	15.7	-77.7	Clear	No Odor
15:45	5	150	4.93	1.26	7.26	0.86	1.53	0.18	15.6	-80.4	Clear	No Odor
15:50	5	150	4.93	1.46	7.26	0.86	2.76	0.16	15.6	-82.0	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: Bentonite had to be removed from vault in order to get to well

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; 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-156S	Date	11-10-20			
Project Name/Location	Ford LTP			Weather	76 degrees F, Partly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	6.39	Total Depth (ft-bmp)	7.40	Water Column (ft.)	1.01			
		Pump Intake (ft-bmp)	6.90	Purge Method	Low-Flow			
		Well Volumes Purged	9.13					
Sample Time:	Label	14:35	Volume Purged	1.46 gallons	Replicate/Code No.	--	Sampled by	Ellen Redner
	Purge Start	13:55						
	Purge End	14:40						

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
14:00	0	200	6.58	0.00	7.88	0.43	101.00	3.70	15.0	-2.7	Clear	No Odor
14:05	5	150	6.59	0.26	7.61	0.41	36.50	2.77	14.9	19.1	Clear, Small White Particulates	No Odor
14:10	5	150	6.59	0.46	7.69	0.41	20.40	2.61	14.8	16.1	Clear	No Odor
14:15	5	150	6.59	0.66	7.70	0.42	17.10	2.63	14.8	12.4	Clear	No Odor
14:20	5	150	6.59	0.86	7.69	0.42	22.00	2.54	14.8	11.9	Clear	No Odor
14:25	5	150	6.59	1.06	7.69	0.43	3.78	2.56	14.8	11.5	Clear	No Odor
14:30	5	150	6.59	1.26	7.69	0.43	4.57	2.57	14.7	11.6	Clear, Small Orange Particulates	No Odor
14:35	5	150	6.59	1.46	7.68	0.43	4.92	2.61	14.7	12.4	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 scoop out bentonite to get to well

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 Locked at Arrival:	
Well Location:	12100 Boston Post; backyard	Well Locked at Departure:	no
Condition of Well:	Good	Lock Functioning:	n/a
Well Completion:	Flush mount		n/a



El Hagg Ben

[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
Condition of Well:	Good
Well Completion:	Flush mount



Project No.	30050315.402.01	Well ID	MW-158S			Date	11-9-20
Project Name/Location	Ford LTP		Weather		68 degrees F. Partly Cloudy		
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)	6.26	Total Depth (ft-bmp)	7.42	Water Column (ft.)	1.16	Gallons in Well	0.19
		Pump Intake (ft-bmp)	6.90	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	6.16				
Sample Time:	Label	13:45	Volume Purged	1.17 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:08					Allyson Hartz
	Purge End	13:48					

[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:	34950 Beacon, 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-159S		Date	11-9-20	
Project Name/Location	Ford LTP		Weather	74 degrees F, Mostly Clear		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4-9	Casing Diameter (in.)	2	Gallons in Well	0.17	
Static Water Level (ft-bmp)	7.48	Total Depth (ft-bmp)	8.52	Water Column (ft.)	1.04	Sample Method	Grab	
		Pump Intake (ft-bmp)	8.50	Purge Method	Low-Flow			
		Well Volumes Purged	8.00					
Sample Time:	Label	15:10	Volume Purged	1.36 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	14:23						
	Purge End	15:12						

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
14:25	0	150	7.59	0.00	7.70	0.69	21.80	2.37	14.9	-7.5	Clear	No Odor
14:30	5	150	7.52	0.20	7.71	0.58	0.02	1.36	14.1	-16.4	Clear	No Odor
14:35	5	150	7.53	0.40	7.70	0.56	0.02	1.29	14.1	-20.9	Clear	No Odor
14:40	5	150	7.52	0.60	7.64	0.56	0.02	1.32	14.2	-21.7	Clear	No Odor
14:45	5	125	7.53	0.80	7.64	0.55	0.02	1.34	14.2	-19.7	Clear	No Odor
14:50	5	100	7.50	0.97	7.64	0.54	0.02	1.34	14.6	-18.8	Clear	No Odor
14:55	5	100	7.56	1.10	7.63	0.54	0.02	1.51	14.9	-14.0	Clear	No Odor
15:00	5	100	7.52	1.23	7.64	0.54	0.02	1.55	14.8	-15.2	Clear	No Odor
15:05	5	125	7.56	1.36	7.64	0.54	0.02	1.50	14.6	-13.1	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	No 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

Well Information		
Well Location:	34920 Beacon, backyard	Well Locked at Arrival: no
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.	30050315.402.01	Well ID	MW-162S	Date	11-5-20	
Project Name/Location	Ford LTP		Weather	52 degrees F, Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2	
Static Water Level (ft-bmp)	6.30	Total Depth (ft-bmp)	7.80	Water Column (ft.)	1.50	
		Pump Intake (ft-bmp)	7.50	Purge Method	Low-Flow	
		Well Volumes Purged	16.50			
Sample Time:	Label	10:10	Volume Purged	3.96 gallons	Replicate/Code No.	--
	Purge Start	9:02			Sampled by	Emma Witherspoon
	Purge End	10:12				

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
9:05	0	250	6.33	0.00	6.54	0.85	438.00	2.68	13.3	-27.6	Cloudy	No Odor
9:10	5	250	6.33	0.33	6.62	0.80	62.80	2.43	13.4	-62.8	Cloudy	No Odor
9:15	5	250	6.33	0.66	6.85	0.77	14.40	1.48	13.4	-30.0	Clear	No Odor
9:20	5	250	6.33	0.99	6.96	0.76	13.70	2.17	13.4	-15.7	Clear	No Odor
9:25	5	250	6.33	1.32	6.98	0.75	10.10	1.87	13.4	-3.8	Clear	No Odor
9:30	5	250	6.33	1.65	6.97	0.72	8.24	2.20	13.5	14.3	Clear	No Odor
9:35	5	250	6.33	1.98	7.11	0.70	5.57	2.21	13.5	27.5	Clear	No Odor
9:40	5	250	6.33	2.31	7.11	0.69	4.14	1.77	13.5	35.5	Clear	No Odor
9:45	5	250	6.33	2.64	7.13	0.68	3.76	2.22	13.5	38.2	Clear	No Odor
9:50	5	250	6.33	2.97	7.17	0.67	3.24	1.96	13.5	41.6	Clear	No Odor
9:55	5	250	6.33	3.30	7.19	0.66	3.25	2.24	13.5	45.9	Clear	No Odor
10:00	5	250	6.33	3.63	7.18	0.65	2.84	2.11	13.5	50.4	Clear	No Odor
10:05	5	250	6.33	3.96	7.21	0.65	2.57	2.14	13.5	50.0	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:	Private property: 12017 Brewster St; 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-163S	Date	11-2-20			
Project Name/Location	Ford LTP			Weather	40 degrees F, Partly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	4.82	Total Depth (ft-bmp)	6.75	Water Column (ft.)	1.93			
		Pump Intake (ft-bmp)	6.32	Gallons in Well	0.31			
		Well Volumes Purged	10.06	Purge Method	Low-Flow			
Sample Time:	Label	12:50	Volume Purged	3.12 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	11:47						
	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
11:50	0	200	5.00	0.00	7.42	0.84	413.00	1.79	13.3	-35.6	Cloudy,Turbid,Yellow	No Odor
11:55	5	200	4.97	0.26	7.43	0.76	229.00	0.96	13.4	-25.6	Cloudy,Turbid	No Odor
12:00	5	200	4.97	0.52	7.48	0.70	34.90	0.51	13.5	-15.0	Clear,Turbid	No Odor
12:05	5	200	4.97	0.78	7.50	0.66	10.10	0.42	13.5	-6.3	Clear	No Odor
12:10	5	200	4.97	1.04	7.51	0.65	3.57	0.46	13.6	4.0	Clear	No Odor
12:15	5	200	4.97	1.30	7.51	0.64	16.70	0.43	13.6	6.0	Clear	No Odor
12:20	5	200	4.97	1.56	7.51	0.65	8.79	0.47	13.6	8.5	Clear	No Odor
12:25	5	200	4.97	1.82	7.51	0.65	5.91	0.48	13.7	15.6	Clear	No Odor
12:30	5	200	4.97	2.08	7.51	0.65	12.00	0.48	13.7	9.1	Clear	No Odor
12:35	5	200	4.97	2.34	7.50	0.65	10.70	0.58	13.7	24.0	Clear	No Odor
12:40	5	200	4.97	2.60	7.50	0.66	7.93	0.61	13.8	29.7	Clear	No Odor
12:45	5	200	4.97	2.86	7.49	0.66	7.02	0.60	13.6	39.0	Clear	No Odor
12:50	5	200	4.97	3.12	7.49	0.66	6.05	0.73	13.8	36.4	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:	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	11-9-20			
Project Name/Location	Ford LTP			Weather	77 degrees F, Mostly Clear			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	6.18	Total Depth (ft-bmp)	7.52	Water Column (ft.)	1.34			
		Pump Intake (ft-bmp)	6.85	Purge Method	Low-Flow			
		Well Volumes Purged	8.18					
Sample Time:	Label	17:06	Volume Purged	1.8 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	16:03						
	Purge End	17:11						

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
16:05	0	110	6.24	0.00	7.66	0.40	29.90	7.23	14.3	91.4	Turbid	No Odor
16:10	5	110	6.24	0.15	7.41	0.43	27.00	5.80	14.3	107.5	Turbid	No Odor
16:15	5	110	6.24	0.30	7.45	0.45	23.40	5.68	14.2	106.9	Turbid	No Odor
16:20	5	110	6.24	0.45	7.53	0.48	16.90	5.47	14.2	104.5	Clear	No Odor
16:25	5	110	6.24	0.60	7.56	0.50	11.50	5.42	14.2	104.2	Clear	No Odor
16:30	5	110	6.25	0.75	7.56	0.51	9.53	5.23	14.1	105.0	Clear	No Odor
16:35	5	110	6.25	0.90	7.56	0.52	7.19	5.07	14.1	105.8	Clear	No Odor
16:40	5	110	6.25	1.05	7.55	0.52	6.61	4.43	14.1	106.4	Clear	No Odor
16:45	5	110	6.25	1.20	7.55	0.52	6.24	4.30	14.1	107.1	Clear	No Odor
16:50	5	110	6.25	1.35	7.54	0.52	4.10	4.04	14.0	108.1	Clear	No Odor
16:55	5	110	6.25	1.50	7.54	0.53	3.48	4.09	14.0	108.3	Clear	No Odor
17:00	5	110	6.25	1.65	7.54	0.53	3.01	3.56	14.0	108.1	Clear	No Odor
17:05	5	110	6.25	1.80	7.53	0.53	2.19	3.41	14.0	109.6	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: Water and sand over pvc and plug, bailed out

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:	34637 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-165S			Date	11-10-20
Project Name/Location	Ford LTP		Weather		50 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	5.26	Total Depth (ft-bmp)	6.25	Water Column (ft.)	0.99	Gallons in Well	0.16
		Pump Intake (ft-bmp)	5.75	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	10.00				
Sample Time:	Label	13:35	Volume Purged	1.6 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:49					Allyson Hartz
	Purge End	13:38					

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-166S			Date	11-19-20
Project Name/Location	Ford LTP		Weather		53 degrees F, Mostly Cloudy and Windy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-11	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.98	Total Depth (ft-bmp)	10.58	Water Column (ft.)	2.60	Gallons in Well	0.42
		Pump Intake (ft-bmp)	9.48	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.71				
Sample Time:	Label	13:20	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:47					Emma Witherspoon
	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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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



Project No.	30050315.402.01	Well ID	MW-167S			Date	11-5-20
Project Name/Location	Ford LTP		Weather		54 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2	Well Material	
Static Water Level (ft-bmp)	6.94	Total Depth (ft-bmp)	9.22	Water Column (ft.)	2.28	Gallons in Well	
		Pump Intake (ft-bmp)	8.44	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	3.73				
Sample Time:	Label	10:10	Volume Purged	1.38 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:32					Allyson Hartz
	Purge End	10:13					

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

Comments	Vault full of water

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:	12001 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-168S			Date	11-9-20
Project Name/Location	Ford LTP		Weather		68 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	4.60	Total Depth (ft-bmp)	6.80	Water Column (ft.)	2.20	Gallons in Well	0.36
		Pump Intake (ft-bmp)	6.10	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	5.58				
Sample Time:	Label	12:55	Volume Purged	2.01 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:11					Emma Witherspoon
	Purge End	12:57					

[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				
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:	34480 Capitol, front yard
Condition of Well:	Good
Well Completion:	Flush mount



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-169S	Date	11-9-20
Project Name/Location	Ford LTP			Weather	71 degrees F, Partly Cloudy
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2
Static Water Level (ft-bmp)	4.33	Total Depth (ft-bmp)	6.50	Water Column (ft.)	2.17
		Pump Intake (ft-bmp)	5.83	Purge Method	Low-Flow
		Well Volumes Purged	6.60		
Sample Time:	Label	14:00	Volume Purged	2.31 gallons	Replicate/Code No.
	Purge Start	13:22			--
	Purge End	14:05			
				Sampled by	Emma Witherspoon

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
13:25	0	250	4.37	0.00	7.27	1.08	276.00	1.11	14.6	-114.7	Cloudy, Yellow	No Odor
13:30	5	250	4.38	0.33	7.22	1.20	12.70	0.32	14.3	-96.4	Clear	No Odor
13:35	5	250	4.38	0.66	7.21	1.16	4.99	0.26	14.4	-94.0	Clear	No Odor
13:40	5	250	4.39	0.99	7.20	1.14	2.12	0.19	14.2	-91.7	Clear	No Odor
13:45	5	250	4.39	1.32	7.18	1.16	1.42	0.17	14.0	-85.9	Clear	No Odor
13:50	5	250	4.39	1.65	7.18	1.19	0.96	0.13	14.1	-80.9	Clear	No Odor
13:55	5	250	4.39	1.98	7.17	1.20	1.07	0.13	14.0	-76.7	Clear	No Odor
14:00	5	250	4.39	2.31	7.17	1.21	0.68	0.13	14.0	-76.5	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	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	11-5-20	
Project Name/Location	Ford LTP		Weather	63 degrees F, Cloudy				
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)	7.54	Total Depth (ft-bmp)	9.55	Water Column (ft.)	2.01	Gallons in Well	0.33	
		Pump Intake (ft-bmp)	9.04	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	4.09					
Sample Time:	Label	16:01	Volume Purged	1.35 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	15:13						
	Purge End	16:07						

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
15:15	0	110	7.55	0.00	7.10	3.49	27.10	1.02	14.7	-70.5	Turbid	No Odor
15:20	5	110	7.55	0.15	7.11	3.63	22.00	0.43	14.7	-79.6	Turbid	No Odor
15:25	5	110	7.55	0.30	7.14	3.71	15.70	0.42	14.7	-82.6	Turbid	No Odor
15:30	5	110	7.55	0.45	7.17	3.82	10.60	0.06	14.6	-81.2	Clear	No Odor
15:35	5	110	7.55	0.60	7.20	3.89	8.55	0.48	14.6	-76.1	Clear	No Odor
15:40	5	110	7.55	0.75	7.19	3.92	5.78	0.46	14.6	-76.4	Clear	No Odor
15:45	5	110	7.55	0.90	7.20	3.96	4.50	0.72	14.5	-75.7	Clear	No Odor
15:50	5	110	7.55	1.05	7.21	4.00	3.36	0.39	14.5	-75.3	Clear	No Odor
15:55	5	110	7.55	1.20	7.20	4.03	2.98	0.38	14.5	-77.0	Clear	No Odor
16:00	5	110	7.55	1.35	7.21	4.06	2.30	0.37	14.5	-77.5	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	6" = 1.47
	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:	n/a	

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-171S			Date	11-9-20
Project Name/Location	Ford LTP		Weather		66 degrees F partly cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	4.63	Total Depth (ft-bmp)	6.44	Water Column (ft.)	1.81	Gallons in Well	0.29
		Pump Intake (ft-bmp)	6.13	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	6.83				
Sample Time:	Label	11:40	Volume Purged	1.98 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:09					Emma Witherspoon
	Purge End	11:44					

El Houssein

[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-172S		Date	11-9-20	
Project Name/Location	Ford LTP		Weather	63 degrees F, 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)	6.77	Total Depth (ft-bmp)	8.95	Water Column (ft.)	2.18	Gallons in Well	0.35	
		Pump Intake (ft-bmp)	8.27	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	5.14					
Sample Time:	Label	11:51	Volume Purged	1.8 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	10:48						
	Purge End	11:56						

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
10:50	0	110	6.79	0.00	6.99	0.35	29.00	1.86	14.6	68.4	Turbid	No Odor
10:55	5	110	6.79	0.15	7.09	0.35	10.50	1.82	14.6	44.6	Clear	No Odor
11:00	5	110	6.79	0.30	7.33	0.36	5.16	1.61	14.5	23.0	Clear	No Odor
11:05	5	110	6.79	0.45	7.40	0.36	2.73	1.66	14.6	7.9	Clear	No Odor
11:10	5	110	6.79	0.60	7.45	0.35	2.01	1.62	14.6	-1.1	Clear	No Odor
11:15	5	110	6.79	0.75	7.48	0.36	1.28	1.55	14.5	-14.7	Clear	No Odor
11:20	5	110	6.79	0.90	7.46	0.36	1.85	1.52	14.6	-29.8	Clear	No Odor
11:25	5	110	6.79	1.05	7.54	0.35	0.82	1.45	14.6	-16.1	Clear	No Odor
11:30	5	110	6.79	1.20	7.55	0.36	1.96	1.57	14.7	-21.6	Clear	No Odor
11:35	5	110	6.79	1.35	7.57	0.35	0.65	1.55	14.7	-27.2	Clear	No Odor
11:40	5	110	6.79	1.50	7.57	0.36	0.76	1.51	14.7	-29.7	Clear	No Odor
11:45	5	110	6.79	1.65	7.54	0.36	0.71	1.54	14.7	-31.1	Clear	No Odor
11:50	5	110	6.79	1.80	7.58	0.36	1.37	1.55	14.7	-38.6	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	Had to bail water and sand around casing, casing was under water and sand

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; front yard	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	yes	
Well Completion:	Flush mount	Lock Functioning:	yes	



Gary Scheffer

[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:	11721 Boston Post; back yard
Condition of Well:	Good
Well Completion:	Flush mount

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-176S			Date	11-10-20
Project Name/Location	Ford LTP		Weather		72 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2	Well Material	PVC
Static Water Level (ft-bmp)	7.55	Total Depth (ft-bmp)	9.32	Water Column (ft.)	1.77	Gallons in Well	0.29
		Pump Intake (ft-bmp)	9.05	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.10				
Sample Time:	Label	12:21	Volume Purged	0.9 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	11:48					Gary Schafer
	Purge End	12:28					

[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 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; 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-177S		Date	11-16-20	
Project Name/Location	Ford LTP		Weather	Sunny, clouds, 30 degrees F		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.9	Casing Diameter (in.)	2	Gallons in Well	0.23	
Static Water Level (ft-bmp)	6.80	Total Depth (ft-bmp)	8.23	Water Column (ft.)	1.43	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.52	Purge Method	Low-Flow			
		Well Volumes Purged	6.78					
Sample Time:	Label	12:01	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	10:58						
	Purge End	12:05						

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
11:00	0	100	7.00	0.00	6.88	0.85	15.70	2.32	13.4	239.6	Clear	No Odor
11:05	5	100	7.00	0.13	6.91	0.79	11.80	1.86	13.3	218.3	Clear	No Odor
11:10	5	100	7.00	0.26	6.96	0.79	8.59	1.06	13.5	181.8	Clear	No Odor
11:15	5	100	7.04	0.39	7.07	0.77	5.26	0.80	13.6	121.1	Clear	No Odor
11:20	5	100	7.04	0.52	7.08	0.76	5.22	0.78	13.7	117.8	Clear	No Odor
11:25	5	100	7.04	0.65	7.09	0.76	4.37	0.74	13.7	109.9	Clear	No Odor
11:30	5	100	7.05	0.78	7.11	0.76	3.85	0.74	13.6	96.1	Clear	No Odor
11:35	5	100	7.05	0.91	7.12	0.75	4.00	0.72	13.7	83.3	Clear	No Odor
11:40	5	100	7.05	1.04	7.14	0.74	3.32	0.78	13.7	76.7	Clear	No Odor
11:45	5	100	7.05	1.17	7.15	0.74	3.06	0.75	13.8	69.6	Clear	No Odor
11:50	5	100	7.05	1.30	7.16	0.74	2.07	0.75	13.8	63.0	Clear	No Odor
11:55	5	100	7.07	1.43	7.17	0.74	1.72	0.71	13.9	54.5	Clear	No Odor
12:00	5	100	7.07	1.56	7.17	0.74	1.60	0.72	13.8	51.9	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 casing and plug under water and silt material

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:	11866 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

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-178S	Date	11-10-20			
Project Name/Location	Ford LTP			Weather	76 degrees F, Partly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	6.86	Total Depth (ft-bmp)	8.85	Water Column (ft.)	1.99			
		Pump Intake (ft-bmp)	8.36	Gallons in Well	0.32			
		Well Volumes Purged	4.22	Purge Method	Low-Flow			
Sample Time:	Label	14:36	Volume Purged	1.35 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	13:48						
	Purge End	14:43						

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
13:50	0	110	6.89	0.00	6.80	0.61	89.20	0.72	14.8	44.5	Brown, Cloudy	No Odor
13:55	5	110	6.89	0.15	6.88	0.62	53.30	0.61	14.8	26.9	Brown, Turbid	No Odor
14:00	5	110	6.90	0.30	7.00	0.63	32.90	0.49	14.7	5.9	Turbid	No Odor
14:05	5	110	6.90	0.45	7.10	0.63	17.20	0.40	14.8	-13.6	Clear	No Odor
14:10	5	110	6.90	0.60	7.16	0.63	18.10	0.40	14.6	-23.2	Clear	No Odor
14:15	5	110	6.90	0.75	7.17	0.63	7.37	0.37	14.6	-28.0	Clear	No Odor
14:20	5	110	6.90	0.90	7.20	0.63	5.50	0.35	14.6	-30.2	Clear	No Odor
14:25	5	110	6.90	1.05	7.22	0.63	3.81	0.34	14.6	-31.8	Clear	No Odor
14:30	5	110	6.90	1.20	7.24	0.62	2.42	0.37	14.6	-29.7	Clear	No Odor
14:35	5	110	6.90	1.35	7.24	0.62	1.93	0.39	14.6	-28.5	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	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information				
Well Location:	11850 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-179S			Date	11-5-20
Project Name/Location	Ford LTP		Weather		54 degrees F. 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)	8.97	Total Depth (ft-bmp)	10.92	Water Column (ft.)	1.95	Gallons in Well	0.32
		Pump Intake (ft-bmp)	10.47	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	2.81				
Sample Time:	Label	10:01	Volume Purged	0.9 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:27					Gary Schafer
	Purge End	10:10					

Gang
Schef.

[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
Condition of Well:	Good
Well Completion:	Flush mount

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-180SR		Date	11-4-20
Project Name/Location		Ford LTP	Weather		56 degrees F. Clear	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6.5-11.5	Casing Diameter (in.)	2	PVC
Static Water Level (ft-bmp)	8.81	Total Depth (ft-bmp)	11.82	Water Column (ft.)	3.01	Gallons in Well
		Pump Intake (ft-bmp)	10.31	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	1.96			Grab
Sample Time:	Label	11:31	Volume Purged	0.96 gallons	Replicate/Code No.	--
	Purge Start	10:57				
	Purge End	11:37				
						Gary Schafer

[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
Condition of Well:	Good
Well Completion:	Flush mount



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-181S	Date	11-3-20			
Project Name/Location	Ford LTP			Weather	35 degrees F, Partly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3.5-8.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	6.98	Total Depth (ft-bmp)	8.54	Water Column (ft.)	1.56			
		Pump Intake (ft-bmp)	8.48	Gallons in Well	0.25			
		Well Volumes Purged	4.16	Purge Method	Low-Flow			
Sample Time:	Label	10:07	Volume Purged	1.04 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	9:28						
	Purge End	10:11						

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
9:30	0	100	6.98	0.00	7.24	1.81	4.01	0.30	14.7	-27.7	Clear	No Odor
9:35	5	100	7.00	0.13	7.30	1.79	3.73	0.39	14.9	-42.9	Clear	No Odor
9:40	5	100	7.00	0.26	7.28	1.77	3.31	0.40	14.9	-52.8	Clear	No Odor
9:45	5	100	7.00	0.39	7.30	1.77	3.12	0.40	14.9	-59.0	Clear	No Odor
9:50	5	100	7.00	0.52	7.27	1.75	2.05	0.38	14.8	-56.3	Clear	No Odor
9:55	5	100	7.00	0.65	7.30	1.76	2.90	0.39	14.7	-51.4	Clear	No Odor
10:00	5	100	7.00	0.78	7.32	1.74	1.50	0.40	14.7	-46.2	Clear	No Odor
10:05	5	100	7.00	0.91	7.32	1.73	1.22	0.39	14.9	-47.2	Clear	No Odor
10:10	5	100	7.00	1.04	7.29	1.73	1.20	0.38	14.7	-41.9	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:	34990 Wadsworth; front yard	Well Locked at Arrival: no
Condition of Well:	Good	Well Locked at Departure: no
Well Completion:	Flush mount	Lock Functioning: n/a



9. —

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

Comments	None

Well Information

Well Information	
Well Location:	34766 Standish; side yard
Condition of Well:	Good
Well Completion:	Flush mount



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-183S		Date	11-9-20	
Project Name/Location	Ford LTP		Weather	71 degrees F, Partly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2	Gallons in Well	0.46	
Static Water Level (ft-bmp)	9.85	Total Depth (ft-bmp)	12.68	Water Column (ft.)	2.83	Sample Method	Grab	
		Pump Intake (ft-bmp)	11.35	Purge Method	Low-Flow			
		Well Volumes Purged	3.74					
Sample Time:	Label	14:30	Volume Purged	1.72 gallons	Replicate/Code No.	--	Sampled by	Ellen Redner
	Purge Start	13:50						
	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
13:50	0	200	9.89	0.00	8.13	0.53	86.90	5.04	15.7	-51.8	Cloudy, Small Brown Particulates	No Odor
13:55	5	200	9.89	0.26	7.87	0.50	75.40	4.74	15.5	-44.6	Clear, Small Brown Particulates	No Odor
14:00	5	150	9.89	0.52	7.53	0.45	60.00	4.48	15.6	-53.7	Clear, Small Brown Particulates	No Odor
14:05	5	150	9.89	0.72	7.57	0.44	39.40	4.62	15.6	-53.9	Clear, Small Brown Particulates	No Odor
14:10	5	150	9.89	0.92	7.61	0.43	25.00	3.72	15.6	-55.2	Clear, Small Orange Particulates	No Odor
14:15	5	150	9.89	1.12	7.61	0.43	11.90	3.77	15.5	-46.9	Clear, Small Orange Particulates	No Odor
14:20	5	150	9.89	1.32	7.63	0.43	4.98	3.60	15.6	-41.0	Clear	No Odor
14:25	5	150	9.89	1.52	7.65	0.42	4.04	3.74	15.3	-42.4	Clear	No Odor
14:30	5	200	9.89	1.72	7.66	0.42	3.48	3.42	15.2	-40.0	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					
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:	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-185S			Date	11-6-20
Project Name/Location	Ford LTP		Weather		66 degrees F. Mostly 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)	9.10	Total Depth (ft-bmp)	10.63	Water Column (ft.)	1.53	Gallons in Well	0.25
		Pump Intake (ft-bmp)	10.60	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	4.80				
Sample Time:	Label	13:26	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:43					Gary Schafer
	Purge End	13:36					

[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-186S			Date	11-23-20
Project Name/Location	Ford LTP		Weather		43 degrees F. Mostly Cloudy		
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)	4.60	Total Depth (ft-bmp)	7.72	Water Column (ft.)	3.12	Gallons in Well	0.51
		Pump Intake (ft-bmp)	6.10	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.88				
Sample Time:	Label	14:15	Volume Purged	1.98 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:44					Emma Witherspoon
	Purge End	14:19					

[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
Condition of Well:	Good
Well Completion:	Flush mount



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-187	Date	11-23-20			
Project Name/Location	Ford LTP		Weather	37 degrees F, Fog/Mist				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	6.40	Total Depth (ft-bmp)	12.75	Water Column (ft.)	6.35			
		Pump Intake (ft-bmp)	10.50	Gallons in Well	1.03			
		Well Volumes Purged	2.52	Purge Method	Low-Flow			
				Sample Method	Grab			
Sample Time:	Label	12:00	Volume Purged	2.6 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	11:07						
	Purge End	12:04						

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
11:10	0	200	6.40	0.00	6.86	0.88	51.30	0.62	13.9	-89.0	Cloudy, Small Orange Particulates, Yell	No Odor
11:15	5	200	6.40	0.26	6.83	0.87	27.90	0.12	14.2	-93.0	Clear, Small Orange Particulates, Yell	No Odor
11:20	5	200	6.40	0.52	6.82	0.86	16.70	0.09	14.1	-93.0	Clear, Small Orange Particulates	No Odor
11:25	5	200	6.40	0.78	6.82	0.87	13.50	0.07	14.1	-93.4	Clear	No Odor
11:30	5	200	6.40	1.04	6.82	0.87	6.29	0.07	14.1	-94.0	Clear	No Odor
11:35	5	200	6.40	1.30	6.82	0.87	6.78	0.07	14.1	-93.4	Clear	No Odor
11:40	5	200	6.40	1.56	6.82	0.87	7.20	0.05	14.1	-93.3	Clear, Small Orange Particulates	No Odor
11:45	5	200	6.40	1.82	6.82	0.87	5.50	0.04	14.1	-92.8	Clear	No Odor
11:50	5	200	6.40	2.08	6.82	0.87	2.77	0.05	14.1	-92.8	Clear	No Odor
11:55	5	200	6.40	2.34	6.81	0.87	2.10	0.04	14.1	-92.1	Clear	No Odor
12:00	5	200	6.40	2.60	6.82	0.86	2.38	0.05	14.1	-93.5	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:	12335 Stark; 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

Page 1 of 1

Project No.	30050315.402.01	Well ID	MW-187S			Date	11-23-20
Project Name/Location	Ford LTP		Weather		42 degrees F. Mostly Cloudy		
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.)	2.33	Gallons in Well	0.38
		Pump Intake (ft-bmp)	7.90	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	4.13				
Sample Time:	Label	12:50	Volume Purged	1.57 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:18					Emma Witherspoon
	Purge End	12:55					

[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					
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-188S			Date	11-23-20
Project Name/Location	Ford LTP		Weather		37 degrees F. Fog/Mist		
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)	7.50	Water Column (ft.)	1.60	Gallons in Well	0.26
		Pump Intake (ft-bmp)	7.40	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	6.00				
Sample Time:	Label	10:30	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	9:51					Emma Witherspoon
	Purge End	10:32					

[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	Bolts added

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:	12421 Stark; back yard	Well Locked at Arrival:	no
Condition of Well:	Good, Missing bolts	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-189	Date	11-19-20			
Project Name/Location	Ford LTP		Weather	41 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	10-15	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	6.34	Total Depth (ft-bmp)	13.93	Water Column (ft.)	7.59			
		Pump Intake (ft-bmp)	12.50	Gallons in Well	1.23			
		Well Volumes Purged	1.98	Purge Method	Low-Flow			
Sample Time:	Label	10:17	Volume Purged	2.43 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	9:12						
	Purge End	10:21						

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
9:15	0	175	6.38	0.00	7.13	1.22	68.70	1.45	14.8	122.9	Clear, Small Orange Particulates, Yell	No Odor
9:20	5	150	6.36	0.23	7.09	1.06	55.50	0.70	14.5	-11.3	Clear, Small Orange Particulates, Yell	No Odor
9:25	5	150	6.36	0.43	7.11	1.07	41.80	0.60	14.4	-24.9	Clear, Small Orange Particulates	No Odor
9:30	5	150	6.36	0.63	7.11	1.07	33.00	0.55	14.5	-31.4	Clear, Small Orange Particulates	No Odor
9:35	5	150	6.36	0.83	7.12	1.07	32.10	0.51	14.5	-33.6	Clear, Small Orange Particulates	No Odor
9:40	5	150	6.36	1.03	7.19	1.07	22.60	0.47	14.6	-39.9	Clear, Small Orange Particulates	No Odor
9:45	5	150	6.36	1.23	7.14	1.07	19.50	0.46	14.6	-39.4	Clear, Small Orange Particulates	No Odor
9:50	5	150	6.36	1.43	7.14	1.08	15.60	0.44	14.7	-42.8	Clear, Small Orange Particulates	No Odor
9:55	5	150	6.36	1.63	7.15	1.08	14.30	0.43	14.8	-45.8	Clear, Small Orange Particulates	No Odor
10:00	5	150	6.36	1.83	7.15	1.08	13.20	0.41	14.8	-47.7	Clear, Small Orange Particulates	No Odor
10:05	5	150	6.36	2.03	7.15	1.08	10.40	0.40	14.8	-49.9	Clear, Small Orange Particulates	No Odor
10:10	5	150	6.36	2.23	7.16	1.08	10.50	0.41	14.9	-51.6	Clear, Small Orange Particulates	No Odor
10:15	5	150	6.36	2.43	7.16	1.09	33.30	0.40	14.9	-53.1	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

Well Information	Well Location:	12641 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-189S	Date	11-19-20			
Project Name/Location	Ford LTP			Weather	50 degrees F, Mostly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	6.45	Total Depth (ft-bmp)	9.06	Water Column (ft.)	2.61			
		Pump Intake (ft-bmp)	7.95	Purge Method	Low-Flow			
		Well Volumes Purged	5.24					
Sample Time:	Label	11:45	Volume Purged	2.2 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	10:42						
	Purge End	11:47						

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
10:45	0	150	6.58	0.00	7.08	1.44	5.39	1.09	14.9	23.4	Clear	No Odor
10:50	5	150	6.53	0.20	7.07	1.44	4.46	0.55	14.8	27.8	Clear, Small Orange Particulates	No Odor
10:55	5	150	6.53	0.40	7.09	1.44	2.93	0.52	14.7	31.9	Clear	No Odor
11:00	5	150	6.53	0.60	7.10	1.43	2.79	0.49	14.7	36.5	Clear	No Odor
11:05	5	150	6.53	0.80	7.11	1.42	2.13	0.47	14.8	39.5	Clear	No Odor
11:10	5	150	6.53	1.00	7.12	1.41	1.82	0.46	14.8	42.3	Clear	No Odor
11:15	5	150	6.53	1.20	7.12	1.40	13.00	0.45	14.9	43.7	Clear, Small Orange Particulates	No Odor
11:20	5	150	6.56	1.40	7.12	1.40	7.81	0.47	14.9	45.8	Clear	No Odor
11:25	5	150	6.56	1.60	7.13	1.38	5.38	0.47	15.0	46.3	Clear, Small Orange Particulates	No Odor
11:30	5	150	6.56	1.80	7.14	1.38	4.07	0.55	15.0	48.2	Clear	No Odor
11:35	5	150	6.56	2.00	7.14	1.37	2.94	0.54	15.0	49.2	Clear	No Odor
11:40	5	150	6.56	2.20	7.14	1.37	2.75	0.52	15.1	50.5	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:	12641 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-190	Date	11-18-20			
Project Name/Location	Ford LTP			Weather	33 degrees F, Mostly Clear			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-14	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	4.76	Total Depth (ft-bmp)	13.37	Water Column (ft.)	8.61			
		Pump Intake (ft-bmp)	11.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.71					
Sample Time:	Label	12:35	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	11:27						
	Purge End	12:38						

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
11:30	0	150	4.78	0.00	7.58	3.50	347.00	3.40	16.6	-77.0	Cloudy	No Odor
11:35	5	150	4.78	0.20	7.45	3.05	728.00	1.86	15.7	-77.5	Cloudy	No Odor
11:40	5	150	4.76	0.40	7.43	3.04	588.00	1.42	16.1	-78.6	Cloudy	No Odor
11:45	5	150	4.77	0.60	7.43	3.09	301.00	1.38	16.1	-79.6	Cloudy	No Odor
11:50	5	150	4.77	0.80	7.42	3.06	366.00	1.25	15.9	-80.0	Cloudy	No Odor
11:55	5	150	4.77	1.00	7.42	2.97	306.00	1.11	16.1	-80.0	Cloudy	No Odor
12:00	5	150	4.77	1.20	7.41	2.83	288.00	1.19	16.1	-79.8	Cloudy	No Odor
12:05	5	150	4.77	1.40	7.41	2.74	179.00	1.13	16.1	-79.0	Cloudy	No Odor
12:10	5	150	4.77	1.60	7.40	2.69	166.00	1.19	16.3	-78.5	Cloudy	No Odor
12:15	5	150	4.77	1.80	7.40	2.68	170.00	1.12	16.2	-78.3	Cloudy	No Odor
12:20	5	150	4.77	2.00	7.40	2.67	144.00	0.40	16.3	-78.3	Cloudy	No Odor
12:25	5	150	4.77	2.20	7.39	2.67	112.00	0.38	16.4	-78.4	Cloudy	No Odor
12:30	5	150	4.77	2.40	7.38	2.68	92.40	0.37	16.3	-78.8	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	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:	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	11-18-20			
Project Name/Location	Ford LTP			Weather	39 degrees F, Mostly Clear			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	4.76	Total Depth (ft-bmp)	6.82	Water Column (ft.)	2.06			
		Pump Intake (ft-bmp)	6.26	Gallons in Well	0.33			
		Well Volumes Purged	6.55	Purge Method	Low-Flow			
				Sample Method	Grab			
Sample Time:	Label	14:05	Volume Purged	2.16 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	12:55						
	Purge End	14:06						

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
13:00	0	200	4.77	0.00	7.42	0.93	124.00	1.05	16.0	-75.5	Cloudy, Small Orange Particulates	No Odor
13:05	5	125	4.77	0.26	7.38	0.91	58.20	0.65	15.8	-69.4	Clear, Small Orange Particulates	No Odor
13:10	5	125	4.77	0.43	7.38	0.90	52.30	0.54	15.6	-67.0	Clear, Small Orange Particulates	No Odor
13:15	5	125	4.77	0.60	7.37	0.90	35.20	0.49	15.8	-54.8	Clear, Small Orange Particulates	No Odor
13:20	5	125	4.77	0.77	7.38	0.89	20.00	0.44	15.6	-53.7	Clear, Small Orange Particulates	No Odor
13:25	5	125	4.77	0.94	7.38	0.89	25.70	0.44	15.6	-52.6	Clear	No Odor
13:30	5	125	4.77	1.11	7.38	0.89	36.70	0.39	16.0	-52.1	Clear	No Odor
13:35	5	125	4.77	1.28	7.36	0.90	57.10	0.38	15.8	-52.1	Clear	No Odor
13:40	5	125	4.77	1.45	7.37	0.89	69.40	0.37	15.6	-52.0	Clear	No Odor
13:45	5	125	4.77	1.62	7.37	0.89	83.30	0.37	15.7	-52.2	Clear	No Odor
13:50	5	150	4.77	1.79	7.38	0.88	92.40	0.36	15.7	-52.3	Clear	No Odor
13:55	5	125	4.77	1.99	7.37	0.88	94.30	0.36	15.9	-50.9	Clear	No Odor
14:00	5	125	4.77	2.16	7.37	0.89	1.17	0.37	16.0	-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	Thread tabs have broken bolts in them

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:	12725 Fairlane	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-191S			Date	11-23-20
Project Name/Location	Ford LTP		Weather		45 degrees F. Mostly Cloudy		
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)	4.50	Total Depth (ft-bmp)	6.80	Water Column (ft.)	2.30	Gallons in Well	0.37
		Pump Intake (ft-bmp)	6.00	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	4.22				
Sample Time:	Label	15:40	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	15:07					Emma Witherspoon
	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	2 broken bolts stuck in threads

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; side yard
Condition of Well:	Fair
Well Completion:	Flush mount



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-193S		Date	11-10-20	
Project Name/Location	Ford LTP		Weather	59 degrees F, Mostly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2	Gallons in Well	0.35	
Static Water Level (ft-bmp)	5.16	Total Depth (ft-bmp)	7.32	Water Column (ft.)	2.16	Sample Method	Grab	
		Pump Intake (ft-bmp)	6.60	Purge Method	Low-Flow			
		Well Volumes Purged	6.86					
Sample Time:	Label	9:25	Volume Purged	2.4 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	8:22						
	Purge End	9:30						

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
8:23	0	150	5.36	0.00	7.09	0.83	0.02	2.01	16.7	215.3	Clear	No Odor
8:28	5	150	5.38	0.20	6.81	0.67	0.02	1.28	16.6	220.5	Clear	No Odor
8:33	5	150	5.38	0.40	6.83	0.67	0.02	1.02	16.5	212.2	Clear	No Odor
8:38	5	150	5.38	0.60	6.86	0.67	0.02	0.86	16.6	157.3	Clear	No Odor
8:43	5	150	5.38	0.80	6.88	0.68	0.02	0.73	16.6	123.6	Clear	No Odor
8:48	5	150	5.38	1.00	6.90	0.70	0.02	0.69	16.6	100.4	Clear	No Odor
8:53	5	150	5.38	1.20	6.91	0.72	0.02	0.57	16.6	67.2	Clear	No Odor
8:58	5	150	5.38	1.40	6.93	0.74	0.02	0.54	16.7	57.3	Clear	No Odor
9:03	5	150	5.38	1.60	6.95	0.78	0.02	0.51	16.7	54.4	Clear	No Odor
9:08	5	150	5.38	1.80	6.96	0.80	0.02	0.50	16.7	50.0	Clear	No Odor
9:13	5	150	5.42	2.00	6.97	0.81	0.02	0.48	16.8	48.0	Clear	No Odor
9:18	5	150	5.41	2.20	6.98	0.83	0.02	0.48	16.9	47.0	Clear	No Odor
9:23	5	150	5.41	2.40	6.99	0.85	0.02	0.46	16.9	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

Well Information		
Well Location:	34940 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

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Project No.	30050315.402.01	Well ID	MW-202	Date	10-29-20			
Project Name/Location	Ford LTP			Weather	52 degrees F, Mostly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	5.29	Total Depth (ft-bmp)	16.46	Water Column (ft.)	11.17			
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.05					
Sample Time:	Label	16:20	Volume Purged	1.92 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	15:16						
	Purge End	16:22						

Xenia

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
15:17	0	118	5.33	0.00	7.62	3.65	7.35	1.77	17.0	64.6	Clear	No Odor
15:22	5	118	5.31	0.16	7.38	3.66	11.10	0.42	17.7	59.8	Clear	No Odor
15:27	5	118	5.30	0.32	7.20	3.61	7.34	0.32	17.8	-96.2	Clear	No Odor
15:32	5	118	5.30	0.48	7.22	3.61	3.78	0.31	17.8	-96.1	Clear	No Odor
15:37	5	118	5.34	0.64	7.22	3.60	2.79	0.30	17.9	-92.1	Clear	No Odor
15:42	5	118	5.31	0.80	7.23	3.60	1.14	0.45	17.8	-84.3	Clear	No Odor
15:47	5	118	5.30	0.96	7.23	3.58	1.63	0.60	17.7	-77.2	Clear	No Odor
15:52	5	118	5.32	1.12	7.21	3.57	0.48	0.66	17.8	-66.7	Clear	No Odor
15:57	5	118	5.30	1.28	7.20	3.57	0.57	0.63	17.3	-58.2	Clear	No Odor
16:02	5	118	5.30	1.44	7.21	3.53	0.02	0.76	17.7	-52.9	Clear	No Odor
16:07	5	118	5.31	1.60	7.22	3.53	0.25	0.77	17.8	-48.3	Clear	No Odor
16:12	5	118	5.31	1.76	7.23	3.52	0.52	0.67	17.6	-48.1	Clear	No Odor
16:17	5	118	3.51	1.92	7.24	3.53	0.44	0.65	17.2	-46.9	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
cis-1,2-DCE, trans-1,2-DCE, TCE, VC	40 mL Glass	3	HCL
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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:	12447 Levan parking lot	Well Locked at Arrival: yes
Condition of Well:	Good	Well Locked at Departure: yes
Well Completion:	Flush mount	Lock Functioning: yes



Aut

[illegible]

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

Constituents Sampled	Container	Number	Preservative
cis-1,2-DCE, trans-1,2-DCE, TCE, VC	40 mL Glass	3	HCL
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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-203	Date	10-29-20			
Project Name/Location	Ford LTP			Weather	46 degrees F, Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	13-18	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	4.96	Total Depth (ft-bmp)	17.41	Water Column (ft.)	12.45			
		Pump Intake (ft-bmp)	15.50	Purge Method	Low-Flow			
		Well Volumes Purged	0.95					
Sample Time:	Label	13:45	Volume Purged	1.92 gallons	Replicate/Code No.	DUP-17	Sampled by	Xenia Chan
	Purge Start	12:40						
	Purge End	13:50						

Xenia

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
12:42	0	118	5.10	0.00	7.65	6.40	28.60	1.57	18.2	95.7	Clear	No Odor
12:47	5	118	5.10	0.16	7.57	6.74	14.90	0.57	13.6	90.9	Clear	No Odor
12:52	5	118	5.10	0.32	7.55	6.89	13.10	0.17	18.6	87.3	Clear	No Odor
12:57	5	118	5.10	0.48	7.54	7.02	9.09	0.00	18.7	83.7	Clear	No Odor
13:02	5	118	5.10	0.64	7.53	7.10	5.53	0.00	18.4	79.7	Clear	No Odor
13:07	5	118	5.10	0.80	7.53	7.11	9.12	0.00	18.6	78.9	Clear	No Odor
13:12	5	118	5.10	0.96	7.52	7.14	9.13	0.00	18.7	74.7	Clear	No Odor
13:17	5	118	5.10	1.12	7.52	7.17	6.76	0.39	18.7	71.3	Clear	No Odor
13:22	5	118	5.10	1.28	7.52	7.20	6.08	0.00	18.7	68.0	Clear	No Odor
13:27	5	118	5.10	1.44	7.52	7.20	4.69	0.17	18.6	65.7	Clear	No Odor
13:32	5	118	5.10	1.60	7.52	7.23	4.40	0.20	18.6	57.8	Clear	No Odor
13:37	5	118	5.10	1.76	7.51	7.23	5.88	0.26	18.6	55.3	Clear	No Odor
13:42	5	118	5.10	1.92	7.51	7.22	5.55	0.19	18.5	53.7	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
cis-1,2-DCE, trans-1,2-DCE, TCE, VC	40 mL Glass	6	HCL
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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:	12447 Levan; Parking spot near gate	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-203S	Date	10-29-20			
Project Name/Location	Ford LTP			Weather	51 degrees F, Mostly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	4.93	Total Depth (ft-bmp)	8.89	Water Column (ft.)	3.96			
		Pump Intake (ft-bmp)	6.43	Purge Method	Low-Flow			
		Well Volumes Purged	2.00					
Sample Time:	Label	14:51	Volume Purged	1.28 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	14:04						
	Purge End	14:55						

Xenia

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
14:06	0	118	4.89	0.00	8.33	6.40	24.30	1.74	18.1	67.7	Clear	No Odor
14:11	5	118	4.89	0.16	8.25	6.54	28.70	1.20	18.6	71.4	Clear	No Odor
14:16	5	118	4.91	0.32	8.24	6.59	26.60	0.33	18.5	71.4	Clear	No Odor
14:21	5	118	4.91	0.48	8.24	6.74	23.40	1.52	18.5	72.4	Clear	No Odor
14:26	5	118	4.90	0.64	8.15	7.19	20.20	0.49	18.6	53.0	Clear	No Odor
14:31	5	118	4.90	0.80	8.02	7.31	14.90	0.45	18.6	-39.3	Clear	No Odor
14:36	5	118	4.90	0.96	7.98	7.29	12.20	0.39	18.4	-49.4	Clear	No Odor
14:41	5	118	4.90	1.12	7.98	7.26	11.30	0.43	18.2	-45.0	Clear	No Odor
14:46	5	118	4.92	1.28	7.98	7.17	11.70	0.49	18.6	-53.4	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
cis-1,2-DCE, trans-1,2-DCE, TCE, VC	40 mL Glass	3	HCL
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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:	12447 Levan; parking lot near gate	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-206	Date	10-29-20			
Project Name/Location	Ford LTP			Weather	44 degrees F, Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	14-19	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	9.24	Total Depth (ft-bmp)	18.19	Water Column (ft.)	8.95			
		Pump Intake (ft-bmp)	16.50	Gallons in Well	1.45			
		Well Volumes Purged	1.32	Purge Method	Low-Flow			
Sample Time:	Label	10:16	Volume Purged	1.92 gallons	Replicate/Code No.	DUP-16	Sampled by	Xenia Chan
	Purge Start	9:08						
	Purge End	10:19						

Xenia

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
9:11	0	118	9.29	0.00	7.07	2.15	113.00	1.04	16.7	159.4	Clear, Small Orange Particulates	No Odor
9:16	5	118	9.29	0.16	7.05	2.17	115.00	0.03	17.1	57.9	Clear, Small Orange Particulates	No Odor
9:21	5	118	9.29	0.32	7.06	2.14	91.90	0.00	17.2	-11.9	Clear, Small Orange Particulates	No Odor
9:26	5	118	9.29	0.48	7.08	2.07	59.80	0.00	17.2	-24.3	Clear, Small Orange Particulates	No Odor
9:31	5	118	9.29	0.64	7.09	1.99	34.50	0.46	17.3	-13.8	Clear	No Odor
9:36	5	118	9.29	0.80	7.12	1.88	21.70	0.45	17.3	-13.9	Clear	No Odor
9:41	5	118	9.29	0.96	7.13	1.80	14.40	0.49	17.3	-5.5	Clear	No Odor
9:46	5	118	9.29	1.12	7.15	1.75	12.30	0.37	17.2	5.7	Clear	No Odor
9:51	5	118	9.29	1.28	7.14	1.73	8.33	0.00	17.3	11.5	Clear	No Odor
9:56	5	118	9.29	1.44	7.15	1.70	6.60	0.00	17.3	18.1	Clear	No Odor
10:01	5	118	9.29	1.60	7.14	1.69	7.13	0.31	17.3	24.7	Clear	No Odor
10:06	5	118	9.29	1.76	7.15	1.68	7.38	0.00	17.4	28.5	Clear	No Odor
10:11	5	118	9.29	1.92	7.15	1.67	4.47	1.01	17.4	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
cis-1,2-DCE, trans-1,2-DCE, TCE, VC	40 mL Glass	6	HCL
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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:	Near dumpsters of 12447 Levan parking lot	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-206S	Date	10-29-20			
Project Name/Location	Ford LTP			Weather	44 degrees F, Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6.5-11.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	9.18	Total Depth (ft-bmp)	11.45	Water Column (ft.)	2.27			
		Pump Intake (ft-bmp)	10.68	Gallons in Well	0.37			
		Well Volumes Purged	5.19	Purge Method	Low-Flow			
Sample Time:	Label	11:42	Volume Purged	1.92 gallons	Replicate/Code No.	--	Sampled by	Xenia Chan
	Purge Start	10:34						
	Purge End	11:45						

Xenia

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
10:37	0	118	9.18	0.00	6.30	3.86	1040.00	2.37	17.6	-23.8	Orange	No Odor
10:42	5	118	9.18	0.16	6.81	3.63	1060.00	3.54	18.1	-32.5	Orange, Small Black Particulates	No Odor
10:47	5	118	9.18	0.32	7.09	3.55	282.00	3.50	18.2	-31.4	Orange, Small Black Particulates	No Odor
10:52	5	118	9.18	0.48	7.17	3.45	351.00	3.63	18.2	-11.6	Cloudy, Orange	No Odor
10:57	5	118	9.18	0.64	7.21	3.32	198.00	3.36	18.0	3.0	Cloudy, Orange, Small Orange Particulates	No Odor
11:02	5	118	9.18	0.80	7.25	3.18	67.50	3.32	17.9	12.1	Clear, Small Orange Particulates	No Odor
11:07	5	118	9.18	0.96	7.27	3.09	56.70	0.52	17.8	22.5	Clear, Small Orange Particulates	No Odor
11:12	5	118	9.18	1.12	7.21	2.99	223.00	0.50	18.0	3.1	Orange	No Odor
11:17	5	118	9.18	1.28	7.28	2.86	74.00	0.72	18.1	5.6	Clear, Small Orange Particulates	No Odor
11:22	5	118	9.18	1.44	7.31	2.79	48.80	4.21	18.2	22.6	Clear, Small Orange Particulates	No Odor
11:27	5	118	9.18	1.60	7.31	2.75	61.00	4.01	17.2	38.1	Clear, Small Orange Particulates	No Odor
11:32	5	118	9.18	1.76	7.32	2.68	24.80	4.63	17.9	39.2	Clear, Small Orange Particulates	No Odor
11:37	5	118	9.18	1.92	7.33	2.63	80.10	4.43	18.1	44.3	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
cis-1,2-DCE, trans-1,2-DCE, TCE, VC	40 mL Glass	3	HCL
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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:	12447 Levan parking lot near dumpster	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	11-19-20			
Project Name/Location	Ford LTP			Weather	57 degrees F. Mostly Cloudy and Windy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	8.55	Total Depth (ft-bmp)	8.77	Water Column (ft.)	0.22			
		Pump Intake (ft-bmp)	8.60	Purge Method	Low-Flow			
		Well Volumes Purged	47.75					
Sample Time:	Label	14:15	Volume Purged	1.91 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	13:18						
	Purge End	14:17						

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
13:20	0	150	8.73	0.00	7.85	0.62	338.00	7.53	16.4	92.8	Brown, Cloudy, Small Brown Particulates	No Odor
13:25	5	150	8.77	0.20	7.78	0.63	123.00	6.59	15.8	23.4	Cloudy, Small Brown Particulates	No Odor
13:30	5	150	8.77	0.40	7.74	0.63	30.60	7.69	15.9	18.4	Clear, Small Brown Particulates	No Odor
13:35	5	150	8.77	0.60	7.73	0.62	9.90	7.73	16.0	12.7	Clear, Small Brown Particulates	No Odor
13:40	5	150	8.77	0.80	7.74	0.63	13.90	7.75	15.6	7.5	Clear, Small Brown Particulates	No Odor
13:45	5	150	8.77	1.00	7.76	0.63	17.80	6.67	15.6	9.4	Clear, Small Brown Particulates	No Odor
13:50	5	150	8.77	1.20	7.76	0.62	8.20	6.89	15.7	17.8	Clear	No Odor
13:55	5	125	8.77	1.40	7.72	0.62	5.26	7.94	15.8	20.1	Clear, Small Brown Particulates	No Odor
14:00	5	125	8.77	1.57	7.70	0.62	2.96	8.40	15.7	19.5	Clear, Small Brown Particulates	No Odor
14:05	5	125	8.77	1.74	7.68	0.61	4.49	8.48	15.6	18.2	Clear, Small Brown Particulates	No Odor
14:10	5	125	8.77	1.91	7.67	0.61	2.85	8.51	15.5	18.0	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:	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	11-5-20			
Project Name/Location	Ford LTP			Weather	57 degrees F, Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5.5-10.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	8.56	Total Depth (ft-bmp)	10.92	Water Column (ft.)	2.36			
		Pump Intake (ft-bmp)	9.50	Gallons in Well	0.38			
		Well Volumes Purged	6.58	Purge Method	Low-Flow			
				Sample Method	Grab			
Sample Time:	Label	12:30	Volume Purged	2.5 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	11:26						
	Purge End	12:33						

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
11:27	0	225	8.61	0.00	6.87	3.79	64.90	1.20	19.1	-29.6	Small Orange Particulates, Sm all White	No Odor
11:32	5	150	8.60	0.30	6.90	3.74	67.20	0.66	19.0	-47.0	Clear, Small Orange Particulates, Sm	No Odor
11:37	5	150	8.60	0.50	6.94	3.72	43.00	0.57	19.0	-44.2	Clear, Small White Particulates	No Odor
11:42	5	150	8.60	0.70	6.96	3.07	20.00	0.45	19.0	-50.1	Clear	No Odor
11:47	5	150	8.60	0.90	6.98	3.67	17.60	0.42	19.0	-53.1	Clear	No Odor
11:52	5	150	8.60	1.10	6.99	3.64	15.80	0.40	19.0	-55.3	Clear, Small White Particulates	No Odor
11:57	5	150	8.58	1.30	7.00	3.61	12.20	0.40	19.0	-55.0	Clear	No Odor
12:02	5	150	8.59	1.50	7.01	3.59	9.34	0.41	19.1	-53.4	Clear	No Odor
12:07	5	150	8.60	1.70	7.02	3.58	7.88	0.41	19.0	-52.1	Clear	No Odor
12:12	5	150	8.60	1.90	7.03	3.56	8.15	0.41	19.0	-51.4	Clear	No Odor
12:17	5	150	8.60	2.10	7.04	3.55	5.78	0.43	19.0	-50.5	Clear	No Odor
12:22	5	150	8.60	2.30	7.05	3.54	7.38	0.43	19.0	-51.0	Clear	No Odor
12:27	5	150	8.60	2.50	7.10	3.54	5.43	0.41	19.1	-54.4	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:	12400 Belden	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-215S		Date	11-19-20
Project Name/Location	Ford LTP		Weather		55 cloudy	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2	Well Material
Static Water Level (ft-bmp)	6.62	Total Depth (ft-bmp)	7.61	Water Column (ft.)	0.99	Gallons in Well
		Pump Intake (ft-bmp)	7.00	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	4.88			
Sample Time:	Label	15:40	Volume Purged	0.78 gallons	Replicate/Code No.	--
	Purge Start	15:04				
	Purge End	15:43				

[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:	35000 Plymouth
Condition of Well:	Good
Well Completion:	Flush mount



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-216S	Date	11-4-20			
Project Name/Location	Ford LTP			Weather	64 degrees F. Clear			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-11	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	9.28	Total Depth (ft-bmp)	10.40	Water Column (ft.)	1.12			
		Pump Intake (ft-bmp)	9.84	Purge Method	Low-Flow			
		Well Volumes Purged	10.00					
Sample Time:	Label	14:51	Volume Purged	1.8 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	13:48						
	Purge End	14:56						

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
13:50	0	110	9.28	0.00	7.39	0.34	11.70	0.76	13.3	68.9	Turbid	No Odor
13:55	5	110	9.30	0.15	7.37	0.35	7.66	0.70	13.2	64.0	Clear	No Odor
14:00	5	110	9.30	0.30	7.42	0.36	4.99	0.65	13.1	52.5	Clear	No Odor
14:05	5	110	9.33	0.45	7.48	0.37	2.76	0.31	13.1	38.8	Clear	No Odor
14:10	5	110	9.33	0.60	7.52	0.38	2.00	0.77	13.1	22.2	Clear	No Odor
14:15	5	110	9.33	0.75	7.54	0.38	1.74	0.21	13.1	5.4	Clear	No Odor
14:20	5	110	9.33	0.90	7.51	0.38	2.88	0.48	13.0	-1.2	Clear	No Odor
14:25	5	110	9.33	1.05	7.43	0.38	1.80	0.43	13.0	-6.9	Clear	No Odor
14:30	5	110	9.33	1.20	7.47	0.39	1.19	0.40	13.0	-23.6	Clear	No Odor
14:35	5	110	9.33	1.35	7.53	0.39	1.54	0.43	13.1	-41.4	Clear	No Odor
14:40	5	110	9.33	1.50	7.54	0.39	1.36	0.42	13.1	-45.7	Clear	No Odor
14:45	5	110	9.33	1.65	7.56	0.39	1.41	0.39	13.0	-52.3	Clear	No Odor
14:50	5	110	9.33	1.80	7.53	0.39	1.73	0.44	13.0	-55.9	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:	34851 Wadsworth	Well Locked at Arrival:
Condition of Well:	Good	Well Locked at Departure:
Well Completion:	Flush mount	Lock Functioning:



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-217S	Date	11-3-20			
Project Name/Location	Ford LTP	Weather	56 degrees F. Clear	Well Material	PVC			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	6-11	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	8.84	Total Depth (ft-bmp)	10.24	Water Column (ft.)	1.40			
		Pump Intake (ft-bmp)	9.54	Gallons in Well	0.23			
		Well Volumes Purged	5.87	Purge Method	Low-Flow			
Sample Time:	Label	15:06	Volume Purged	1.35 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	14:17						
	Purge End	15:15						

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
14:20	0	110	8.48	0.00	7.40	0.53	246.00	1.43	13.2	93.8	Brown, Cloudy	No Odor
14:25	5	110	8.50	0.15	7.48	0.56	183.00	1.11	13.3	56.6	Brown, Cloudy	No Odor
14:30	5	110	8.50	0.30	7.57	0.57	97.40	0.20	13.2	8.0	Brown, Turbid	No Odor
14:35	5	110	8.50	0.45	7.63	0.57	41.60	2.50	13.2	-20.1	Turbid	No Odor
14:40	5	110	8.50	0.60	7.64	0.56	31.90	0.31	13.2	-39.8	Turbid	No Odor
14:45	5	110	8.50	0.75	7.68	0.55	11.50	0.24	13.2	-48.1	Clear	No Odor
14:50	5	110	8.50	0.90	7.64	0.54	6.97	0.22	13.2	-44.1	Clear	No Odor
14:55	5	110	8.50	1.05	7.67	0.53	5.39	0.26	13.2	-41.3	Clear	No Odor
15:00	5	110	8.50	1.20	7.66	0.53	5.54	0.23	13.2	-36.7	Clear	No Odor
15:05	5	110	8.50	1.35	7.67	0.53	5.15	0.20	13.2	-34.0	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: Sand around casing had to remove some

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; back yard	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	11-5-20			
Project Name/Location	Ford LTP			Weather	61 degrees F, Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8.5-13.5	Casing Diameter (in.)	2			
Static Water Level (ft-bmp)	11.42	Total Depth (ft-bmp)	13.22	Water Column (ft.)	1.80			
		Pump Intake (ft-bmp)	12.42	Gallons in Well	0.29			
		Well Volumes Purged	8.59	Purge Method	Low-Flow			
Sample Time:	Label	14:25	Volume Purged	2.49 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	13:18						
	Purge End	14:26						

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
13:20	0	175	11.55	0.00	7.38	3.75	377.00	2.55	18.4	6.9	Cloudy, Yellow	No Odor
13:25	5	150	11.54	0.23	7.34	3.82	187.00	0.82	18.3	-16.1	Cloudy, Yellow	No Odor
13:30	5	150	11.54	0.43	7.33	3.91	94.00	0.74	18.3	-34.5	Clear	No Odor
13:35	5	150	11.52	0.63	7.33	3.89	66.80	0.59	18.3	-39.1	Cloudy, Small White Particulates, Yell	No Odor
13:40	5	200	11.56	0.83	7.34	3.87	43.80	0.76	18.3	-36.2	Clear, Small White Particulates	No Odor
13:45	5	150	11.57	1.09	7.37	3.61	22.30	0.72	18.4	-17.8	Clear, Small White Particulates	No Odor
13:50	5	150	11.57	1.29	7.37	3.42	11.90	0.61	18.4	-21.6	Clear, Small White Particulates	No Odor
13:55	5	150	11.58	1.49	7.37	3.27	8.37	0.53	18.3	-26.0	Clear	No Odor
14:00	5	150	11.57	1.69	7.38	3.13	4.51	0.51	18.4	-20.4	Clear, Small White Particulates	No Odor
14:05	5	150	11.59	1.89	7.38	3.01	3.40	0.48	18.3	-20.6	Clear, Small White Particulates	No Odor
14:10	5	150	11.61	2.09	7.38	2.99	4.73	0.54	18.3	-18.8	Clear	No Odor
14:15	5	150	11.62	2.29	7.38	2.92	6.89	0.49	18.3	-18.0	Clear, Small White Particulates	No Odor
14:20	5	150	11.61	2.49	7.38	2.88	6.42	0.48	18.3	-17.0	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:	35000 Plymouth	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-225S		Date	11-10-20	
Project Name/Location	Ford LTP		Weather	67 degrees F, Partly 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	0.22	
Static Water Level (ft-bmp)	8.19	Total Depth (ft-bmp)	9.53	Water Column (ft.)	1.34	Sample Method	Grab	
		Pump Intake (ft-bmp)	8.86	Purge Method	Low-Flow			
		Well Volumes Purged	7.55					
Sample Time:	Label	11:35	Volume Purged	1.66 gallons	Replicate/Code No.	--	Sampled by	Ellen Redner
	Purge Start	10:50						
	Purge End	11:40						

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
10:55	0	200	8.36	0.00	7.88	0.35	115.00	4.93	16.4	4.1	Cloudy	No Odor
11:00	5	150	8.38	0.26	7.82	0.28	42.00	4.26	16.4	11.2	Clear	No Odor
11:05	5	150	8.39	0.46	7.74	0.27	23.80	4.08	16.4	20.0	Clear	No Odor
11:10	5	150	8.39	0.66	7.81	0.27	9.49	4.29	16.3	18.6	Clear	No Odor
11:15	5	150	8.39	0.86	7.84	0.27	6.70	4.25	16.3	18.4	Clear	No Odor
11:20	5	150	8.39	1.06	7.84	0.27	4.29	4.28	16.4	18.4	Clear	No Odor
11:25	5	150	8.40	1.26	7.86	0.27	8.25	4.13	16.4	18.7	Clear	No Odor
11:30	5	150	8.21	1.46	7.87	0.27	8.86	4.16	16.3	17.7	Clear	No Odor
11:35	5	150	8.41	1.66	7.86	0.27	8.11	4.10	16.6	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	Good

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:	34800 Standish; front yard	Well Locked at Arrival: no
Condition of Well:	Good	Well Locked at Departure: n/a
Well Completion:	Flush mount	Lock Functioning: n/a



Project No.	30050315.402.01	Well ID	MW-72			Date	11-17-20
Project Name/Location	Ford LTP		Weather		33 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Well Material	
Static Water Level (ft-bmp)	9.27	Total Depth (ft-bmp)	19.62	Water Column (ft.)	10.35	Gallons in Well	
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	0.68			Grab	
Sample Time:	Label	Volume Purged	1.14 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	12:37				Allyson Hartz	
	Purge End	13:19					

[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

Both thread tabs broken

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:	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

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Project No.	30050315.402.01	Well ID	MW-72S			Date	11-17-20
Project Name/Location	Ford LTP		Weather		33 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2.0	Well Material	
Static Water Level (ft-bmp)	9.45	Total Depth (ft-bmp)	13.01	Water Column (ft.)	3.56	Gallons in Well	
		Pump Intake (ft-bmp)	10.95	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	2.86			Grab	
Sample Time:	Label	Volume Purged	1.66 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	13:47				Allyson Hartz	
	Purge End	14:38					

[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

2 broken thread tabs, vault full of water. Purged vault before opening J-plug.

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:	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

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Project No.	30050315.402.01	Well ID	MW-73D	Date	11-17-20			
Project Name/Location	Ford LTP			Weather	34 degrees F, Light Snow			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	13.5-18.5	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	7.11	Total Depth (ft-bmp)	17.37	Water Column (ft.)	10.26			
		Pump Intake (ft-bmp)	16.00	Gallons in Well	1.67			
		Well Volumes Purged	1.29	Purge Method	Low-Flow			
Sample Time:	Label	9:55	Volume Purged	2.16 gallons	Replicate/Code No.	DUP-12	Sampled by	Allyson Hartz
	Purge Start	8:51						
	Purge End	9:58						

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
8:52	0	200	7.33	0.00	7.76	4.53	1.29	1.64	15.2	-90.5	Clear, Small White Particulates	No Odor
8:57	5	125	7.21	0.26	7.79	4.53	19.10	1.36	15.4	-127.5	Clear, Small Black Particulates	No Odor
9:02	5	125	7.21	0.43	7.78	4.67	18.50	1.02	14.5	-126.5	Clear, Small Black Particulates	No Odor
9:07	5	125	7.21	0.60	7.77	4.80	16.50	0.98	14.4	-125.1	Clear, Small Black Particulates	No Odor
9:12	5	125	7.21	0.77	7.74	5.01	14.60	0.85	14.4	-123.9	Clear, Small Black Particulates	No Odor
9:17	5	125	7.21	0.94	7.71	5.34	14.50	0.92	14.6	-121.5	Clear, Small Black Particulates	No Odor
9:22	5	125	7.21	1.11	7.69	5.61	11.00	0.87	14.5	-119.5	Clear, Small Black Particulates	No Odor
9:27	5	125	7.21	1.28	7.71	5.99	11.60	0.80	14.6	-118.2	Clear, Small Black Particulates	No Odor
9:32	5	125	7.21	1.45	7.65	6.40	8.20	0.77	14.6	-114.2	Clear, Small Black Particulates	No Odor
9:37	5	125	7.21	1.62	7.62	6.67	6.74	17.30	14.5	-111.8	Clear, Small Black Particulates	No Odor
9:42	5	125	7.21	1.79	7.61	6.89	6.15	0.70	14.4	-109.1	Clear, Small Black Particulates	No Odor
9:47	5	125	7.21	1.96	7.61	6.97	4.76	0.69	14.4	-108.4	Clear, Small Black Particulates	No Odor
9:52	5	125	7.21	2.16	7.59	7.08	4.78	0.68	14.0	-106.1	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	6	HCL
1,4-dioxane	40 mL Glass	6	HCL
Comments	Both thread tabs broken		

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

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Project No.	30050315.402.01		Well ID	MW-73SR		Date	11-17-20	
Project Name/Location	Ford LTP		Weather	33 degrees F, Partly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	Gallons in Well	0.85	
Static Water Level (ft-bmp)	7.14	Total Depth (ft-bmp)	12.39	Water Column (ft.)	5.25	Sample Method	Grab	
		Pump Intake (ft-bmp)	8.64	Purge Method	Low-Flow			
		Well Volumes Purged	2.18					
Sample Time:	Label	11:35	Volume Purged	1.85 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	10:38						
	Purge End	11:39						

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	200	7.16	0.00	6.90	7.71	16.30	2.19	15.1	37.3	Clear, Small Orange Particulates	No Odor
10:45	5	125	7.17	0.26	6.94	8.85	12.20	0.82	14.3	28.0	Clear, Small Orange Particulates	No Odor
10:50	5	125	7.16	0.43	6.96	8.85	10.90	0.69	14.1	16.1	Clear, Small Orange Particulates	No Odor
10:55	5	125	7.16	0.60	6.98	8.98	8.06	0.50	14.0	-0.3	Clear, Small Orange Particulates	No Odor
11:00	5	125	7.16	0.77	6.99	9.05	6.83	0.47	14.0	-5.1	Clear, Small Orange Particulates	No Odor
11:05	5	125	7.16	0.94	6.99	9.22	5.90	0.43	14.1	-8.7	Clear, Small Orange Particulates	No Odor
11:10	5	125	7.16	1.11	7.00	9.24	5.99	0.42	14.3	-12.8	Clear	No Odor
11:15	5	125	7.16	1.28	7.00	9.32	5.59	0.43	13.2	-12.7	Clear	No Odor
11:20	5	150	7.16	1.45	7.00	9.35	3.67	0.38	14.7	-14.4	Clear	No Odor
11:25	5	150	7.16	1.65	7.00	9.36	2.62	0.35	15.1	-17.1	Clear	No Odor
11:30	5	150	7.16	1.85	7.00	9.33	2.60	0.35	15.1	-18.9	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:	Belden 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-74		Date	11-16-20	
Project Name/Location	Ford LTP		Weather	37 degrees F, Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	14-19	Casing Diameter (in.)	2.0	Gallons in Well	1.77	
Static Water Level (ft-bmp)	7.89	Total Depth (ft-bmp)	18.77	Water Column (ft.)	10.88	Sample Method	Grab	
		Pump Intake (ft-bmp)	16.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.02					
Sample Time:	Label	12:55	Volume Purged	1.8 gallons	Replicate/Code No.	DUP-11	Sampled by	Allyson Hartz
	Purge Start	12:02						
	Purge End	12:58						

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
12:05	0	150	7.94	0.00	7.26	7.83	14.70	1.86	15.5	-85.3	Clear, Small Black Particulates,	No Odor
12:10	5	150	7.94	0.20	7.22	6.82	9.36	0.78	15.7	-98.6	Clear, Small Black Particulates,	No Odor
12:15	5	150	7.94	0.40	7.22	6.82	7.32	0.69	15.7	-99.4	Clear, Small Orange Particulates,	No Odor
12:20	5	150	7.94	0.60	7.21	7.01	6.62	0.71	15.8	-99.5	Clear, Small Orange Particulates,	No Odor
12:25	5	150	7.94	0.80	7.20	7.26	5.04	0.69	15.9	-99.9	Clear, Small Orange Particulates,	No Odor
12:30	5	150	7.94	1.00	7.19	7.50	4.33	0.72	15.9	-100.6	Clear, Small Black Particulates,	No Odor
12:35	5	150	7.94	1.20	7.19	7.62	3.78	0.60	15.8	-100.9	Clear, Small Black Particulates,	No Odor
12:40	5	150	7.94	1.40	7.19	7.67	4.23	0.47	15.7	-101.0	Clear, Small Black Particulates,	No Odor
12:45	5	150	7.94	1.60	7.18	7.78	4.15	0.39	15.6	-101.1	Clear, Small Orange Particulates,	No Odor
12:50	5	150	7.94	1.80	7.18	7.79	4.48	0.38	15.5	-100.9	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	Only 1 thread tab with bolt stuck in it		

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-74S		Date	11-16-20
Project Name/Location	Ford LTP		Weather		37 degrees F	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2.0	PVC
Static Water Level (ft-bmp)	7.92	Total Depth (ft-bmp)	12.87	Water Column (ft.)	4.95	Gallons in Well
		Pump Intake (ft-bmp)	9.42	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	1.86			Grab
Sample Time:	Label	11:27	Volume Purged	1.49 gallons	Replicate/Code No.	
	Purge Start	10:45			--	Sampled by
	Purge End	11:30				Allyson Hartz

[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 have broken bolts in them

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:	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-75D	Date	11-13-20			
Project Name/Location	Ford LTP			Weather	46 degrees F, Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	6.65	Total Depth (ft-bmp)	16.83	Water Column (ft.)	10.18			
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.45					
Sample Time:	Label	14:00	Volume Purged	2.4 gallons	Replicate/Code No.	DUP-13	Sampled by	Allyson Hartz
	Purge Start	12:53						
	Purge End	14:05						

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
12:55	0	200	6.76	0.00	7.71	6.16	726.00	1.48	16.2	-131.2	Cloudy, Gray	No Odor
13:00	5	125	6.65	0.26	7.79	6.20	684.00	0.79	15.8	-150.3	Cloudy, Gray	No Odor
13:05	5	125	6.65	0.43	7.81	6.19	646.00	0.64	15.6	-151.7	Cloudy, Gray	No Odor
13:10	5	150	6.67	0.60	7.81	6.13	616.00	0.59	15.9	-154.0	Cloudy, Gray	No Odor
13:15	5	150	6.67	0.80	7.81	6.13	555.00	0.53	15.7	-153.7	Cloudy, Gray	No Odor
13:20	5	150	6.67	1.00	7.81	6.11	607.00	0.50	15.5	-153.3	Cloudy, Gray	No Odor
13:25	5	150	6.67	1.20	7.81	6.09	552.00	0.47	15.7	-152.7	Cloudy, Gray	No Odor
13:30	5	150	6.67	1.40	7.80	6.09	528.00	0.46	15.8	-152.2	Cloudy, Gray	No Odor
13:35	5	150	6.67	1.60	7.79	6.00	471.00	0.47	15.4	-151.2	Cloudy, Gray	No Odor
13:40	5	150	6.67	1.80	7.79	5.95	486.00	0.43	15.7	-150.2	Cloudy, Gray	No Odor
13:45	5	150	6.67	2.00	7.79	5.90	408.00	0.37	16.2	-150.5	Cloudy, Gray	No Odor
13:50	5	150	6.67	2.20	7.78	5.90	385.00	0.35	16.2	-150.1	Cloudy, Gray	No Odor
13:55	5	150	6.67	2.40	7.80	5.95	339.00	0.36	16.0	-149.5	Cloudy, Gray	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

Both thread tabs are 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:	Belden ROW	Well Locked at Arrival:	yes
Condition of Well:	Broken thread tabs	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-75SR		Date	11-13-20	
Project Name/Location	Ford LTP		Weather	43 degrees F, Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	Well Material	PVC	
Static Water Level (ft-bmp)	6.69	Total Depth (ft-bmp)	12.37	Water Column (ft.)	5.68	Gallons in Well	0.92	
		Pump Intake (ft-bmp)	8.19	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.77					
Sample Time:	Label	12:10	Volume Purged	2.55 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	11:03						
	Purge End	12:12						

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
11:05	0	175	6.70	0.00	7.64	1.66	0.02	2.62	15.8	-88.2	Clear, Small Orange Particulates	No Odor
11:10	5	150	6.70	0.23	7.55	1.69	0.02	0.98	15.7	-100.7	Clear, Small Black Particulates	No Odor
11:15	5	150	6.70	0.43	7.54	1.75	0.02	0.69	16.0	-102.7	Clear, Small Orange Particulates	No Odor
11:20	5	150	6.70	0.63	7.60	1.84	0.02	0.57	16.0	-94.2	Clear	No Odor
11:25	5	150	6.70	0.83	7.61	1.94	0.02	0.51	16.0	-96.6	Clear	No Odor
11:30	5	150	6.70	1.03	7.63	2.07	0.02	0.46	15.8	-92.3	Clear	No Odor
11:35	5	200	6.70	1.23	7.64	2.18	0.02	0.45	15.9	-86.7	Clear	No Odor
11:40	5	175	6.70	1.49	7.64	2.24	0.02	0.43	16.0	-85.3	Clear	No Odor
11:45	5	175	6.70	1.72	7.65	2.29	0.02	0.40	15.9	-83.2	Clear	No Odor
11:50	5	150	6.70	1.95	7.66	2.34	0.02	0.40	15.8	-84.4	Clear	No Odor
11:55	5	150	6.70	2.15	7.65	2.38	0.02	0.39	15.7	-85.8	Clear	No Odor
12:00	5	150	6.70	2.35	7.65	2.43	0.02	0.38	15.7	-88.8	Clear	No Odor
12:05	5	150	6.70	2.55	7.65	2.47	0.02	0.36	15.8	-90.3	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	Bolt holes have broken bolts stuck in the thread tabs		

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, Missing bolts	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-76			Date	11-12-20
Project Name/Location	Ford LTP		Weather		39 degrees F. Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	15-20	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	10.21	Total Depth (ft-bmp)	19.62	Water Column (ft.)	9.41	Gallons in Well	1.53
		Pump Intake (ft-bmp)	17.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.82				
Sample Time:	Label	12:35	Volume Purged	1.26 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	23:59					Allyson Hartz
	Purge End	12:37					

[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:	Plymouth 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-76S	Date	11-12-20			
Project Name/Location	Ford LTP			Weather	36 degrees F, Mostly Clear			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-14.5	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	10.12	Total Depth (ft-bmp)	14.17	Water Column (ft.)	4.05			
		Pump Intake (ft-bmp)	11.62	Gallons in Well	0.66			
		Well Volumes Purged	3.73	Purge Method	Low-Flow			
Sample Time:	Label	11:40	Volume Purged	2.46 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	10:33						
	Purge End	11:42						

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
10:35	0	200	10.14	0.00	7.46	3.69	243.00	1.37	17.2	210.9	Cloudy, Gray, Small Black Particulates,	No Odor
10:40	5	150	10.14	0.26	7.43	4.21	194.00	0.94	17.1	83.0	Cloudy, Gray, Small Black Particulates,	No Odor
10:45	5	150	10.14	0.46	7.46	4.33	150.00	0.90	16.8	30.6	Clear, Small Black Particulates	No Odor
10:50	5	150	10.14	0.66	7.48	4.32	121.00	0.82	16.9	25.4	Clear, Small Black Particulates	No Odor
10:55	5	150	10.14	0.86	7.48	4.42	83.80	0.72	17.0	21.4	Clear, Small Black Particulates	No Odor
11:00	5	150	10.14	1.06	7.48	4.43	55.30	0.70	16.9	-2.0	Clear, Small Black Particulates	No Odor
11:05	5	150	10.14	1.26	7.48	4.51	43.10	0.64	17.1	-13.7	Clear, Small Black Particulates	No Odor
11:10	5	150	10.14	1.46	7.49	4.52	40.00	0.61	17.1	-33.1	Clear, Small Black Particulates	No Odor
11:15	5	150	10.14	1.66	7.48	4.61	31.20	0.57	17.2	-39.0	Clear, Small Black Particulates	No Odor
11:20	5	150	10.14	1.86	7.48	4.64	12.10	0.55	17.1	-44.1	Clear, Small Black Particulates	No Odor
11:25	5	150	10.14	2.06	7.48	4.67	0.02	0.55	17.1	-45.8	Clear, Small Black Particulates	No Odor
11:30	5	150	10.14	2.26	7.47	4.73	0.02	0.54	17.1	-49.3	Clear, Small Black Particulates	No Odor
11:35	5	150	10.14	2.46	7.47	4.75	3.81	0.53	17.1	-49.0	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:	Plymouth 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-77	Date	11-19-20			
Project Name/Location	Ford LTP		Weather	63 degrees F, Mostly Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	9-14	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	5.85	Total Depth (ft-bmp)	13.75	Water Column (ft.)	7.90			
		Pump Intake (ft-bmp)	11.50	Purge Method	Low-Flow			
		Well Volumes Purged	1.22					
Sample Time:	Label	16:41	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	15:38						
	Purge End	16:48						

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
15:40	0	100	5.85	0.00	7.44	2.54	4.15	0.53	16.4	158.7	Clear	No Odor
15:45	5	100	5.85	0.13	7.47	2.32	2.85	0.26	16.4	121.8	Clear	No Odor
15:50	5	100	5.85	0.26	7.50	2.09	2.51	0.22	16.4	96.0	Clear	No Odor
15:55	5	100	5.85	0.39	7.51	1.95	1.95	0.20	16.4	75.3	Clear	No Odor
16:00	5	100	5.85	0.52	7.52	1.85	1.81	0.22	16.4	54.4	Clear	No Odor
16:05	5	100	5.85	0.65	7.51	1.79	1.75	0.22	16.3	27.0	Clear	No Odor
16:10	5	100	5.85	0.78	7.51	1.79	2.29	0.21	16.3	20.4	Clear	No Odor
16:15	5	100	5.85	0.91	7.51	1.77	1.57	0.21	16.3	5.1	Clear	No Odor
16:20	5	100	5.85	1.04	7.51	1.76	1.83	0.22	16.3	-9.5	Clear	No Odor
16:25	5	100	5.85	1.17	7.51	1.76	1.47	0.22	16.3	-23.3	Clear	No Odor
16:30	5	100	5.85	1.30	7.51	1.77	1.79	0.21	16.3	-35.1	Clear	No Odor
16:35	5	100	5.85	1.43	7.51	1.75	1.53	0.21	16.3	-46.0	Clear	No Odor
16:40	5	100	5.85	1.56	7.51	1.75	1.38	0.22	16.3	-53.2	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 ROW
Condition of Well:	Good
Well Completion:	Flush mount
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-77S	Date	11-19-20
Project Name/Location	Ford LTP			Weather	60 degrees F, Mostly Cloudy
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0
Static Water Level (ft-bmp)	5.74	Total Depth (ft-bmp)	12.19	Water Column (ft.)	6.45
		Pump Intake (ft-bmp)	7.24	Purge Method	Low-Flow
		Well Volumes Purged	1.49		
Sample Time:	Label	15:16	Volume Purged	1.56 gallons	Replicate/Code No.
	Purge Start	14:13			MW-77S-MS_111920,
	Purge End	15:27			MW-77S-MSD_111920
					Sampled by
					Gary Schafer

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
14:15	0	100	5.76	0.00	7.60	0.59	8.86	1.60	16.3	197.0	Clear	No Odor
14:20	5	100	5.76	0.13	7.58	0.58	8.22	0.39	16.1	193.0	Clear	No Odor
14:25	5	100	5.76	0.26	7.58	0.59	7.10	0.30	16.2	189.9	Clear	No Odor
14:30	5	100	5.76	0.39	7.58	0.64	4.80	0.21	16.2	186.0	Clear	No Odor
14:35	5	100	5.76	0.52	7.58	0.67	3.33	0.17	16.2	183.2	Clear	No Odor
14:40	5	100	5.76	0.65	7.57	0.71	3.08	0.18	16.2	180.7	Clear	No Odor
14:45	5	100	5.76	0.78	7.56	0.75	2.21	0.15	16.2	177.9	Clear	No Odor
14:50	5	100	5.76	0.91	7.56	0.78	2.28	0.16	16.2	175.7	Clear	No Odor
14:55	5	100	5.76	1.04	7.56	0.81	2.02	0.15	16.3	174.3	Clear	No Odor
15:00	5	100	5.76	1.17	7.56	0.83	2.08	0.15	16.2	173.6	Clear	No Odor
15:05	5	100	5.76	1.30	7.56	0.85	1.73	0.14	16.2	173.5	Clear	No Odor
15:10	5	100	5.76	1.43	7.56	0.87	1.52	0.14	16.2	173.4	Clear	No Odor
15:15	5	100	5.76	1.56	7.55	0.88	1.42	0.14	16.2	172.8	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	1.25" = 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-78			Date	11-11-20
Project Name/Location	Ford LTP		Weather		49 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	7-12	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	3.40	Total Depth (ft-bmp)	11.75	Water Column (ft.)	8.35	Gallons in Well	1.36
		Pump Intake (ft-bmp)	9.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.53				
Sample Time:	Label	Volume Purged	2.08 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	13:17					
	Purge End	14:05					

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* 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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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-78S			Date	11-11-20
Project Name/Location	Ford LTP		Weather		51 degrees F, Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	Well Material	
Static Water Level (ft-bmp)	3.65	Total Depth (ft-bmp)	12.30	Water Column (ft.)	8.65	Gallons in Well	
		Pump Intake (ft-bmp)	5.15	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	1.28			Grab	
Sample Time:	Label	Volume Purged	1.8 gallons	Replicate/Code No.	--	Sampled by	
	Purge Start	14:36				Emma Witherspoon	
	Purge End	15:32					

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* 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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
				6" = 1.47

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-79D			Date	11-11-20
Project Name/Location	Ford LTP		Weather		50 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	10-15	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	6.45	Total Depth (ft-bmp)	14.67	Water Column (ft.)	8.22	Gallons in Well	1.34
		Pump Intake (ft-bmp)	12.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.78				
Sample Time:	Label	9:59	Volume Purged	1.04 gallons	Replicate/Code No.	DUP-18	Sampled by
	Purge Start	9:15					Gary Schafer
	Purge End	10:14					

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* 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	11-11-20	
Project Name/Location	Ford LTP		Weather	48 degrees F, Mostly Clear		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	Gallons in Well	0.98	
Static Water Level (ft-bmp)	6.32	Total Depth (ft-bmp)	12.33	Water Column (ft.)	6.01	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.82	Purge Method	Low-Flow			
		Well Volumes Purged	1.35					
Sample Time:	Label	11:31	Volume Purged	1.32 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	10:38						
	Purge End	11:37						

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
10:40	0	110	6.32	0.00	7.20	1.55	8.64	0.92	14.7	1.5	Clear	No Odor
10:45	5	100	6.32	0.15	7.22	1.72	6.97	0.46	14.8	-21.5	Clear, Small White Particulates	No Odor
10:50	5	100	6.33	0.28	7.22	1.96	7.51	0.31	15.0	-38.5	Clear, Small White Particulates	No Odor
10:55	5	100	6.33	0.41	7.22	2.14	6.85	0.31	14.9	-47.8	Clear	No Odor
11:00	5	100	6.33	0.54	7.23	2.21	5.78	0.25	14.9	-53.8	Clear	No Odor
11:05	5	100	6.33	0.67	7.22	2.23	5.53	0.26	14.9	-56.5	Clear	No Odor
11:10	5	100	6.33	0.80	7.21	2.30	3.99	0.20	14.9	-58.6	Clear	No Odor
11:15	5	100	6.33	0.93	7.21	2.29	3.78	0.21	14.8	60.1	Clear	No Odor
11:20	5	100	6.33	1.06	7.21	2.32	3.34	0.20	14.9	-61.2	Clear	No Odor
11:25	5	100	6.33	1.19	7.21	2.35	3.29	0.20	15.0	-62.7	Clear	No Odor
11:30	5	100	6.33	1.32	7.21	2.37	3.54	0.20	14.9	-63.1	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:	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	11-6-20
Project Name/Location	Ford LTP		Weather		47 degrees F. Partly Cloudy	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	PVC
Static Water Level (ft-bmp)	3.90	Total Depth (ft-bmp)	12.21	Water Column (ft.)	8.31	Gallons in Well
		Pump Intake (ft-bmp)	5.40	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	1.47			Grab
Sample Time:	Label	8:45	Volume Purged	1.98 gallons	Replicate/Code No.	DUP-10_110620
	Purge Start	8:09			Sampled by	Emma Witherspoon
	Purge End	8:49				

Elmer E. Spence

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* 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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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



[Signature]

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* 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-81S		Date	11-3-20		
Project Name/Location	Ford LTP		Weather		50 degrees F. Sunny			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	PVC		
Static Water Level (ft-bmp)	7.98	Total Depth (ft-bmp)	12.51	Water Column (ft.)	4.53	Gallons in Well	0.74	
		Pump Intake (ft-bmp)	9.48	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.95					
Sample Time:	Label	15:25	Volume Purged	1.44 gallons	Replicate/Code No.	--	Sampled by	Shantel Johnson
	Purge Start	14:47						
	Purge End	15:29						

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* 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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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-82D Date 11-3-20
Project Name/Location Ford LTP Weather 48 degrees F. Sunny
Measuring Pt. Description Top of Casing Screen Setting (ft-bmp) 18-23 Casing Diameter (in.) 2.0 Well Material PVC
Static Water Level (ft-bmp) 8.78 Total Depth (ft-bmp) 22.75 Water Column (ft.) 13.97 Gallons in Well 2.27
Pump Intake (ft-bmp) 20.50 Purge Method Low-Flow Sample Method Grab
Well Volumes Purged 0.95

Sample Time: Label 11:30 Volume Purged 2.16 gallons Replicate/Code No. -- Sampled by Shantel Johnson
Purge Start 10:33
Purge End 11:34

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	180	8.80	0.00	7.31	1.26	8.99	1.33	15.9	129.5	Clear	No Odor
10:40	5	180	8.81	0.24	7.31	1.20	7.39	0.54	16.3	109.4	Clear	No Odor
10:45	5	180	8.81	0.48	7.28	1.13	6.04	0.28	16.1	86.6	Clear	No Odor
10:50	5	180	8.81	0.72	7.26	1.12	4.37	0.32	16.1	58.6	Clear	No Odor
10:55	5	180	8.81	0.96	7.25	1.14	3.62	0.24	16.1	34.2	Clear	No Odor
11:00	5	180	8.81	1.20	7.23	1.16	4.11	0.20	16.0	16.1	Clear	No Odor
11:05	5	180	8.81	1.44	7.22	1.18	4.54	0.16	15.8	-0.5	Clear	No Odor
11:10	5	180	8.81	1.68	7.22	1.19	4.20	0.11	15.8	-8.1	Clear	No Odor
11:15	5	180	8.81	1.92	7.22	1.20	3.81	0.11	15.8	-15.7	Clear	No Odor
11:20	5	180	8.81	2.16	7.22	1.20	3.95	0.09	15.9	-17.7	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 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-82SR		Date	11-3-20		
Project Name/Location	Ford LTP		Weather		48 degrees F			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-15	Casing Diameter (in.)	2.0	PVC		
Static Water Level (ft-bmp)	8.77	Total Depth (ft-bmp)	16.72	Water Column (ft.)	7.95	Gallons in Well	1.29	
		Pump Intake (ft-bmp)	10.27	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.49					
Sample Time:	Label	12:30	Volume Purged	1.92 gallons	Replicate/Code No.	--	Sampled by	Shantel Johnson
	Purge Start	11:45						
	Purge End	12:33						

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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-83		Date	11-4-20		
Project Name/Location	Ford LTP		Weather		52 degrees F. Sunny			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2.0	PVC		
Static Water Level (ft-bmp)	7.97	Total Depth (ft-bmp)	12.42	Water Column (ft.)	4.45	Gallons in Well	0.72	
		Pump Intake (ft-bmp)	10.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.83					
Sample Time:	Label	11:40	Volume Purged	1.32 gallons	Replicate/Code No.	--	Sampled by	Shantel Johnson
	Purge Start	10:59						
	Purge End	11:44						

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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	11-4-20
Project Name/Location	Ford LTP		Weather		50 degrees F. Sunny		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	8.14	Total Depth (ft-bmp)	12.80	Water Column (ft.)	4.66	Gallons in Well	0.76
		Pump Intake (ft-bmp)	9.64	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.74				
Sample Time:	Label	10:30	Volume Purged	1.32 gallons	Replicate/Code No.	MW-83S-MS_110420, MW-83S-MSD_110420	Sampled by
	Purge Start	9:47					Shantel Johnson
	Purge End	10:41					

[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	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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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



Project No.	30050315.402.01	Well ID	MW-84			Date	11-12-20
Project Name/Location	Ford LTP		Weather		36 degrees F, Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	5.30	Total Depth (ft-bmp)	12.55	Water Column (ft.)	7.25	Gallons in Well	1.18
		Pump Intake (ft-bmp)	10.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.68				
Sample Time:	Label	Volume Purged	1.98 gallons	Replicate/Code No.	MW-84-MS_111220, MW-84-MSD_111220	Sampled by	Emma Witherspoon
	Purge Start	10:03					
	Purge End	10:48					

El Hagg Ben

[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:	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-84S		Date	11-12-20	
Project Name/Location	Ford LTP		Weather	33 degrees F. Fog/Mist		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	Gallons in Well	1.18	
Static Water Level (ft-bmp)	5.45	Total Depth (ft-bmp)	12.70	Water Column (ft.)	7.25	Sample Method	Grab	
		Pump Intake (ft-bmp)	6.95	Purge Method	Low-Flow			
		Well Volumes Purged	2.64					
Sample Time:	Label	9:50	Volume Purged	3.12 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	8:48						
	Purge End	9:54						

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
8:50	0	200	5.36	0.00	7.11	0.77	0.02	0.31	14.8	193.0	Clear	No Odor
8:55	5	200	5.47	0.26	7.07	0.89	0.02	0.15	14.7	-63.4	Clear	No Odor
9:00	5	200	5.47	0.52	7.11	1.13	0.02	0.16	15.0	-91.1	Clear	No Odor
9:05	5	200	5.47	0.78	7.12	1.31	0.02	0.16	15.2	-92.0	Clear	No Odor
9:10	5	200	5.47	1.04	7.13	1.48	0.02	0.19	14.9	-92.2	Clear	No Odor
9:15	5	200	5.47	1.30	7.12	1.72	0.39	0.18	15.2	-92.9	Clear	No Odor
9:20	5	200	5.47	1.56	7.12	1.85	0.02	0.20	15.2	-94.5	Clear	No Odor
9:25	5	200	5.47	1.82	7.12	1.91	0.02	0.24	15.2	-95.2	Clear	No Odor
9:30	5	200	5.47	2.08	7.12	2.02	0.02	0.18	15.4	-96.9	Clear	No Odor
9:35	5	200	5.47	2.34	7.11	2.13	0.02	0.16	15.4	-96.9	Clear	No Odor
9:40	5	200	5.47	2.60	7.12	2.18	0.02	0.17	15.4	-98.5	Clear	No Odor
9:45	5	200	5.47	2.86	7.11	2.24	0.02	0.17	15.5	-98.4	Clear	No Odor
9:50	5	200	5.47	3.12	7.11	2.18	0.02	0.18	15.5	-98.3	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 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, VC	Container 40 mL Glass	Number 3	Preservative HCL
1,4-dioxane	40 mL Glass	3	HCL
Comments None			

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



SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01		Well ID	MW-85		Date	11-11-20	
Project Name/Location	Ford LTP		Weather	51 degrees F, Mostly Clear				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	8-13	Casing Diameter (in.)	2.0	Well Material	PVC	
Static Water Level (ft-bmp)	6.26	Total Depth (ft-bmp)	12.69	Water Column (ft.)	6.43	Gallons in Well	1.04	
		Pump Intake (ft-bmp)	10.50	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.92					
Sample Time:	Label	16:15	Volume Purged	2 gallons	Replicate/Code No.	DUP-09	Sampled by	Ellen Redner
	Purge Start	15:20						
	Purge End	16:25						

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
15:25	0	150	6.31	0.00	7.38	3.58	6.66	0.49	14.3	-125.0	Clear	No Odor
15:30	5	150	6.31	0.20	7.31	3.43	17.50	0.26	14.3	-124.5	Clear, Small Brown Particulates	No Odor
15:35	5	150	6.31	0.40	7.28	3.26	23.00	0.23	14.2	-120.8	Clear, Small Orange Particulates	No Odor
15:40	5	150	6.31	0.60	7.27	3.13	27.10	0.15	14.1	-114.9	Clear, Small Orange Particulates	No Odor
15:45	5	150	6.31	0.80	7.25	3.03	17.10	0.11	14.1	-112.3	Clear, Small Orange Particulates	No Odor
15:50	5	150	6.31	1.00	7.25	2.99	12.80	0.08	14.1	-112.4	Clear, Small Orange Particulates	No Odor
15:55	5	150	6.31	1.20	7.24	2.98	10.80	0.08	14.0	-111.1	Clear, Small Orange Particulates	No Odor
16:00	5	150	6.31	1.40	7.24	2.94	8.10	0.04	14.1	-111.8	Clear	No Odor
16:05	5	150	6.31	1.60	7.24	2.93	6.29	0.04	14.0	-112.2	Clear	No Odor
16:10	5	150	6.31	1.80	7.24	2.93	5.77	0.03	14.0	-112.7	Clear	No Odor
16:15	5	150	6.31	2.00	7.24	2.92	5.98	0.01	14.1	-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	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

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Project No.	30050315.402.01	Well ID	MW-85SR			Date	11-11-20
Project Name/Location	Ford LTP		Weather		46 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2.0	Well Material	
Static Water Level (ft-bmp)	6.36	Total Depth (ft-bmp)	8.43	Water Column (ft.)	2.07	Gallons in Well	
		Pump Intake (ft-bmp)	7.86	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	4.12			Grab	
Sample Time:	Label	17:20	Volume Purged	1.4 gallons	Replicate/Code No.	Sampled by	
	Purge Start	16:40			--	Ellen Redner	
	Purge End	17:25					

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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	11-5-20
Project Name/Location	Ford LTP		Weather		61 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	8.21	Total Depth (ft-bmp)	16.70	Water Column (ft.)	8.49	Gallons in Well	1.38
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.65				
Sample Time:	Label	Volume Purged	0.9 gallons	Replicate/Code No.	MW-86-MS_110520, MW-86-MSD_110520	Sampled by	Gary Schafer
	Purge Start	13:27					
	Purge End	14:19					

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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	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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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:	n/a

SHALLOW LOW-FLOW GROUNDWATER SAMPLING FORM

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Project No.	30050315.402.01	Well ID	MW-86S			Date	11-5-20
Project Name/Location	Ford LTP		Weather		57 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	8.40	Total Depth (ft-bmp)	12.38	Water Column (ft.)	3.98	Gallons in Well	0.65
		Pump Intake (ft-bmp)	9.90	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.40				
Sample Time:	Label	13:01	Volume Purged	0.91 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	12:23					Gary Schafer
	Purge End	13:06					

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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:	Wadsworth ROW	Well Locked at Arrival:	yes
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.	30050315.402.01	Well ID	MW-87			Date	11-10-20
Project Name/Location	Ford LTP		Weather		59 degrees F. Mostly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	14-19	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	10.30	Total Depth (ft-bmp)	18.80	Water Column (ft.)	8.50	Gallons in Well	1.38
		Pump Intake (ft-bmp)	16.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.91				
Sample Time:	Label	8:35	Volume Purged	1.26 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	8:00					Ellen Redner
	Purge End	8:40					

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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



Project No.	30050315.402.01	Well ID	MW-87S			Date	11-10-20
Project Name/Location	Ford LTP		Weather		60 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-14.5	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	10.06	Total Depth (ft-bmp)	14.11	Water Column (ft.)	4.05	Gallons in Well	0.66
		Pump Intake (ft-bmp)	11.56	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.91				
Sample Time:	Label	Volume Purged	1.26 gallons	Replicate/Code No.	MW-87S-MS_111020, MW-87S-MSD_111020	Sampled by	Ellen Redner
	Purge Start	8:55					
	Purge End	9:45					

[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	9	HCL
1,4-dioxane	40 mL Glass	9	HCL

Comments

Had to dig out sand to get to well

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:	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

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Project No.	30050315.402.01	Well ID	MW-96S			Date	11-13-20
Project Name/Location	Ford LTP		Weather		41 degrees F, Light Rain		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	6.64	Total Depth (ft-bmp)	12.09	Water Column (ft.)	5.45	Gallons in Well	0.89
		Pump Intake (ft-bmp)	8.14	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.80				
Sample Time:	Label	9:35	Volume Purged	1.6 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	8:47					Allyson Hartz
	Purge End	9:37					

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
				6" = 1.47

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-97S	Date	11-19-20			
Project Name/Location	Ford LTP			Weather	53 degrees F. Mostly Cloudy and Windy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	5.60	Total Depth (ft-bmp)	12.01	Water Column (ft.)	6.41			
		Pump Intake (ft-bmp)	7.10	Gallons in Well	1.04			
		Well Volumes Purged	1.25	Purge Method	Low-Flow			
Sample Time:	Label	13:26	Volume Purged	1.3 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	12:33						
	Purge End	13:34						

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
12:35	0	100	5.60	0.00	7.17	0.47	47.00	1.16	15.3	242.1	Clear, Small Orange Particulates	No Odor
12:40	5	100	5.60	0.13	7.25	0.45	41.90	0.59	15.3	230.7	Clear, Small Orange Particulates	No Odor
12:45	5	100	5.60	0.26	7.32	0.49	28.80	0.34	15.4	218.6	Clear, Small Orange Particulates	No Odor
12:50	5	100	5.60	0.39	7.38	0.55	16.80	0.25	15.5	207.3	Clear	No Odor
12:55	5	100	5.60	0.52	7.40	0.60	8.33	0.22	15.6	198.5	Clear	No Odor
13:00	5	100	5.60	0.65	7.41	0.63	6.09	0.21	15.6	193.0	Clear	No Odor
13:05	5	100	5.60	0.78	7.42	0.66	5.45	0.23	15.6	187.2	Clear	No Odor
13:10	5	100	5.60	0.91	7.43	0.69	3.46	0.22	15.7	183.2	Clear	No Odor
13:15	5	100	5.60	1.04	7.44	0.70	3.55	0.21	15.7	177.6	Clear	No Odor
13:20	5	100	5.60	1.17	7.44	0.72	2.70	0.21	15.7	175.8	Clear	No Odor
13:25	5	100	5.60	1.30	7.45	0.72	1.98	0.22	15.6	172.8	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				
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:	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-98S		Date	11-13-20	
Project Name/Location	Ford LTP		Weather	41 degrees F, Light Rain		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	Gallons in Well	1.48	
Static Water Level (ft-bmp)	2.98	Total Depth (ft-bmp)	12.10	Water Column (ft.)	9.12	Sample Method	Grab	
		Pump Intake (ft-bmp)	4.48	Purge Method	Low-Flow			
		Well Volumes Purged	2.68					
Sample Time:	Label	10:05	Volume Purged	3.96 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	9:03						
	Purge End	10:11						

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	250	3.04	0.00	7.06	0.73	4.98	0.39	13.7	98.4	Clear, Small Orange Particulates	No Odor
9:10	5	250	3.04	0.33	7.07	0.74	2.30	0.25	13.8	-29.1	Clear	No Odor
9:15	5	250	3.04	0.66	7.07	0.77	0.74	0.18	13.8	-62.2	Clear	No Odor
9:20	5	250	3.05	0.99	7.08	0.98	0.02	0.13	13.9	-72.9	Clear	No Odor
9:25	5	250	3.05	1.32	7.06	1.23	0.02	0.15	13.9	-77.2	Clear	No Odor
9:30	5	250	3.05	1.65	7.07	1.42	0.04	0.12	14.0	-85.3	Clear	No Odor
9:35	5	250	3.05	1.98	7.07	1.52	0.02	0.13	14.1	-91.1	Clear	No Odor
9:40	5	250	3.05	2.31	7.08	1.67	0.02	0.11	14.1	-100.4	Clear	No Odor
9:45	5	250	3.05	2.64	7.08	1.74	0.02	0.13	14.1	-102.8	Clear	No Odor
9:50	5	250	3.05	2.97	7.08	1.80	0.02	0.11	14.2	-104.4	Clear	No Odor
9:55	5	250	3.05	3.30	7.08	1.86	0.02	0.12	14.2	-106.4	Clear	No Odor
10:00	5	250	3.05	3.63	7.09	1.88	0.02	0.11	14.2	-106.9	Clear	No Odor
10:05	5	250	3.05	3.96	7.08	1.96	0.02	0.28	14.2	-108.5	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:	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-99S	Date	11-16-20
Project Name/Location	Ford LTP			Weather	38 degrees F, Cloudy
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2.0
Static Water Level (ft-bmp)	7.31	Total Depth (ft-bmp)	12.87	Water Column (ft.)	5.56
		Pump Intake (ft-bmp)	8.81	Purge Method	Low-Flow
		Well Volumes Purged	2.73		
Sample Time:	Label	10:00	Volume Purged	2.46 gallons	Replicate/Code No.
	Purge Start	8:54			MW-99S-MS_111620,
	Purge End	10:09			MW-99S-MSD_111620
					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
8:55	0	200	7.31	0.00	7.11	1.91	69.70	2.19	15.4	204.4	Clear	No Odor
9:00	5	150	7.31	0.26	7.04	1.81	29.50	1.46	15.2	210.6	Clear	No Odor
9:05	5	150	7.31	0.46	7.05	2.56	11.90	1.05	15.3	223.4	Clear	No Odor
9:10	5	150	7.31	0.66	7.06	3.42	7.54	0.94	15.4	228.1	Clear	No Odor
9:15	5	150	7.31	0.86	7.08	3.69	6.11	0.82	15.4	228.5	Clear	No Odor
9:20	5	150	7.31	1.06	7.08	3.83	3.36	0.79	15.5	228.1	Clear	No Odor
9:25	5	150	7.31	1.26	7.08	3.89	2.18	0.79	15.4	227.9	Clear	No Odor
9:30	5	150	7.31	1.46	7.06	4.16	2.22	0.75	15.5	228.6	Clear	No Odor
9:35	5	150	7.31	1.66	7.06	4.09	1.00	0.76	15.5	226.7	Clear	No Odor
9:40	5	150	7.31	1.86	7.06	4.32	0.94	0.71	15.5	226.0	Clear	No Odor
9:45	5	150	7.31	2.06	7.06	4.43	0.82	0.68	15.6	221.3	Clear	No Odor
9:50	5	150	7.31	2.26	7.06	4.50	1.54	0.68	15.5	213.5	Clear	No Odor
9:55	5	150	7.31	2.46	7.09	4.45	0.57	0.69	15.6	146.4	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	9	HCL
1,4-dioxane	40 mL Glass	9	HCL

Comments

Thread tabs have broken bolts in them

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,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-100S			Date	11-16-20
Project Name/Location	Ford LTP		Weather		38 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-13	Casing Diameter (in.)	2.0	Well Material	
Static Water Level (ft-bmp)	7.49	Total Depth (ft-bmp)	12.87	Water Column (ft.)	5.38	Gallons in Well	
		Pump Intake (ft-bmp)	8.99	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	1.45			Grab	
Sample Time:	Label	14:35	Volume Purged	1.26 gallons	Replicate/Code No.	MW-100S-MS_111620, MW-100S-MSD_111620	Sampled by
	Purge Start	13:55					Allyson Hartz
	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	9	HCL
1,4-dioxane	40 mL Glass	9	HCL

Comments

One thread tab has bolt stuck in it, had to pry lid off

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:	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

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Project No.	30050315.402.01	Well ID	MW-101S		Date	11-12-20		
Project Name/Location	Ford LTP		Weather		47 degrees F. Clear			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-14.5	Casing Diameter (in.)	2.0	PVC		
Static Water Level (ft-bmp)	8.78	Total Depth (ft-bmp)	14.50	Water Column (ft.)	5.72	Gallons in Well	0.93	
		Pump Intake (ft-bmp)	10.28	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	1.35					
Sample Time:	Label	14:20	Volume Purged	1.26 gallons	Replicate/Code No.	--	Sampled by	Allyson Hartz
	Purge Start	13:44						
	Purge End	14:22						

[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:	Plymouth 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-102			Date	11-12-20
Project Name/Location	Ford LTP		Weather		39 degrees F. Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	10-15	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	3.11	Total Depth (ft-bmp)	14.62	Water Column (ft.)	11.51	Gallons in Well	1.87
		Pump Intake (ft-bmp)	12.50	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	0.67				
Sample Time:	Label	Volume Purged	1.26 gallons	Replicate/Code No.	--	Sampled by	Ellen Redner
	Purge Start	12:05					
	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

Vault flooded/bentonite swollen. Had to bail out water and bentonite prior to opening J-plug.

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



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

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:	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-105S		Date	11-12-20	
Project Name/Location	Ford LTP		Weather	40 degrees F. Sunny		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	Gallons in Well	1.16	
Static Water Level (ft-bmp)	4.60	Total Depth (ft-bmp)	11.73	Water Column (ft.)	7.13	Sample Method	Grab	
		Pump Intake (ft-bmp)	6.10	Purge Method	Low-Flow			
		Well Volumes Purged	1.21					
Sample Time:	Label	11:05	Volume Purged	1.4 gallons	Replicate/Code No.	--	Sampled by	Ellen Redner
	Purge Start	10:25						
	Purge End	11:10						

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	4.63	0.00	7.22	3.35	75.00	0.57	14.8	-124.0	Cloudy, Small Orange Particulates	No Odor
10:35	5	150	4.63	0.20	7.32	3.95	40.90	0.25	15.1	-126.5	Clear, Small Orange Particulates	No Odor
10:40	5	150	4.63	0.40	7.32	3.92	29.60	0.17	15.1	-127.0	Clear	No Odor
10:45	5	150	4.63	0.60	7.33	3.93	25.80	0.12	15.2	-127.3	Clear	No Odor
10:50	5	150	4.63	0.80	7.33	3.94	12.10	0.14	15.1	-127.8	Clear	No Odor
10:55	5	150	4.63	1.00	7.34	3.94	16.40	0.10	15.2	-129.0	Clear	No Odor
11:00	5	150	4.63	1.20	7.33	3.93	15.70	0.07	15.2	-130.6	Clear	No Odor
11:05	5	150	4.63	1.40	7.33	3.93	15.10	0.08	15.1	-133.4	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:	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-106S			Date	11-12-20
Project Name/Location	Ford LTP		Weather		44 degrees F. Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	Well Material	
Static Water Level (ft-bmp)	3.73	Total Depth (ft-bmp)	11.60	Water Column (ft.)	7.87	Gallons in Well	
		Pump Intake (ft-bmp)	5.23	Purge Method	Low-Flow	Sample Method	
		Well Volumes Purged	2.06			Grab	
Sample Time:	Label	13:15	Volume Purged	2.64 gallons	Replicate/Code No.	MW-106S-MS_111220, MW-106S-MSD_111220	Sampled by
	Purge Start	12:33					Emma Witherspoon
	Purge End	13:24					

Elmer E. Spence

[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	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-107S		Date	11-6-20	
Project Name/Location	Ford LTP		Weather	56 degrees F, Partly Cloudy		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	Gallons in Well	0.92	
Static Water Level (ft-bmp)	6.45	Total Depth (ft-bmp)	12.12	Water Column (ft.)	5.67	Sample Method	Grab	
		Pump Intake (ft-bmp)	7.95	Purge Method	Low-Flow			
		Well Volumes Purged	3.95					
Sample Time:	Label	11:40	Volume Purged	3.63 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	10:39						
	Purge End	11:44						

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	250	6.66	0.00	8.14	0.63	5.28	0.55	15.8	125.6	Clear	No Odor
10:45	5	250	6.82	0.33	7.63	0.61	2.72	0.30	15.7	98.7	Clear	No Odor
10:50	5	250	7.00	0.66	7.53	0.61	0.02	0.28	15.8	79.9	Clear	No Odor
10:55	5	250	7.17	0.99	7.75	0.61	0.02	0.18	15.8	55.2	Clear	No Odor
11:00	4	250	7.33	1.32	7.67	0.68	0.02	0.28	15.9	55.2	Clear	No Odor
11:05	5	250	7.42	1.65	7.61	0.74	3.70	0.24	15.9	53.4	Clear	No Odor
11:10	5	250	7.56	1.98	7.56	0.78	8.41	0.37	16.0	53.4	Clear	No Odor
11:15	5	250	7.76	2.31	7.53	0.82	11.10	0.41	16.0	59.4	Clear	No Odor
11:20	5	250	7.97	2.64	7.50	0.85	18.40	0.43	16.1	66.9	Clear	No Odor
11:25	5	200	8.00	2.97	7.38	0.98	11.30	0.71	16.1	88.8	Clear	No Odor
11:30	5	150	7.83	3.23	7.46	0.95	0.74	0.47	16.1	77.9	Clear	No Odor
11:35	5	150	7.74	3.43	7.46	0.97	0.52	0.43	16.1	74.4	Clear	No Odor
11:40	5	150	7.69	3.63	7.45	0.98	0.69	0.57	16.1	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
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	



Project No.	30050315.402.01	Well ID	MW-108S			Date	11-11-20
Project Name/Location	Ford LTP		Weather		50 degrees F. Mostly Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	4.82	Total Depth (ft-bmp)	12.22	Water Column (ft.)	7.40	Gallons in Well	1.20
		Pump Intake (ft-bmp)	6.32	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	1.00				
Sample Time:	Label	14:20	Volume Purged	1.2 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	13:45					Ellen Redner
	Purge End	14:25					

[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-131S		Date	11-12-20	
Project Name/Location	Ford LTP		Weather	33 degrees F. Fog/Mist				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0	Well Material	PVC	
Static Water Level (ft-bmp)	5.76	Total Depth (ft-bmp)	12.69	Water Column (ft.)	6.93	Gallons in Well	1.13	
		Pump Intake (ft-bmp)	7.26	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.12					
Sample Time:	Label	9:50	Volume Purged	2.4 gallons	Replicate/Code No.	DUP-15	Sampled by	Ellen Redner
	Purge Start	8:45						
	Purge End	10:00						

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
8:50	0	150	5.83	0.00	7.00	0.60	7.36	1.78	14.4	112.8	Clear	No Odor
8:55	5	150	5.83	0.20	7.60	1.09	8.04	1.03	14.6	38.2	Clear	No Odor
9:00	5	150	5.83	0.40	7.11	1.58	5.21	0.40	14.7	5.4	Clear	No Odor
9:05	5	150	5.84	0.60	7.13	1.76	5.07	0.33	14.8	-1.5	Clear	No Odor
9:10	5	150	5.84	0.80	7.13	2.59	4.37	0.27	14.7	-4.4	Clear	No Odor
9:15	5	150	5.84	1.00	7.20	3.62	4.97	0.18	14.8	-30.3	Clear	No Odor
9:20	5	150	5.84	1.20	7.21	3.75	4.86	0.19	14.9	-43.4	Clear	No Odor
9:25	5	150	5.84	1.40	7.22	3.89	4.42	0.13	14.8	-58.5	Clear	No Odor
9:30	5	150	5.84	1.60	7.21	3.88	5.05	0.12	14.9	-66.0	Clear	No Odor
9:35	5	150	5.84	1.80	7.21	3.94	5.12	0.07	14.9	-76.1	Clear	No Odor
9:40	5	150	5.84	2.00	7.21	3.92	5.21	0.07	14.9	-79.5	Clear	No Odor
9:45	5	150	5.84	2.20	7.21	3.95	3.98	0.05	14.9	-84.9	Clear	No Odor
9:50	5	150	5.84	2.40	7.21	3.94	3.69	0.04	14.9	-87.0	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

Vault flooded, had to bail out water in well vault prior to opening J-plug.

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:	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-132S	Date	11-18-20			
Project Name/Location	Ford LTP		Weather	25 degrees F, Partly Cloudy				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-12.5	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	6.18	Total Depth (ft-bmp)	12.36	Water Column (ft.)	6.18			
		Pump Intake (ft-bmp)	7.68	Gallons in Well	1.00			
		Well Volumes Purged	2.16	Purge Method	Low-Flow			
				Sample Method	Grab			
Sample Time:	Label	10:05	Volume Purged	2.16 gallons	Replicate/Code No.	MW-132S-MS_111820, MW-132S-MSD_111820	Sampled by	Allyson Hartz
	Purge Start	8:58						
	Purge End	10:16						

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
9:00	0	200	6.21	0.00	7.37	0.91	31.20	1.40	14.6	141.0	Clear, Small Orange Particulates	No Odor
9:05	5	125	6.21	0.26	7.36	0.90	30.60	1.11	14.2	72.5	Clear, Small Orange Particulates	No Odor
9:10	5	125	6.21	0.43	7.47	0.91	19.60	1.00	13.9	39.4	Clear, Small Orange Particulates	No Odor
9:15	5	125	6.21	0.60	7.50	0.92	15.60	0.92	13.5	27.3	Clear, Small Orange Particulates	No Odor
9:20	5	125	6.21	0.77	7.49	0.92	5.79	0.98	12.2	22.6	Clear, Small Orange Particulates	No Odor
9:25	5	125	6.21	0.94	7.46	0.98	3.91	0.88	12.8	22.5	Clear	No Odor
9:30	5	125	6.21	1.11	7.42	1.24	3.07	0.74	13.7	17.0	Clear	No Odor
9:35	5	125	6.21	1.28	7.41	1.47	2.43	0.72	13.7	5.7	Clear	No Odor
9:40	5	125	6.21	1.45	7.39	1.69	2.10	0.69	13.8	-9.4	Clear	No Odor
9:45	5	150	6.21	1.62	7.40	1.77	1.87	0.68	13.8	-15.0	Clear	No Odor
9:50	5	125	6.21	1.82	7.39	1.88	1.56	0.66	13.8	-19.7	Clear	No Odor
9:55	5	125	6.21	1.99	7.39	1.91	1.25	0.65	14.1	-21.7	Clear	No Odor
10:00	5	125	6.21	2.16	7.39	1.96	1.33	0.65	13.9	-23.5	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:	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-133S		Date	11-4-20
Project Name/Location	Ford LTP		Weather		50 degrees F. Sunny	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4-9	Casing Diameter (in.)	2.0	PVC
Static Water Level (ft-bmp)	7.33	Total Depth (ft-bmp)	8.53	Water Column (ft.)	1.20	Gallons in Well
		Pump Intake (ft-bmp)	7.93	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	7.58			Grab
Sample Time:	Label	15:30	Volume Purged	1.44 gallons	Replicate/Code No.	--
	Purge Start	14:46				
	Purge End	15:34				

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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



[Signature]

[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-135S		Date	11-11-20	
Project Name/Location	Ford LTP		Weather	48 degrees F, Mostly Clear		Well Material	PVC	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	5-10	Casing Diameter (in.)	2.0	Gallons in Well	0.39	
Static Water Level (ft-bmp)	7.25	Total Depth (ft-bmp)	9.68	Water Column (ft.)	2.43	Sample Method	Grab	
		Pump Intake (ft-bmp)	8.75	Purge Method	Low-Flow			
		Well Volumes Purged	5.54					
Sample Time:	Label	10:55	Volume Purged	2.16 gallons	Replicate/Code No.	--	Sampled by	Shantel Johnson
	Purge Start	10:01						
	Purge End	10:59						

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
10:03	0	180	7.27	0.00	7.35	0.40	37.10	0.99	14.6	0.4	Clear	No Odor
10:08	5	180	7.28	0.24	7.26	0.60	28.10	0.52	14.2	-41.0	Clear	No Odor
10:13	5	180	7.28	0.48	7.25	0.58	20.40	0.50	14.2	-42.9	Clear	No Odor
10:18	5	180	7.28	0.72	7.29	0.57	14.30	0.46	14.3	-36.6	Clear	No Odor
10:23	5	180	7.28	0.96	7.30	0.59	9.86	0.44	14.1	-36.0	Clear	No Odor
10:28	5	180	7.28	1.20	7.31	0.58	9.45	0.44	14.1	-36.2	Clear	No Odor
10:33	5	180	7.28	1.44	5.33	0.57	7.22	0.39	14.0	-34.5	Clear	No Odor
10:38	5	180	7.28	1.68	7.35	0.57	4.80	0.44	14.2	-32.6	Clear	No Odor
10:43	5	180	7.28	1.92	7.35	0.57	4.01	0.40	14.1	-29.1	Clear	No Odor
10:48	5	180	7.28	2.16	7.36	0.57	4.54	0.39	14.1	-30.2	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:	Stark ROW	Well Locked at Arrival:	yes	
Condition of Well:	Good	Well Locked at Departure:	n/a	
Well Completion:	Flush mount	Lock Functioning:	yes	



Project No.	30050315.402.01	Well ID	MW-136S			Date	11-6-20
Project Name/Location	Ford LTP		Weather		47 degrees F. Partly Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	4.15	Total Depth (ft-bmp)	7.10	Water Column (ft.)	2.95	Gallons in Well	0.48
		Pump Intake (ft-bmp)	5.65	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.25				
Sample Time:	Label	9:55	Volume Purged	1.56 gallons	Replicate/Code No.	MW-136S-MS_110620, MW-136S-MSD_110620	Sampled by
	Purge Start	9:17					Emma Witherspoon
	Purge End	10:02					

El Hagg Ben

[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:	Capital 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-137S			Date	11-5-20
Project Name/Location	Ford LTP		Weather		62 degrees F. Cloudy		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	3.97	Total Depth (ft-bmp)	7.00	Water Column (ft.)	3.03	Gallons in Well	0.49
		Pump Intake (ft-bmp)	5.47	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	3.33				
Sample Time:	Label	14:50	Volume Purged	1.63 gallons	Replicate/Code No.	--	Sampled by
	Purge Start	14:19					Emma Witherspoon
	Purge End	14:54					

El Hagg Ben

[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:	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-138S			Date	11-12-20
Project Name/Location	Ford LTP		Weather		39 degrees F. Clear		
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.7	Casing Diameter (in.)	2.0	Well Material	PVC
Static Water Level (ft-bmp)	2.15	Total Depth (ft-bmp)	5.95	Water Column (ft.)	3.80	Gallons in Well	0.62
		Pump Intake (ft-bmp)	3.65	Purge Method	Low-Flow	Sample Method	Grab
		Well Volumes Purged	2.94				
Sample Time:	Label	12:05	Volume Purged	1.82 gallons	Replicate/Code No.	DUP-14	Sampled by
	Purge Start	11:29					Emma Witherspoon
	Purge End	12:12					

El Hagg

[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:	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	11-16-20			
Project Name/Location	Ford LTP		Weather	38 degrees F	Sunny, Some Clouds, Wind 5-8 mph			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2-7	Casing Diameter (in.)	2.0	Well Material	PVC	
Static Water Level (ft-bmp)	3.79	Total Depth (ft-bmp)	6.92	Water Column (ft.)	3.13	Gallons in Well	0.51	
		Pump Intake (ft-bmp)	5.29	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	3.06					
Sample Time:	Label	14:36	Volume Purged	1.56 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	13:33						
	Purge End	14:44						

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
13:35	0	100	3.80	0.00	7.29	0.88	24.80	1.44	15.6	107.3	Clear, Small Brown Particulates	No Odor
13:40	5	100	3.80	0.13	7.26	0.90	15.20	0.66	15.7	105.6	Clear, Small Brown Particulates	No Odor
13:45	5	100	3.80	0.26	7.24	0.91	13.00	0.53	15.7	100.3	Clear, Small Brown Particulates	No Odor
13:50	5	100	3.80	0.39	7.24	0.92	10.40	0.42	15.7	91.8	Clear, Small Brown Particulates	No Odor
13:55	5	100	3.80	0.52	7.23	0.94	10.10	0.38	15.6	85.7	Small Brown Particulates, Small White Clear, Small White Particulates	No Odor
14:00	5	100	3.80	0.65	7.24	0.95	6.84	0.32	15.6	76.4	Clear, Small White Particulates	No Odor
14:05	5	100	3.80	0.78	7.23	0.96	5.51	0.28	15.6	66.6	Clear, Small White Particulates	No Odor
14:10	5	100	3.80	0.91	7.23	0.97	3.07	0.24	15.7	52.9	Clear	No Odor
14:15	5	100	3.80	1.04	7.23	0.98	3.19	0.22	15.7	48.2	Clear	No Odor
14:20	5	100	3.80	1.17	7.23	0.98	3.20	0.25	15.7	38.9	Clear	No Odor
14:25	5	100	3.80	1.30	7.23	0.98	0.93	0.24	15.7	31.2	Clear	No Odor
14:30	5	100	3.80	1.43	7.23	0.98	2.46	0.19	15.8	23.2	Clear	No Odor
14:35	5	100	3.80	1.56	7.24	0.98	1.12	0.21	15.8	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" = 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		



Gang
Schulz

[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 vault flooded, casing and plug underwater. Bailed out water prior to opening J-plug.

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:	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-141S	Date	11-11-20
Project Name/Location	Ford LTP			Weather	50 degrees F, Sunny, Light Breeze
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	3-8	Casing Diameter (in.)	2.0
Static Water Level (ft-bmp)	6.92	Total Depth (ft-bmp)	7.72	Water Column (ft.)	0.80
		Pump Intake (ft-bmp)	7.32	Gallons in Well	0.13
		Well Volumes Purged	9.00	Purge Method	Low-Flow
				Sample Method	Grab

Sample Time:	Label	13:01	Volume Purged	1.17 gallons	Replicate/Code No.	--	Sampled by	Gary Schafer
	Purge Start	12:13						
	Purge End	13:10						

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
12:15	0	100	7.10	0.00	7.27	0.76	3.72	1.74	14.6	-12.6	Clear	No Odor
12:20	5	100	7.10	0.13	7.10	0.76	2.78	1.09	14.5	6.3	Clear	No Odor
12:25	5	100	7.10	0.26	7.08	0.76	1.91	0.75	14.5	13.7	Clear	No Odor
12:30	5	100	7.10	0.39	7.12	0.77	4.42	0.64	14.8	14.5	Clear	No Odor
12:35	5	100	7.10	0.52	7.16	0.79	1.00	0.54	14.9	10.4	Clear	No Odor
12:40	5	100	7.10	0.65	7.17	0.81	0.96	0.51	15.0	0.9	Clear	No Odor
12:45	5	100	7.10	0.78	7.19	0.82	0.98	0.50	15.0	-9.3	Clear	No Odor
12:50	5	100	7.10	0.91	7.20	0.82	0.90	0.49	15.0	-19.5	Clear	No Odor
12:55	5	100	7.10	1.04	7.20	0.82	0.92	0.48	14.9	-21.9	Clear	No Odor
13:00	5	100	7.10	1.17	7.20	0.83	0.78	0.45	15.0	-26.1	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:	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-142S		Date	11-11-20	
Project Name/Location	Ford LTP		Weather	49 degrees F, Mostly Clear				
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2.0	Well Material	PVC	
Static Water Level (ft-bmp)	5.15	Total Depth (ft-bmp)	6.75	Water Column (ft.)	1.60	Gallons in Well	0.26	
		Pump Intake (ft-bmp)	6.65	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	191.85					
Sample Time:	Label	13:15	Volume Purged	49.88 gallons	Replicate/Code No.	--	Sampled by	Ellen Redner
	Purge Start	12:10						
	Purge End	13:20						

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
12:15	0	150	5.21	0.00	6.90	1.22	351.00	1.40	13.7	-31.9	Cloudy, Small Orange Particulates	No Odor
12:20	5	150	5.22	0.20	6.91	1.20	89.00	0.76	13.8	-41.4	Clear, Small Orange Particulates	No Odor
12:25	5	150	5.22	0.40	6.91	1.20	30.90	0.32	13.9	-53.9	Clear, Small Orange Particulates	No Odor
12:30	5	150	5.22	0.60	6.91	1.20	30.30	0.20	14.0	-59.6	Clear, Small Orange Particulates	No Odor
12:35	5	150	5.22	0.80	6.91	1.20	21.50	0.16	14.0	-61.5	Clear, Small Orange Particulates	No Odor
12:40	5	150	5.23	1.00	6.91	1.20	15.60	0.12	14.0	-63.3	Clear, Small Orange Particulates	No Odor
12:45	5	150	5.23	1.20	6.91	1.20	12.90	0.09	13.7	-64.0	Clear	No Odor
12:50	5	150	5.23	1.40	7.91	1.20	9.22	0.10	13.7	-64.5	Clear, Small Orange Particulates	No Odor
12:55	5	150	5.23	1.60	6.91	1.20	6.12	0.08	13.7	-65.7	Clear	No Odor
13:00	5	100	5.23	1.80	6.91	1.20	5.74	0.05	13.8	-65.8	Clear	No Odor
13:05	5	150	5.23	49.48	6.91	1.20	9.21	0.09	13.6	-65.7	Clear, Small Orange Particulates	No Odor
13:10	5	150	5.23	49.68	6.92	1.20	8.59	0.08	13.7	-66.1	Clear, Small Orange Particulates	No Odor
13:15	5	150	5.23	49.88	6.92	1.20	7.03	0.08	13.8	-66.5	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

Well vault flooded, had to bail out water and bentonite before opening 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:	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-192S		Date	11-13-20		
Project Name/Location		Ford LTP	Weather		43 degrees F. Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	2.5-7.5	Casing Diameter (in.)	2.0	PVC		
Static Water Level (ft-bmp)	2.75	Total Depth (ft-bmp)	7.66	Water Column (ft.)	4.91	Gallons in Well	0.80	
		Pump Intake (ft-bmp)	4.25	Purge Method	Low-Flow	Sample Method	Grab	
		Well Volumes Purged	2.47					
Sample Time:	Label	11:10	Volume Purged	1.98 gallons	Replicate/Code No.	--	Sampled by	Emma Witherspoon
	Purge Start	10:36						
	Purge End	11:16						

El Haddad

[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
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65
	6" = 1.47			

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



[Signature]

[illegible]

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

Constituents Sampled	Container	Number	Preservative
dis-1,2-DCE, trans-1,2-DCE, TCE, VC	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
	6" = 1.47			

Well Location:	Rough 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-204S Date 11-2-20
Project Name/Location Ford LTP Weather 34 degrees F, Partly Cloudy
Measuring Pt. Description Top of Casing Screen Setting (ft-bmp) 4-9 Well Material PVC
Static Water Level (ft-bmp) 6.40 Total Depth (ft-bmp) 8.66 Water Column (ft.) 2.26 Gallons in Well 0.37
Pump Intake (ft-bmp) 7.90 Purge Method Low-Flow Sample Method Grab
Well Volumes Purged 7.70

Sample Time: Label 14:10 Volume Purged 2.85 gallons Replicate/Code No. -- Sampled by Shantel Johnson
Purge Start 13:01
Purge End 14:13

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
13:03	0	180	6.46	0.00	6.31	5.14	231.00	0.72	15.8	-44.4	Cloudy	No Odor
13:08	5	180	6.48	0.24	6.88	3.58	106.00	0.53	15.6	-90.4	Cloudy	No Odor
13:13	5	180	6.48	0.48	6.99	3.31	51.70	0.43	15.3	-92.5	Clear	No Odor
13:18	5	180	6.48	0.72	7.01	3.23	64.90	0.29	14.9	-90.3	Clear	No Odor
13:23	5	180	6.48	0.96	7.00	3.20	34.40	0.41	14.3	-89.7	Clear	No Odor
13:28	5	180	6.48	1.20	7.03	3.15	28.20	0.29	15.4	-87.3	Clear	No Odor
13:33	5	180	6.48	1.44	7.06	3.15	22.50	0.22	15.6	-86.3	Clear	No Odor
13:38	5	180	6.48	1.68	7.10	3.14	16.30	0.23	15.8	-85.5	Clear	No Odor
13:43	5	180	6.48	1.92	7.10	3.15	11.10	0.18	15.5	-84.4	Clear	No Odor
13:48	5	180	6.48	2.16	7.10	3.16	12.60	0.18	15.0	-83.1	Clear	No Odor
13:53	5	180	6.48	2.40	7.09	3.12	12.20	0.24	15.7	-84.9	Clear	No Odor
13:58	5	160	6.48	2.64	7.12	3.14	8.78	0.24	15.9	-85.4	Clear	No Odor
14:03	5	180	6.48	2.85	7.13	3.14	6.40	0.23	16.0	-85.7	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 cis-1,2-DCE, trans-1,2-DCE, TCE, VC Container 40 mL Glass Number 3 Preservative 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: Roush 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-205	Date	11-2-20			
Project Name/Location	Ford LTP			Weather	34 degrees F, Partly Cloudy			
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	12-17	Casing Diameter (in.)	2.0			
Static Water Level (ft-bmp)	7.86	Total Depth (ft-bmp)	15.79	Water Column (ft.)	7.93			
		Pump Intake (ft-bmp)	14.50	Purge Method	Low-Flow			
		Well Volumes Purged	2.23					
Sample Time:	Label	11:10	Volume Purged	2.88 gallons	Replicate/Code No.	--	Sampled by	Shantel Johnson
	Purge Start	9:59						
	Purge End	11:13						

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
10:02	0	180	7.89	0.00	7.16	3.54	336.00	1.30	13.9	156.0	Cloudy	No Odor
10:07	5	180	7.90	0.24	7.18	3.52	354.00	1.17	13.9	138.2	Cloudy	No Odor
10:12	5	180	7.90	0.48	7.20	3.50	307.00	1.07	13.9	132.4	Cloudy	No Odor
10:17	5	180	7.90	0.72	7.21	3.44	133.00	1.08	14.3	117.4	Cloudy	No Odor
10:22	5	180	7.90	0.96	7.21	3.42	97.10	1.08	13.9	109.8	Cloudy	No Odor
10:27	5	180	7.90	1.20	7.21	3.41	52.10	1.29	14.2	96.2	Clear	No Odor
10:32	5	180	7.90	1.44	7.21	3.41	38.90	1.31	14.1	91.5	Clear	No Odor
10:37	5	180	7.90	1.68	7.21	3.38	32.60	1.32	14.3	83.2	Clear	No Odor
10:42	5	180	7.90	1.92	7.21	3.39	25.50	1.42	14.1	76.1	Clear	No Odor
10:47	5	180	7.90	2.16	7.21	3.37	28.70	1.34	13.9	70.3	Clear	No Odor
10:52	5	180	7.90	2.40	7.20	3.36	26.40	1.45	14.0	66.0	Clear	No Odor
10:57	5	180	7.90	2.64	7.21	3.36	30.20	1.53	14.2	60.5	Clear	No Odor
11:02	5	180	7.90	2.88	7.21	3.36	30.00	1.54	14.2	57.7	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
cis-1,2-DCE, trans-1,2-DCE, TCE, VC	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:	Rough 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-205S		Date	11-2-20
Project Name/Location	Ford LTP		Weather		37 degrees F. Partly Cloudy	
Measuring Pt. Description	Top of Casing	Screen Setting (ft-bmp)	4.5-9.5	Casing Diameter (in.)	2.0	PVC
Static Water Level (ft-bmp)	7.79	Total Depth (ft-bmp)	8.94	Water Column (ft.)	1.15	Gallons in Well
		Pump Intake (ft-bmp)	8.37	Purge Method	Low-Flow	Sample Method
		Well Volumes Purged	12.37			Grab
Sample Time:	Label	12:30	Volume Purged	2.35 gallons	Replicate/Code No.	--
	Purge Start	11:23				
	Purge End	12:33				

[illegible]

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

Constituents Sampled	Container	Number	Preservative
cis-1,2-DCE, trans-1,2-DCE, TCE, VC	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
	6" = 1.47			

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

APPENDIX D

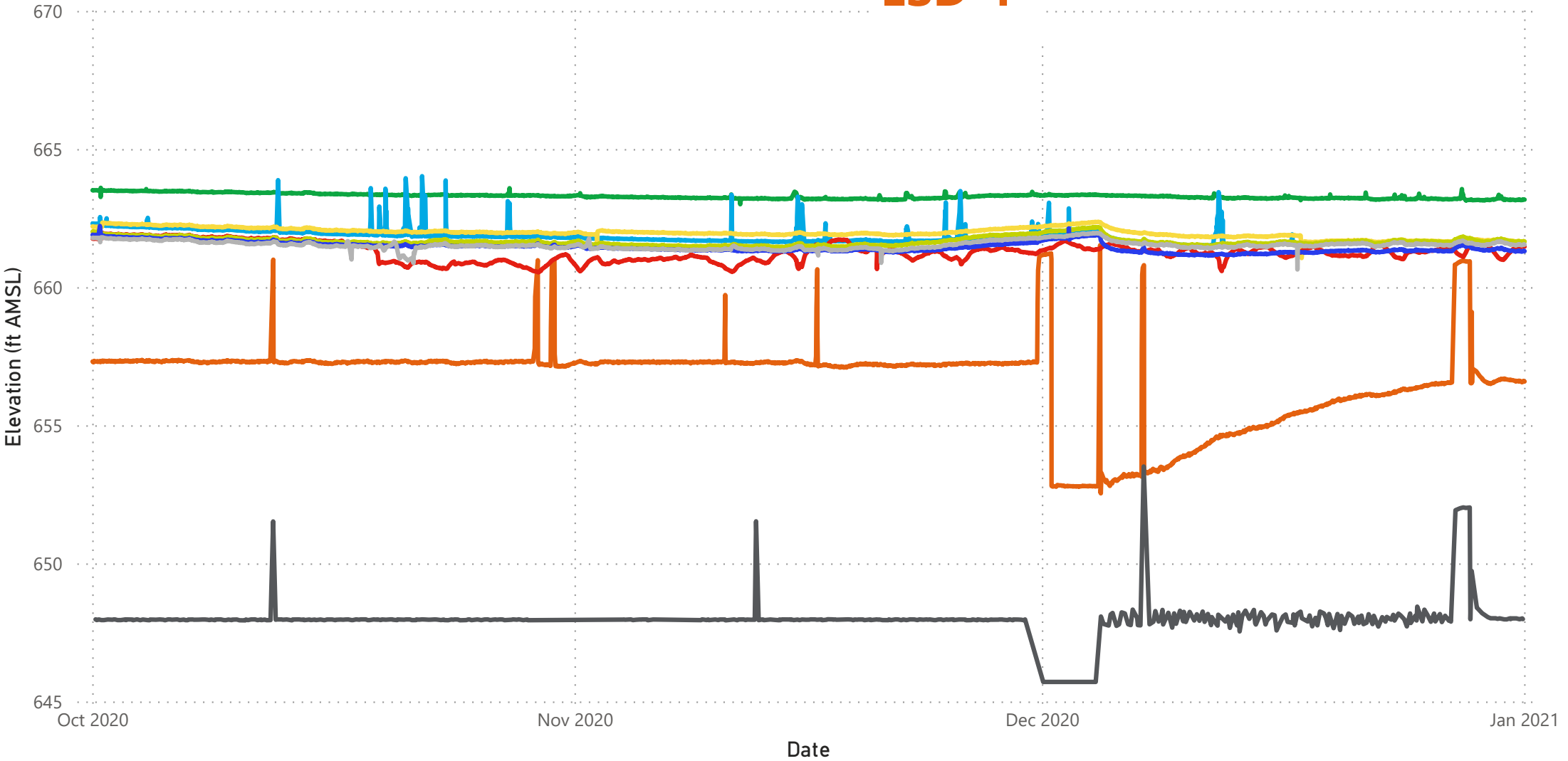
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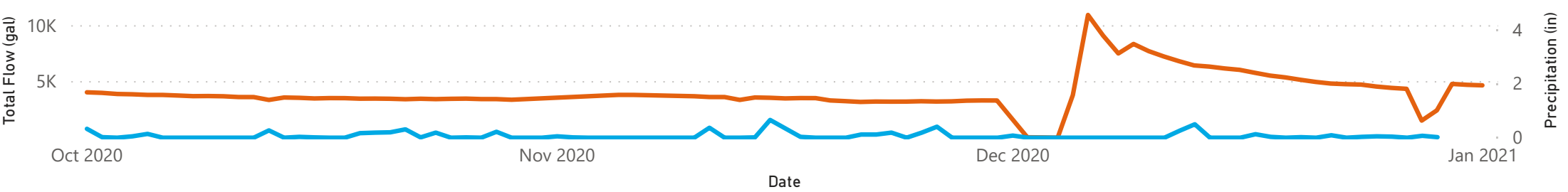
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ESD-1

Transducer Download Date
Thursday, December 17, 2020
Friday, November 20, 2020
Thursday, October 1, 2020



● ESD-1 Daily Flow ● Precipitation (in)



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 MONITORING WELL
 PIEZOMETER
 ESD PUMP
 VAULT

1. SYMBOLOGY COLOR-CODING CORRESPONDS TO ASSOCIATED TRANSDUCER DATA. REFER TO ATTACHED GRAPH.



0 100 200

SCALE IN FEET
1 inch = 200 feet

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

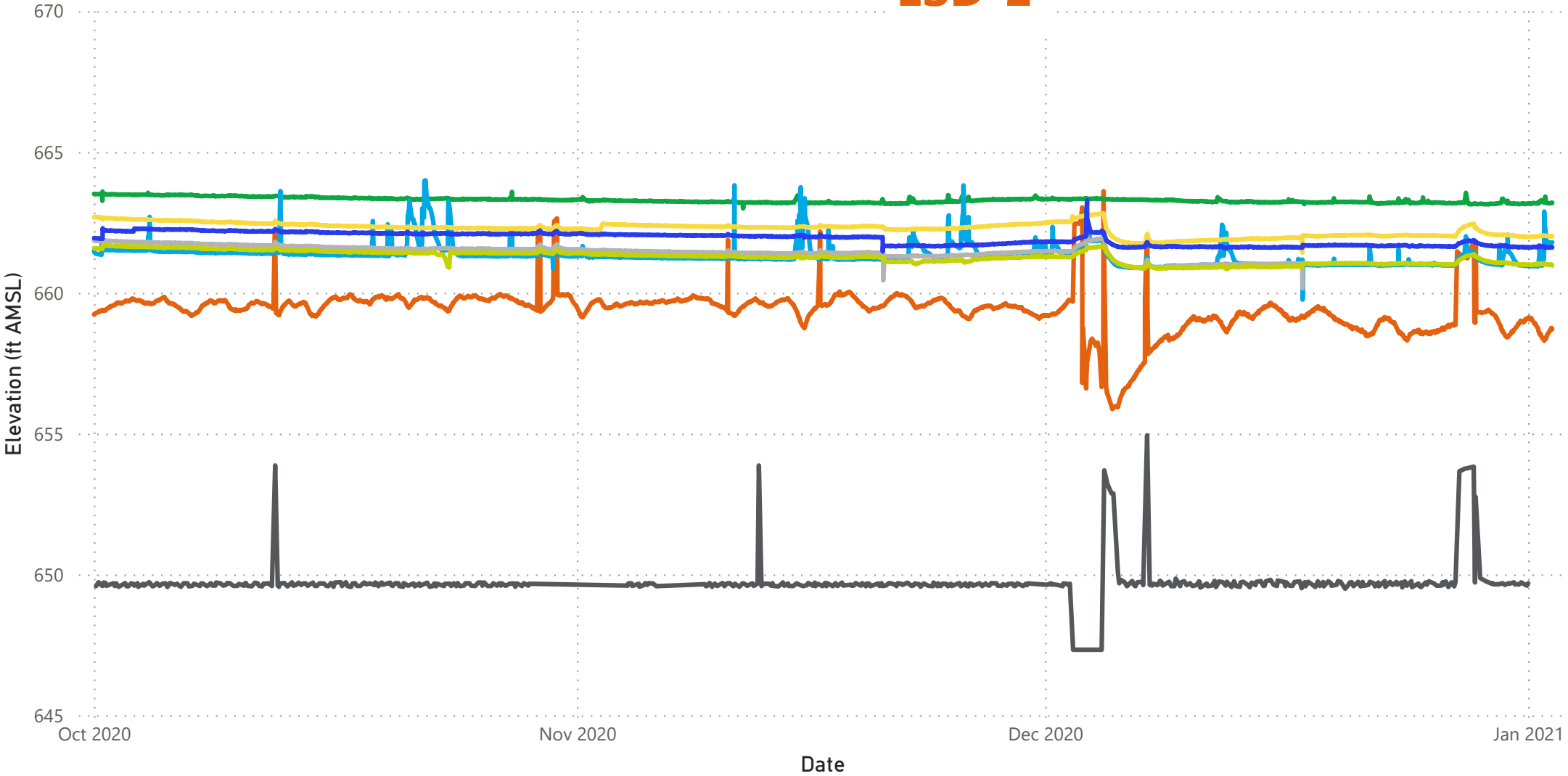
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Transducer Download Date

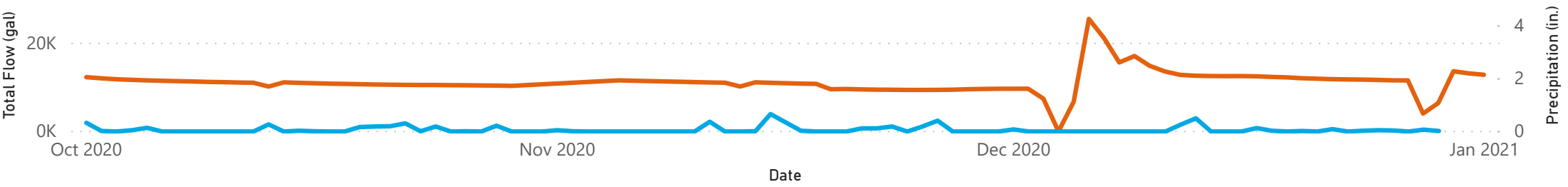
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Friday, November 20, 2020

Thursday, December 17, 2020

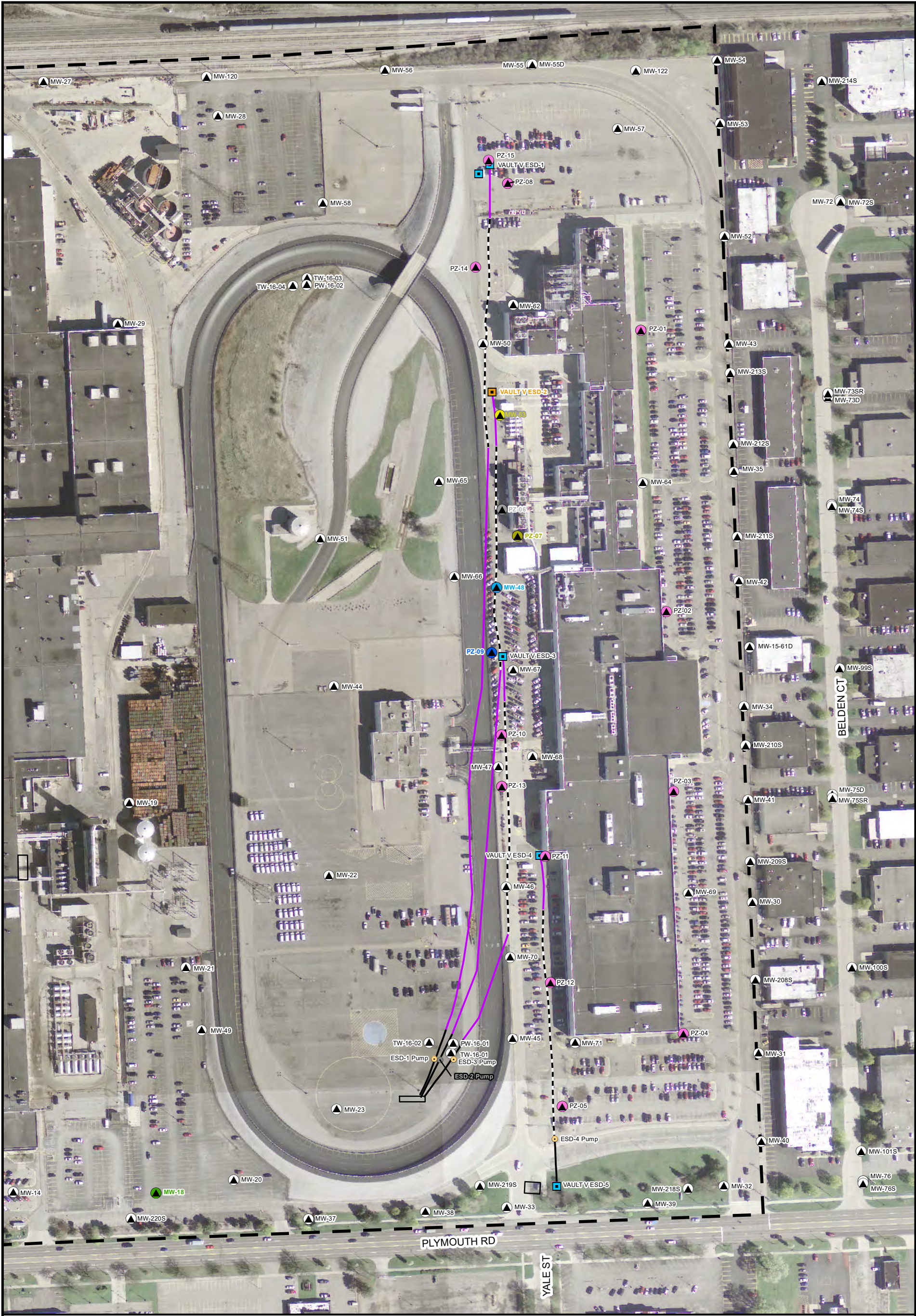


● ESD-2 Daily Flow ● Precipitation (in.)



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CITY: Novi DIV: ENV DB: MG PIC: R ELLIS PM: K HINSKEY PROJECT NUMBER: 30050315 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
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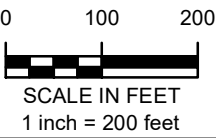


LEGEND

- ▲ MONITORING WELL
- PIEZOMETER
- ESD PUMP
- VAULT
- WELL BLANK CASING (4-INCH SDR-11 HDPE)
- 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.



FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

PERFORMANCE MONITORING WELLS - ESD-2



● ESD-3 Vault ● ESD-3 Pump ● MW-18 ● MW-46 ● MW-68 ● PZ-03 ● PZ-10 ● PZ-13

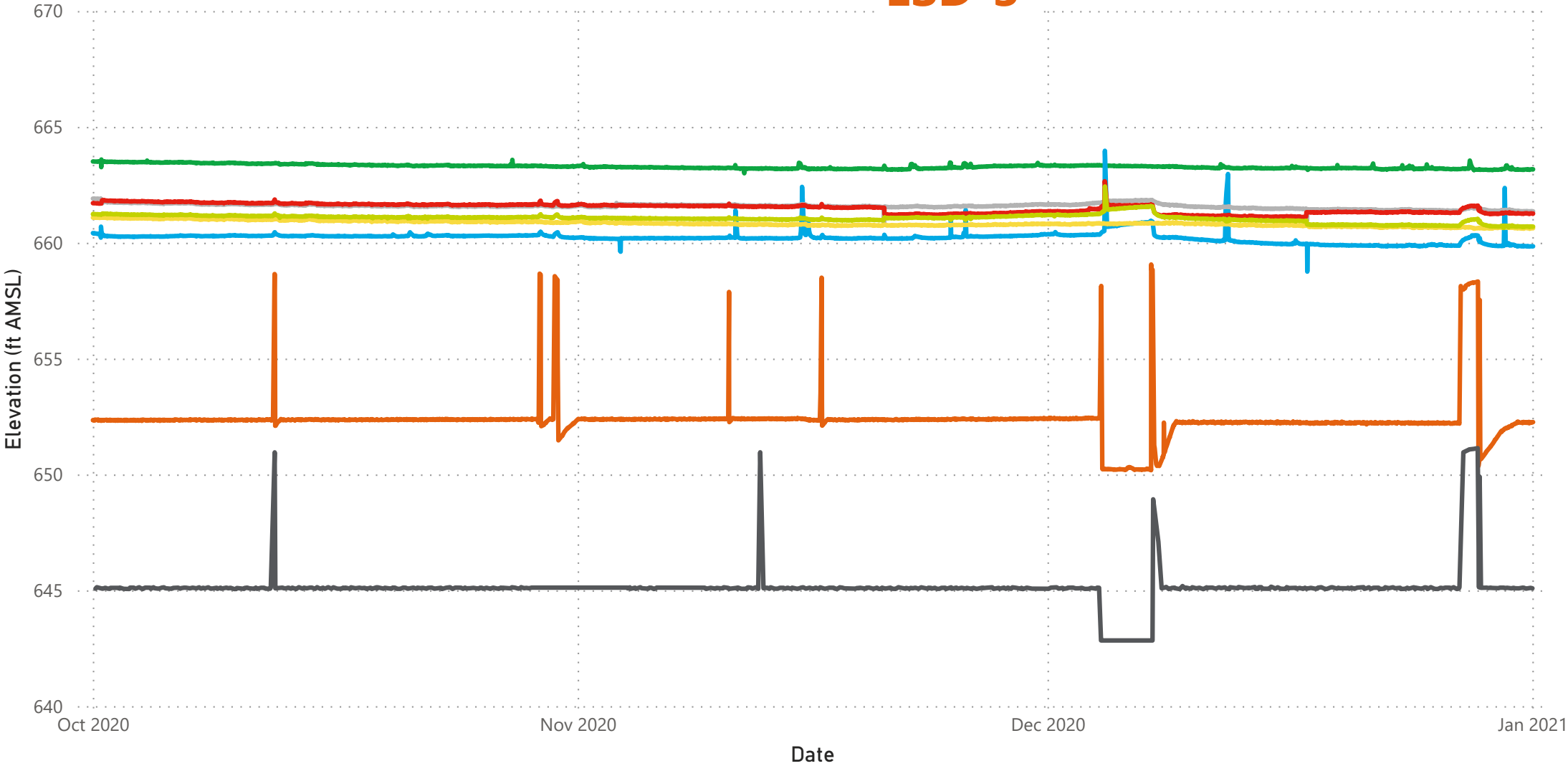
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Transducer Download Date

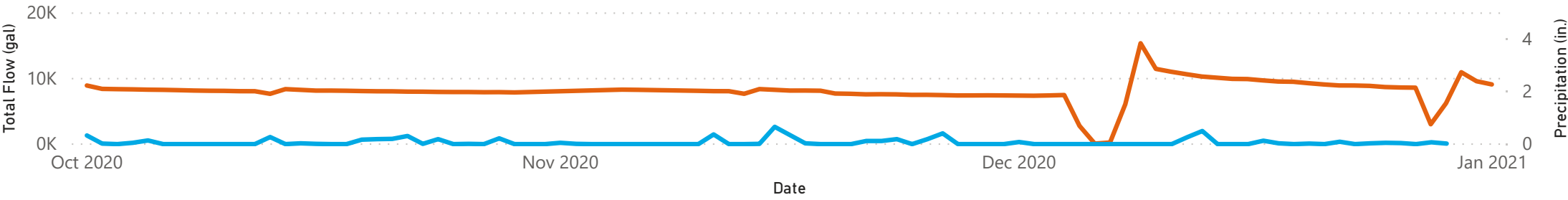
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Friday, November 20, 2020

Thursday, December 17, 2020

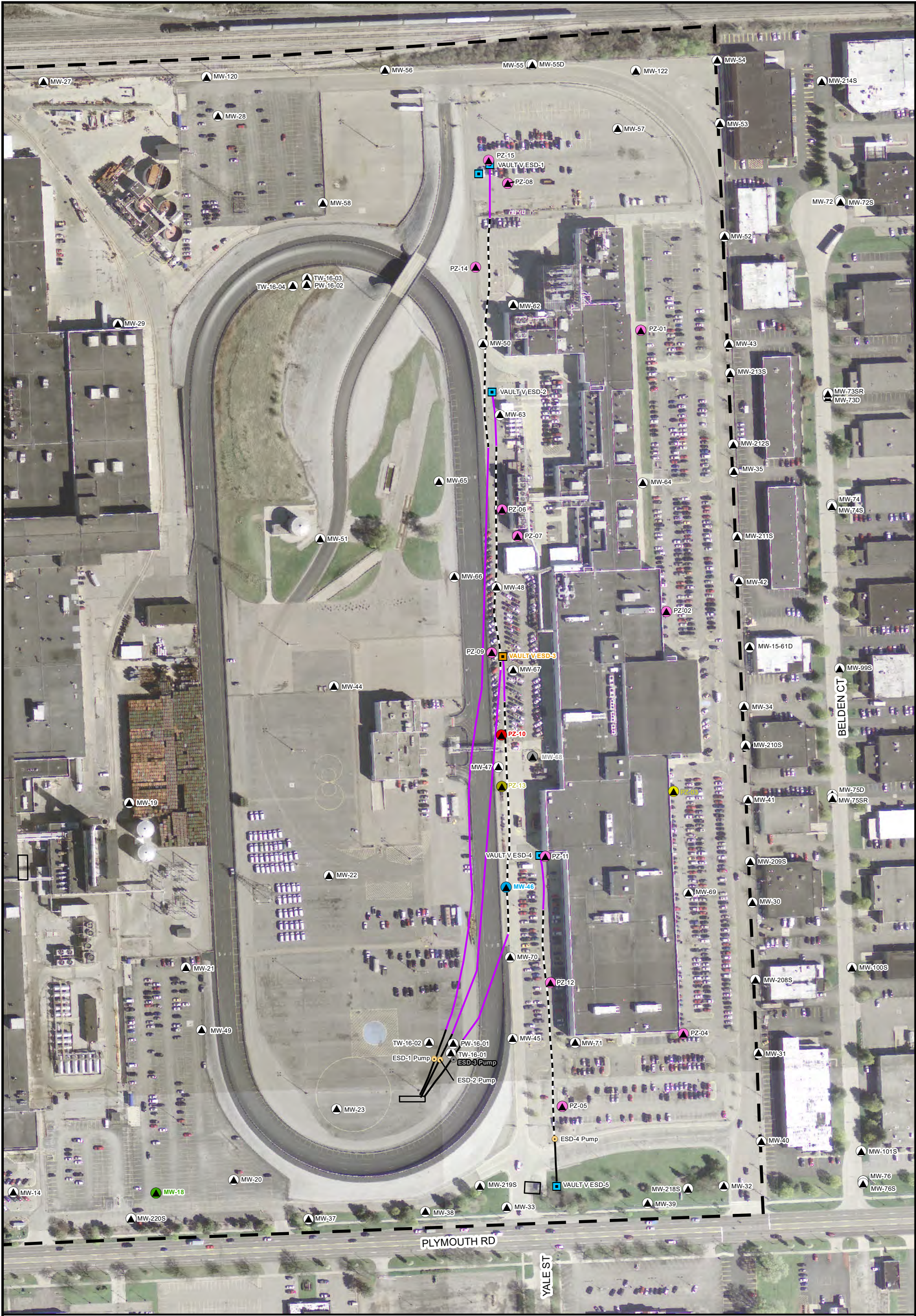


● ESD-3 Daily Flow ● Precipitation (in.)



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CITY: Novi DIV: ENV DB: MG PIC: R ELLIS PM: K HINSKEY PROJECT NUMBER: 30050315 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)
- 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

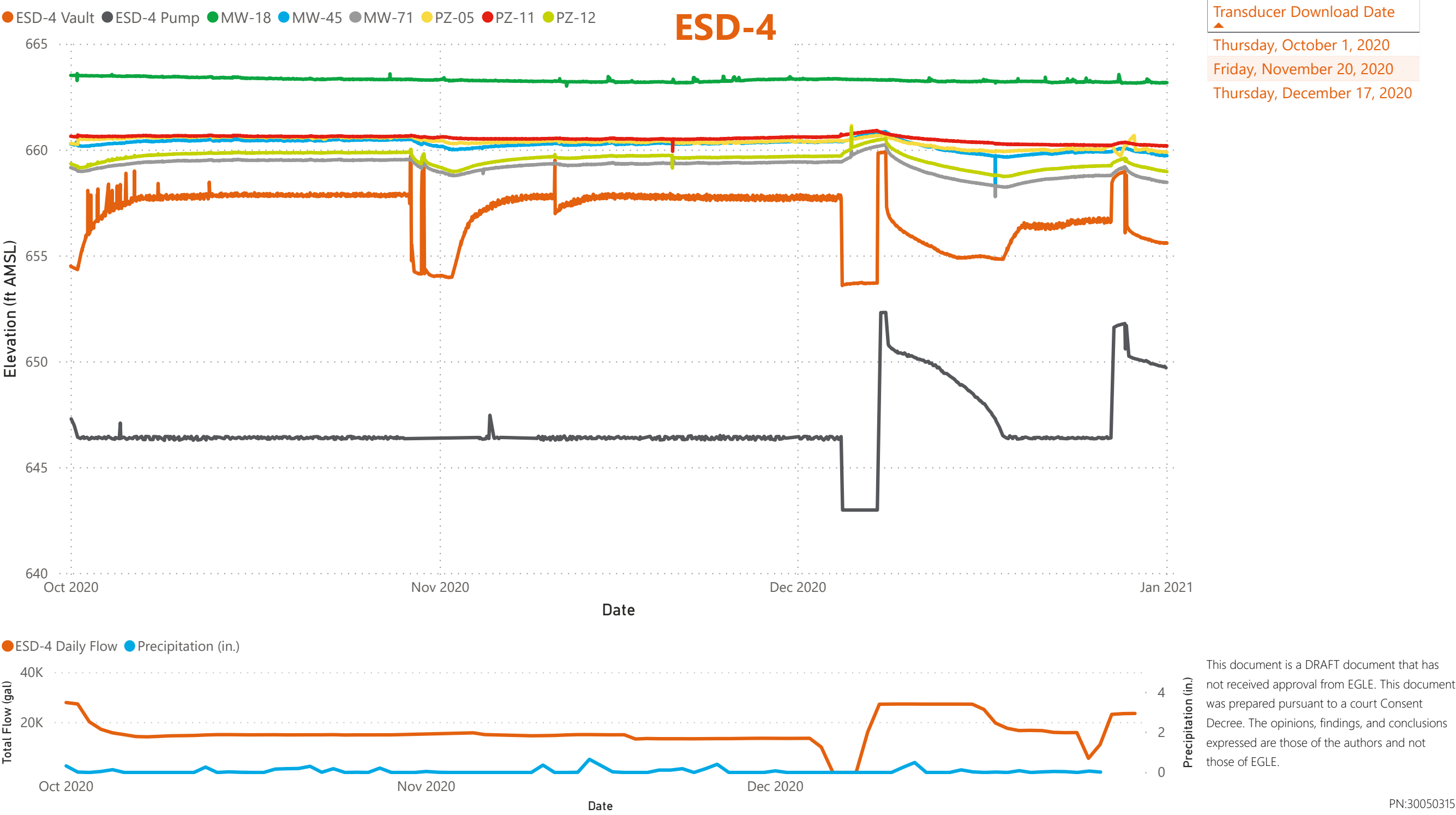
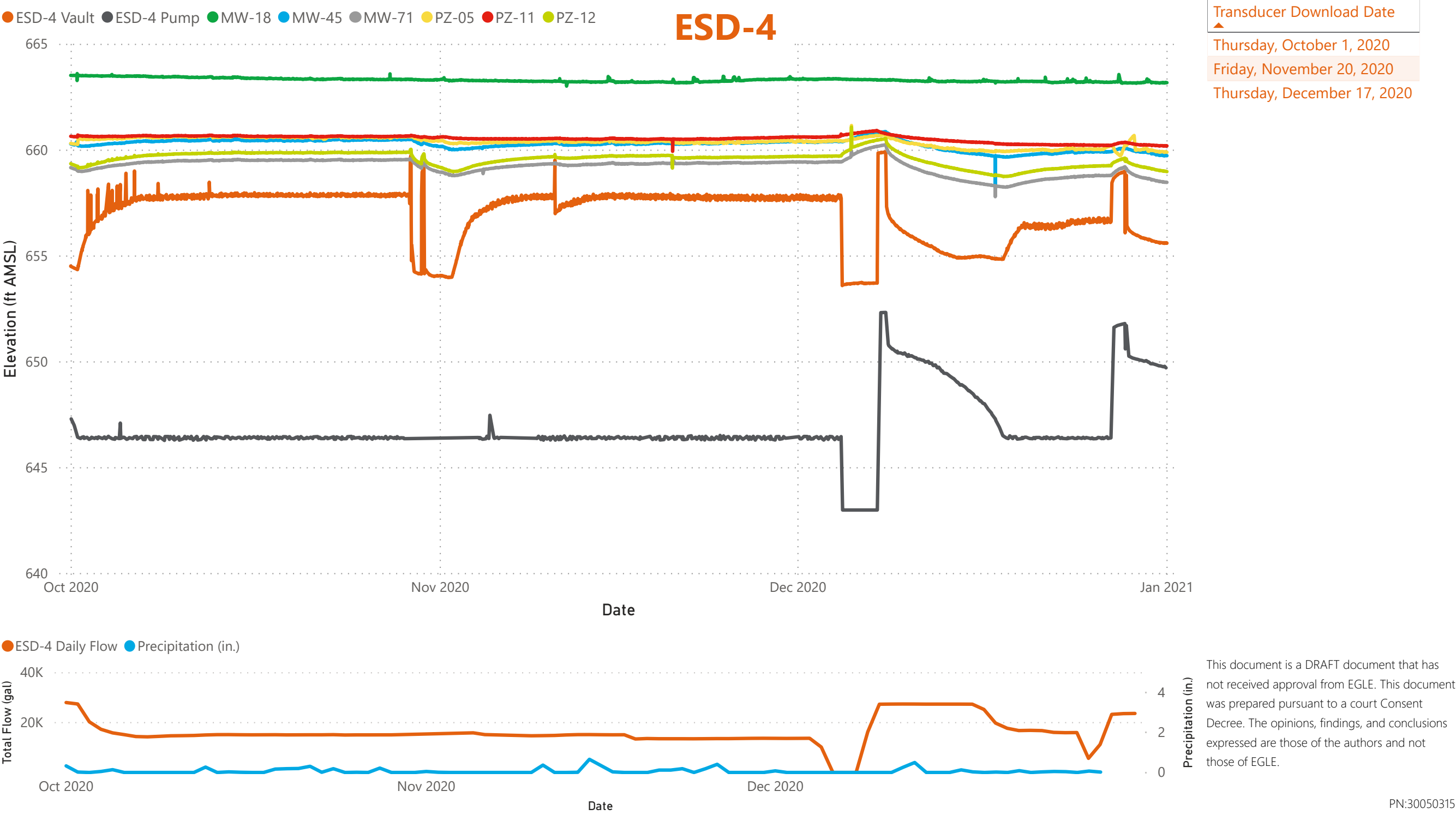
FORD MOTOR COMPANY
LIVONIA TRANSMISSION PLANT
LIVONIA, MICHIGAN

**PERFORMANCE MONITORING WELLS -
ESD-3**

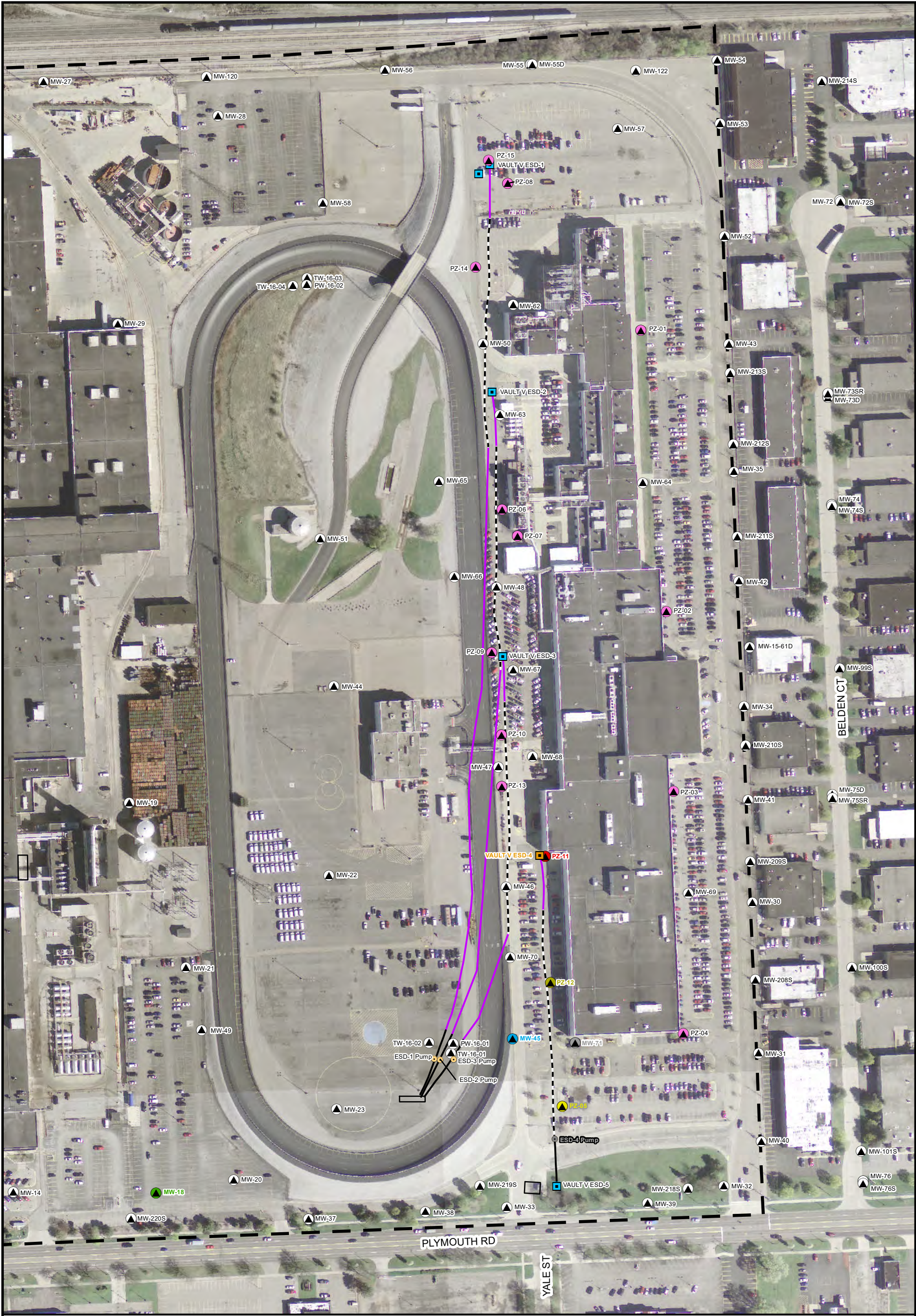


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CITY: Novi DIV: ENV DB: MG PIC: R ELLIS PM: K HINSKEY PROJECT NUMBER: 30050315 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
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LEGEND

- ▲ MONITORING WELL
- PIEZOMETER
- ESD PUMP
- VAULT
- WELL BLANK CASING (4-INCH SDR-11 HDPE)
- 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

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.

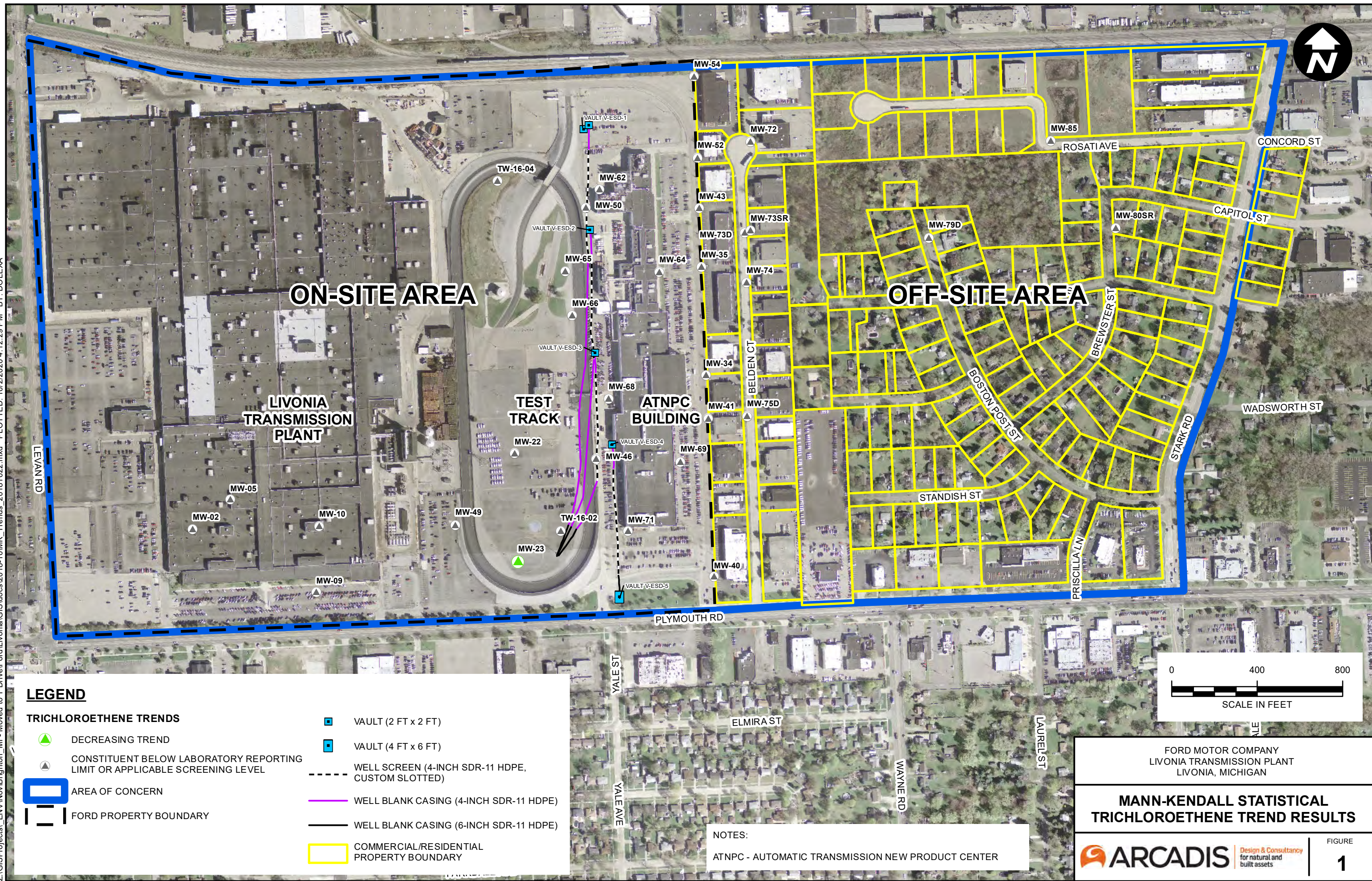
References

- 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.

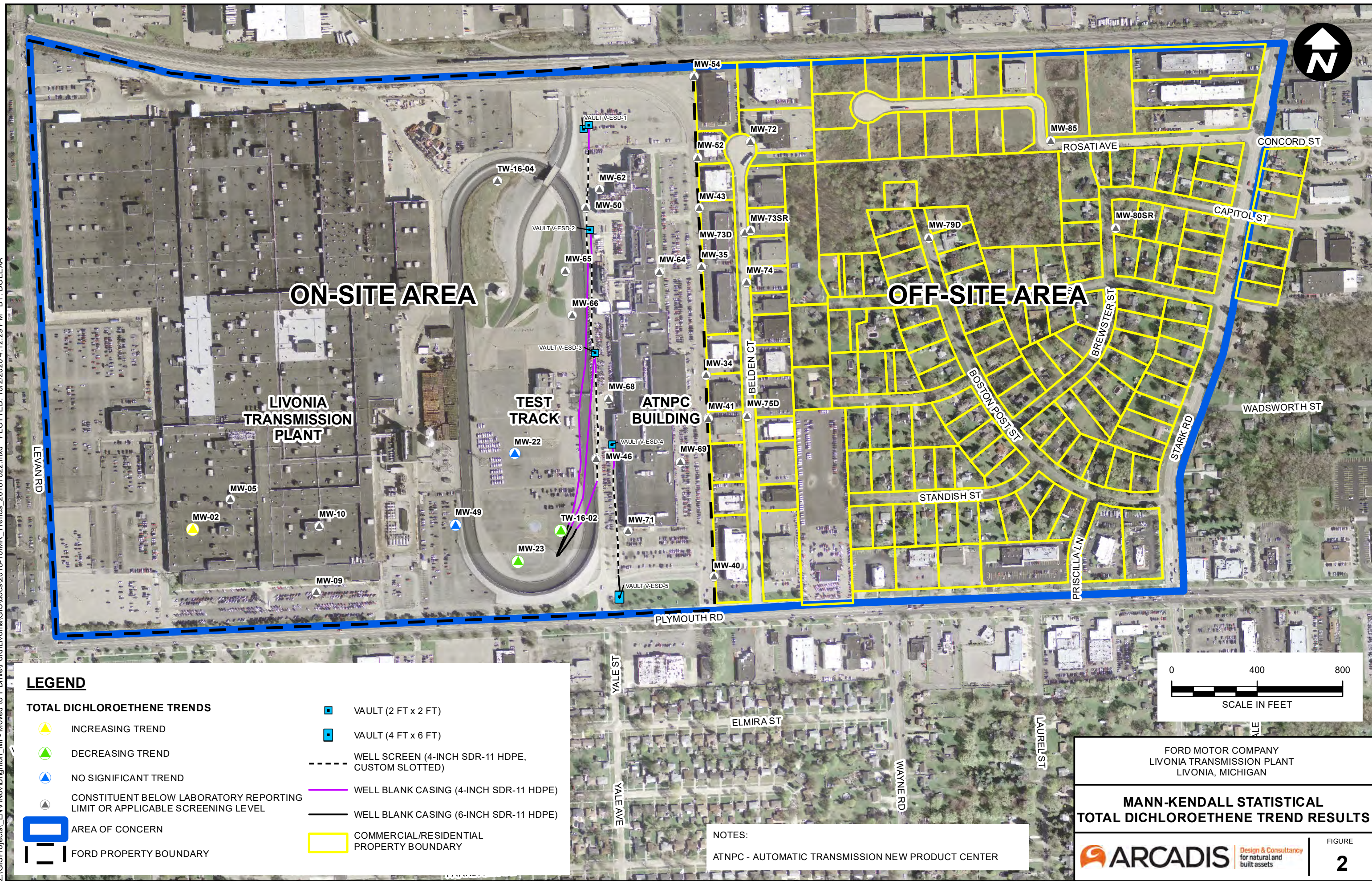
Monitoring Well	Constituent	Start Date	End Date	Minimum Concentration	Maximum Concentration	Most Recent Concentration	n	% detections	CV	S-Statistic	p-value	Trend Determination
MW-02	TCE	5/12/2016	11/17/2020	3.4 J	< 250	< 250	16	25	NA	NA	NA	NA
MW-02	Total DCE	5/12/2016	11/17/2020	550	5,080	3,630	16	100	0.5	92	< 0.01	Statistically Significant Increasing
MW-02	VC	5/12/2016	11/17/2020	140	280	210 J	16	100	0.2	10	0.34	Stable
MW-05	TCE	5/13/2016	11/18/2020	0.18 J	< 1.0	< 1.0	15	13	NA	NA	NA	NA
MW-05	Total DCE	5/13/2016	11/18/2020	0.39 J	< 1.0	< 1.0	15	13	NA	NA	NA	NA
MW-05	VC	5/13/2016	11/18/2020	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-09	TCE	5/12/2016	11/10/2020	< 1.0	< 1.0	< 1.0	14	0	NA	NA	NA	NA
MW-09	Total DCE	5/12/2016	11/10/2020	0.29 J	< 1.0	< 1.0	14	7	NA	NA	NA	NA
MW-09	VC	5/12/2016	11/10/2020	0.20 J	7.6	1.8 J	14	100	0.9	-63	< 0.01	Statistically Significant Decreasing
MW-10	TCE	5/13/2016	11/17/2020	< 10	< 330	< 330	16	6	NA	NA	NA	NA
MW-10	Total DCE	5/13/2016	11/17/2020	6.4 J	< 330	< 330	16	6	NA	NA	NA	NA
MW-10	VC	5/13/2016	11/17/2020	1,200	5,500	4,800	16	100	0.4	82	< 0.01	Statistically Significant Increasing
MW-22	TCE	5/10/2016	11/2/2020	0.25 J	< 200	< 2.5	16	6	NA	NA	NA	NA
MW-22	Total DCE	5/10/2016	11/2/2020	25	394	83	16	100	0.5	-9	0.36	Variable
MW-22	VC	5/10/2016	11/2/2020	830	2,600	1,700	16	100	0.3	-20	0.20	Potentially Decreasing
MW-23	TCE	5/10/2016	11/2/2020	1,000	25,000	2,600	14	100	0.9	-31	0.05	Statistically Significant Decreasing
MW-23	Total DCE	5/10/2016	11/2/2020	2,580	82,100	17,560	14	100	0.8	-27	0.08	Statistically Significant Decreasing
MW-23	VC	5/10/2016	11/2/2020	77 J	2,400	510 J	14	86	0.7	-31	0.05	Statistically Significant Decreasing
MW-34	TCE	5/10/2016	11/14/2020	< 1.0	< 1.0	< 1.0	16	0	NA	NA	NA	NA
MW-34	Total DCE	5/10/2016	11/14/2020	0.29 J	< 1.0	0.58 J	16	69	0.3	NA	NA	Less than screening criteria
MW-34	VC	5/10/2016	11/14/2020	0.52 J	2.2	1.8	16	100	0.5	22	0.17	Potentially Increasing
MW-35	TCE	5/10/2016	11/14/2020	0.11 J	< 1.0	< 1.0	15	7	NA	NA	NA	NA
MW-35	Total DCE	5/10/2016	11/14/2020	0.19 J	< 1.0	< 1.0	15	7	NA	NA	NA	NA
MW-35	VC	5/10/2016	11/14/2020	1.8	9.1	1.9	15	100	0.5	-1	0.50	Stable
MW-40	TCE	5/10/2016	11/14/2020	< 1.0	< 1.0	< 1.0	13	0	NA	NA	NA	NA
MW-40	Total DCE	5/10/2016	11/14/2020	2.6	4.2	3.6	13	100	0.2	NA	NA	Less than screening criteria
MW-40	VC	5/10/2016	11/14/2020	0.26 J	1.8	1.6 J	13	92	0.6	-2	0.48	Stable
MW-41	TCE	5/11/2016	11/14/2020	< 1.0	< 1.0	< 1.0	16	0	NA	NA	NA	NA
MW-41	Total DCE	5/11/2016	11/14/2020	0.77 J	3.5	1.1	16	100	0.4	NA	NA	Less than screening criteria
MW-41	VC	5/11/2016	11/14/2020	1.2	5.3	1.2	16	100	0.4	-37	0.05	Statistically Significant Decreasing
MW-43	TCE	5/11/2016	11/14/2020	< 1.0	< 5.0	< 1.0	16	0	NA	NA	NA	NA
MW-43	Total DCE	5/11/2016	11/14/2020	< 1.0	< 5.0	< 1.0	16	0	NA	NA	NA	NA
MW-43	VC	5/11/2016	11/14/2020	0.28 J	17	< 1.0	16	75	1.1	NA	NA	Less than screening criteria
MW-46	TCE	5/12/2016	11/3/2020	< 1.0	< 5.0	< 1.0	16	0	NA	NA	NA	NA
MW-46	Total DCE	5/12/2016	11/3/2020	1.6 J	26	6.2	16	100	0.7	NA	NA	Less than screening criteria
MW-46	VC	5/12/2016	11/3/2020	13	150	21	16	100	0.8	-26	0.13	Potentially Decreasing
MW-49	TCE	5/12/2016	11/11/2020	< 50	< 2,500	< 1,000	15	0	NA	NA	NA	NA
MW-49	Total DCE	5/12/2016	11/11/2020	13,000	43,000	38,000	15	100	0.4	-8	0.36	Stable
MW-49	VC	5/12/2016	11/11/2020	3,700	15,000	8,000	15	100	0.3	-27	0.10	Statistically Significant Decreasing
MW-50	TCE	5/11/2016	11/2/2020	< 1.0	< 10	< 3.3	16	0	NA	NA	NA	NA
MW-50	Total DCE	5/11/2016	11/2/2020	2.3	23	2.3	16	100	0.4	NA	NA	Less than screening criteria
MW-50	VC	5/11/2016	11/2/2020	48	240	57	16	100	0.4	29	0.10	Statistically Significant Increasing
MW-52	TCE	5/11/2016	11/14/2020	< 1.0	< 5.0	< 1.0	15	0	NA	NA	NA	NA
MW-52	Total DCE	5/11/2016	11/14/2020	< 1.0	< 5.0	< 1.0	15	0	NA	NA	NA	NA
MW-52	VC	5/11/2016	11/14/2020	3.0 J	9.1	3.5	15	100	0.3	-45	0.01	Statistically Significant Decreasing
MW-54	TCE	7/27/2017	11/5/2020	< 1.0	< 1.0	< 1.0	13	0	NA	NA	NA	NA
MW-54	Total DCE	7/27/2017	11/5/2020	< 1.0	< 1.0	< 1.0	13	0	NA	NA	NA	NA
MW-54	VC	7/27/2017	11/5/2020	0.34 J	1.5	0.99 J	13	100	0.3	1	0.50	Stable
MW-62	TCE	4/21/2017	11/2/2020	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-62	Total DCE	4/21/2017	11/2/2020	0.23 J	1.6	< 1.0	15	47	0.9	NA	NA	Less than screening criteria
MW-62	VC	4/21/2017	11/2/2020	0.62 J	1.5	0.77 J	15	93	0.3	NA	NA	Less than screening criteria
MW-64	TCE	4/24/2017	11/10/2020	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-64	Total DCE	4/24/2017	11/10/2020	0.18 J	0.37 J	0.32 J	15	73	0.2	NA	NA	Less than screening criteria
MW-64	VC	4/24/2017	11/10/2020	0.69 J	9.9	4.3	15	100	0.6	-9	0.35	Variable
MW-65	TCE	4/25/2017	11/2/2020	< 1.0	< 4.0	< 1.0	15	0	NA	NA	NA	NA
MW-65	Total DCE	4/25/2017	11/2/2020	3.3	7.0	6.7	15	100	0.2	NA	NA	Less than screening criteria
MW-65	VC	4/25/2017	11/2/2020	17	61	17	15	100	0.3	-71	< 0.01	Statistically Significant Decreasing
MW-66	TCE	4/25/2017	11/2/2020	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-66	Total DCE	4/25/2017	11/2/2020	0.19 J	< 1.0	< 1.0	15	7	NA	NA	NA	NA
MW-66	VC	4/25/2017	11/2/2020	0.81 J	5.6	2.5	15	93	0.5	-24	0.13	Potentially Decreasing
MW-68	TCE	4/24/2017	11/3/2020	0.26 J	< 2.0	< 2.0	15	20	NA	NA	NA	NA
MW-68	Total DCE	4/24/2017	11/3/2020	11	45	43	15	100	0.4	NA	NA	Less than screening criteria
MW-68	VC	4/24/2017	11/3/2020	2.1	19	5.3	15	100	0.7	9	0.35	Variable
MW-69	TCE	4/25/2017	11/10/2020	< 1.0	< 1.0	< 1.0	14	0	NA	NA	NA	NA
MW-69	Total DCE	4/25/2017	11/10/2020	0.19 J	< 1.0	0.26 J	14	50	NA	NA	NA	NA
MW-69	VC	4/25/2017	11/10/2020	< 1.0	5.0	3.8	14	86	0.3	43	0.01	Statistically Significant Increasing
MW-71	TCE	4/24/2017	11/10/2020	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-71	Total DCE	4/24/2017	11/10/2020	0.30 J	0.71 J	0.71 J	15	80	0.3	NA	NA	Less than screening criteria
MW-71	VC	4/24/2017	11/10/2020	0.29 J	0.83 J	0.32 J	15	80	0.4	NA	NA	Less than screening criteria
MW-72	TCE	5/22/2017	11/17/2020	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-72	Total DCE	7/26/2017	11/17/2020	< 1.0	< 1.0	< 1.0	14	0	NA	NA	NA	NA
MW-72	VC	5/22/2017	11/17/2020	1.1	3.9	1.7	15	100	0.4	0	0.52	Stable
MW-73D	TCE	5/22/2017	11/17/2020	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-73D	Total DCE	7/26/2017	11/17/2020	0.19 J	< 1.0	< 1.0	14	43	0.3	NA	NA	Less than screening criteria
MW-73D	VC	5/22/2017	11/17/2020	0.28 J	1.3	< 1.0	15	60	0.4	NA	NA	Less than screening criteria
MW-73SR	TCE	12/17/2018	11/17/2020	0.15 J	< 1.0	0.16 J	9	56	0.4	NA	NA	Less than screening criteria
MW-73SR	Total DCE	12/17/2018	11/17/2020	1.3	3.4	2.5	9	100	0.3	NA	NA	Less than screening criteria
MW-73SR	VC	12/17/2018	11/17/2020	0.85 J	1.7	0.85 J	9	78	0.3	NA	NA	Less than screening criteria
MW-74	TCE	5/23/2017	11/16/2020	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-74	Total DCE	7/26/2017	11/16/2020	0.41 J	1.7	< 1.0	14	79	0.5	NA	NA	Less than screening criteria
MW-74	VC	5/23/2017	11/16/2020	0.70 J	4.1	4.1	15	73	0.4	1	0.50	Stable
MW-75D	TCE	5/23/2017	11/13/2020	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-75D	Total DCE	7/26/2017	11/13/2020	< 1.0	< 1.0	< 1.0	14	0	NA	NA	NA	NA
MW-75D	VC	5/23/2017	11/13/2020	1.0	6.4	2.2 J	15	100	0.6	-48	< 0.01	Statistically Significant Decreasing
MW-79D	TCE	5/24/2017	11/11/2020	0.11 J	< 1.0	0.11 J	15	7	NA	NA	NA	NA
MW-79D	Total DCE	7/25/2017	11/11/2020	< 1.0	< 1.0	< 1.0	14	0	NA	NA	NA	NA
MW-79D	VC	5/24/2017	11/11/2020	1.3	4.1	1.3	15	100	0.4	-59	< 0.01	Statistically Significant Decreasing
MW-80SR	TCE	12/27/2018	11/6/2020	< 1.0	< 1.0	< 1.0	9	0	NA	NA	NA	NA
MW-80SR	Total DCE	12/27/2018	11/6/2020	0.18 J	< 1.0	< 1.0	9	11	NA	NA	NA	NA
MW-80SR	VC	12/27/2018	11/6/2020	1.4	4.3	4.3	9	100	0.4	21	0.02	Statistically Significant Increasing
MW-85	TCE	5/25/2017	11/11/2020	< 1.0	< 1.0	< 1.0	15	0	NA	NA	NA	NA
MW-85	Total DCE	7/25/2017	11/11/2020	< 1.0	< 1.0	< 1.0	14	0	NA	NA	NA	NA
MW-85	VC	5/25/2017	11/11/2020	3.9	8.6	5.4	15	100	0.2	-70	< 0.01	Statistically Significant Decreasing
TW-16-02	TCE	4/25/2017	11/5/2020	< 20	< 1,000	< 250	14	0	NA	NA	NA	NA
TW-16-02	Total DCE	4/25/2017	11/5/2020	170	7,830	980	14	100	0.6	-37	0.02	Statistically Significant Decreasing
TW-16-02	VC	4/25/2017	11/5/2020	420	15,000	5,100	14	100	0.6	-58	< 0.01	Statistically Significant Decreasing
TW-16-04	TCE	4/25/2017	11/5/2020	< 1.0	< 6.7	< 1.0	14	0	NA	NA	NA	NA
TW-16-04	Total DCE	4/25/2017	11/5/2020	12	25	14	14	100	0.2	NA	NA	Less than screening criteria
TW-16-04	VC	4/25/2017	11/5/2020	20	150	30	14	100	0.6	-78	< 0.01	Statistically Significant Decreasing

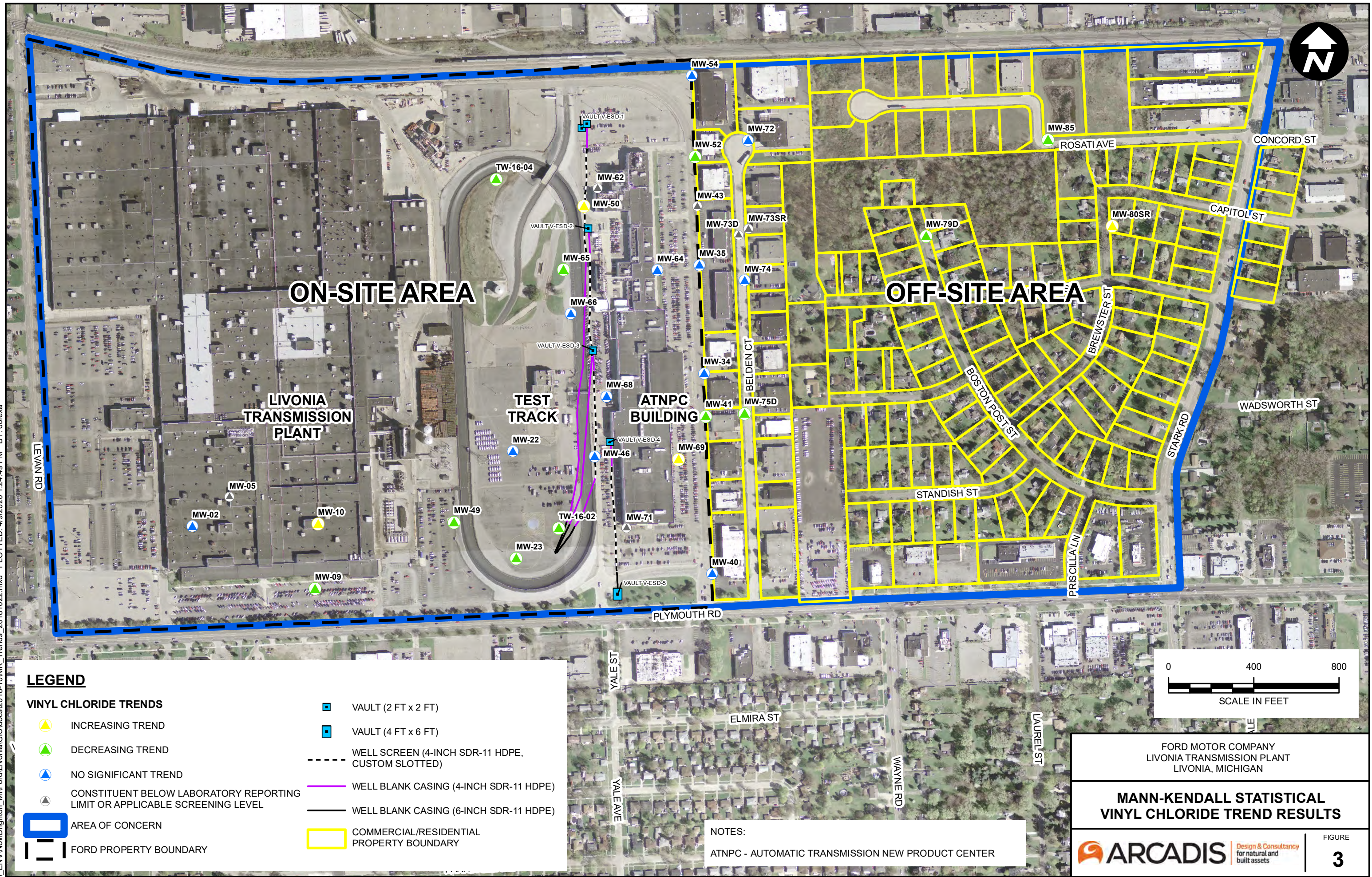
Notes:
< = less than the posted reporting limit
% = percent
CV = coefficient of variation; low values indicate stable concentrations. Values near or greater than 1 suggest variability and/or a temporal trend.
DCE = dichloroethene
n = number of samples included in analysis
NA = not applicable due to elevated 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.

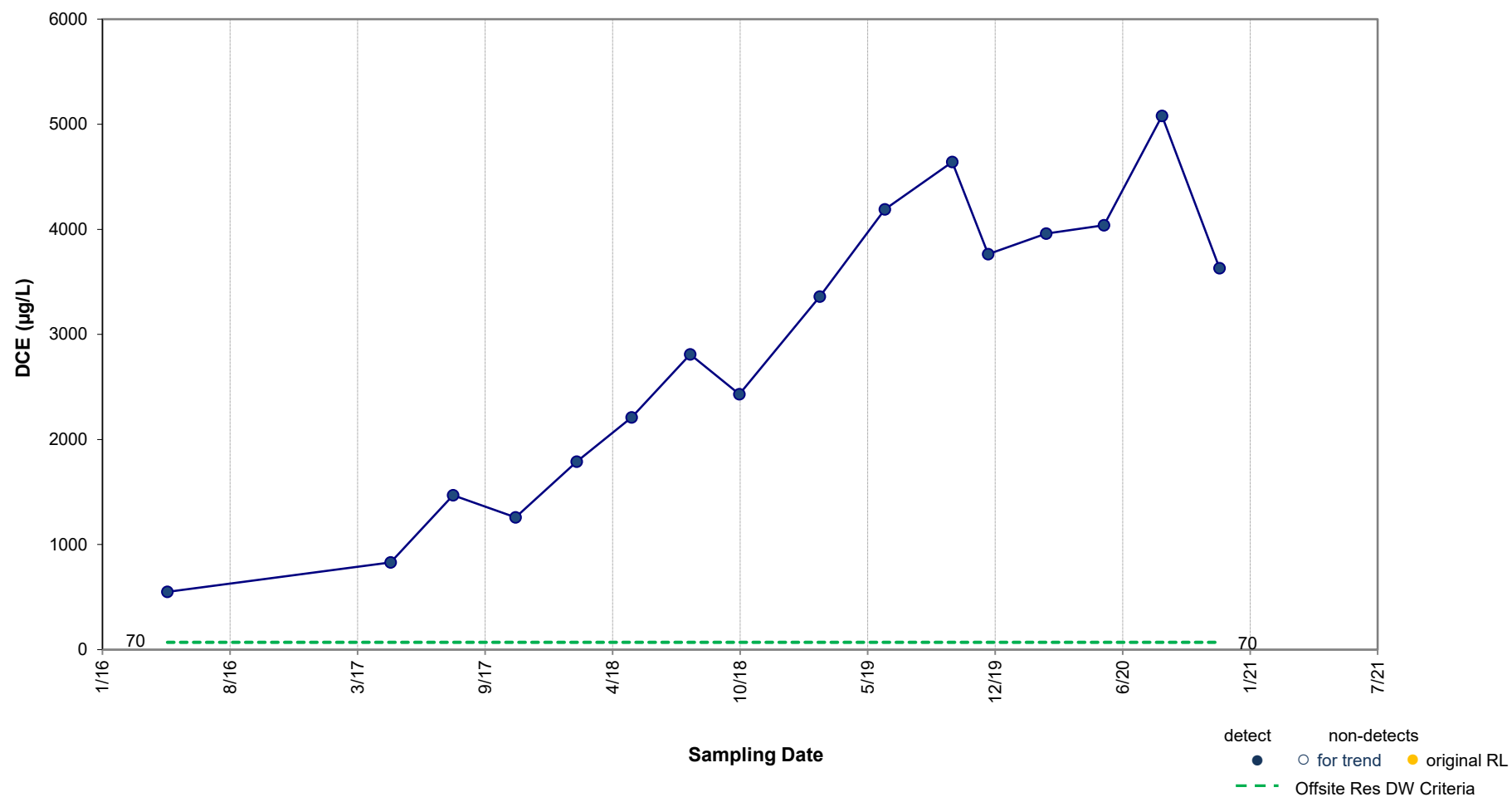
CITY: Novi DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY PROJECT NUMBER: 30050315 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet
Z:\GIS\Projects\ENV\Novi\Brighton MI - Moved to T Drive\Ford\Livonia\GIS\docs\2018-10\WK Trends_20181022.mxd PLOTTED: 10/2/2020 4:12:29 PM BY: DOLEXA



CITY: Novi DIV: ENV DB: MG PIC: R. ELLIS PM: K. HINSKEY PROJECT NUMBER: 30050315 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Z:\GISProjects\ENV\Novi\Brighton MI - Moved to T Drive\Ford\Livonia\GIS\docs\2018-10\WK Trends_20181022.mxd PLOTTED: 10/2/2020 4:12:29 PM BY: DOLEXA





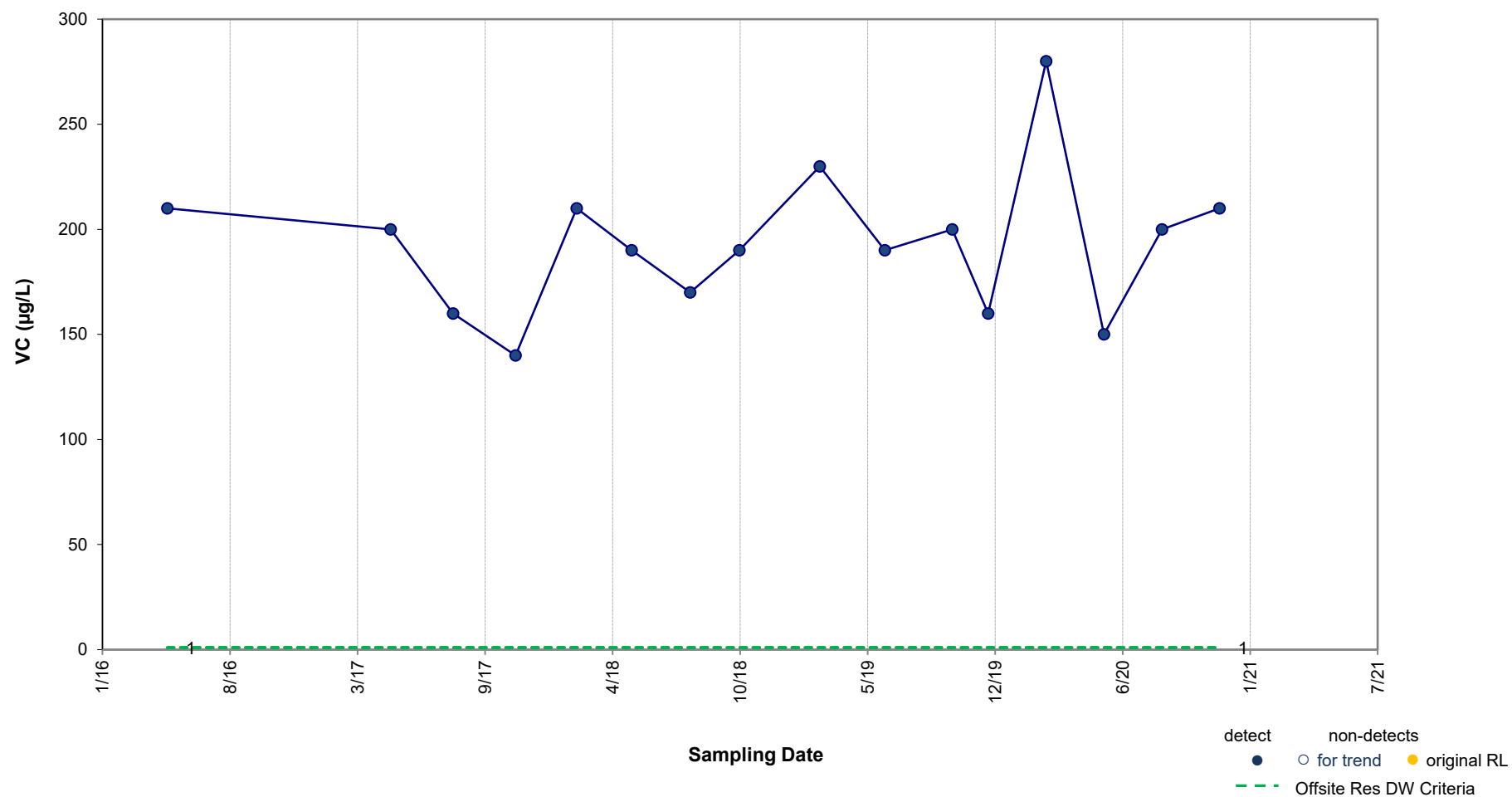


Results of Mann-Kendall Test for Trend:

INCREASING TREND

p value = <0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

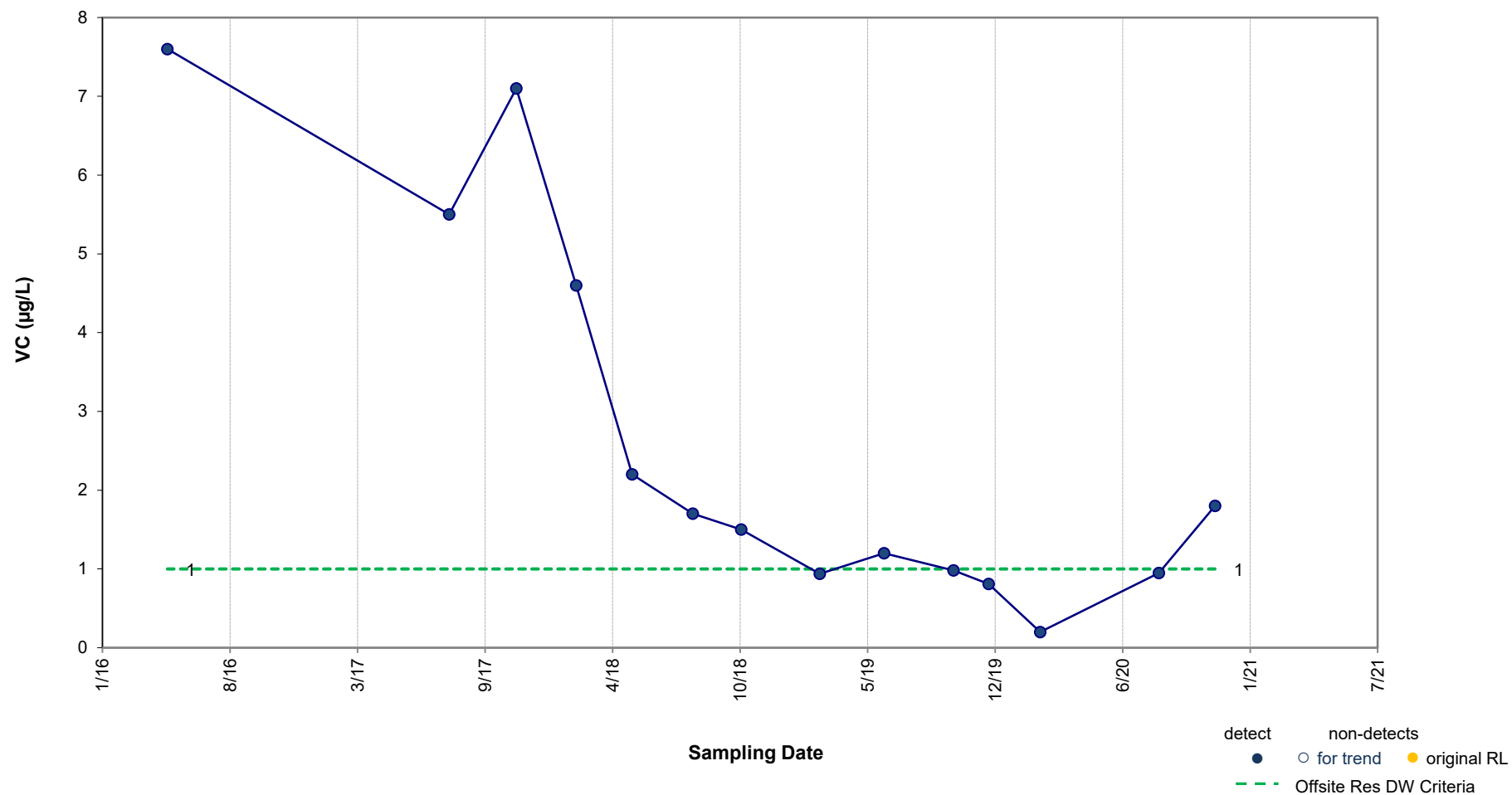


Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.341

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

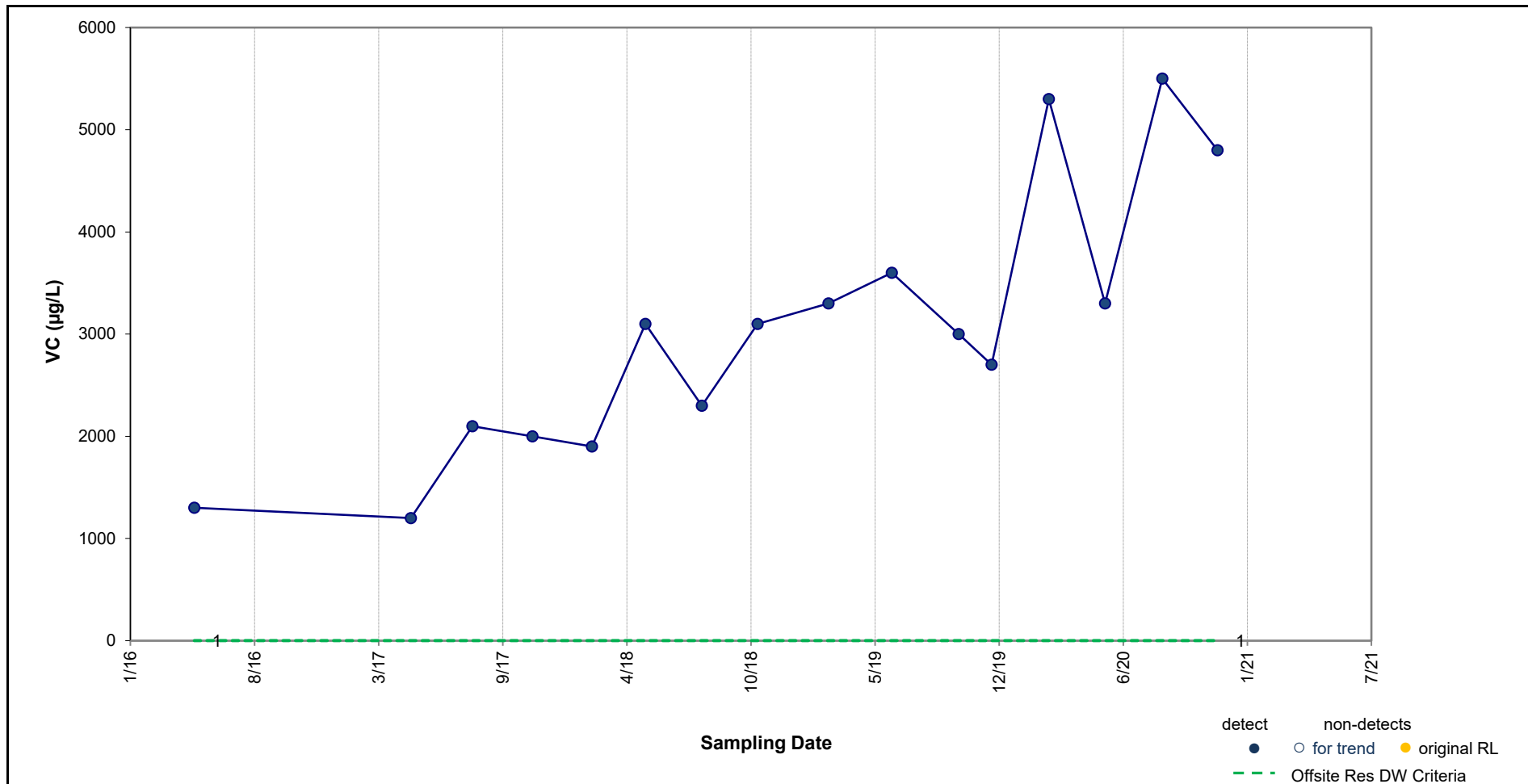


Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = <0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

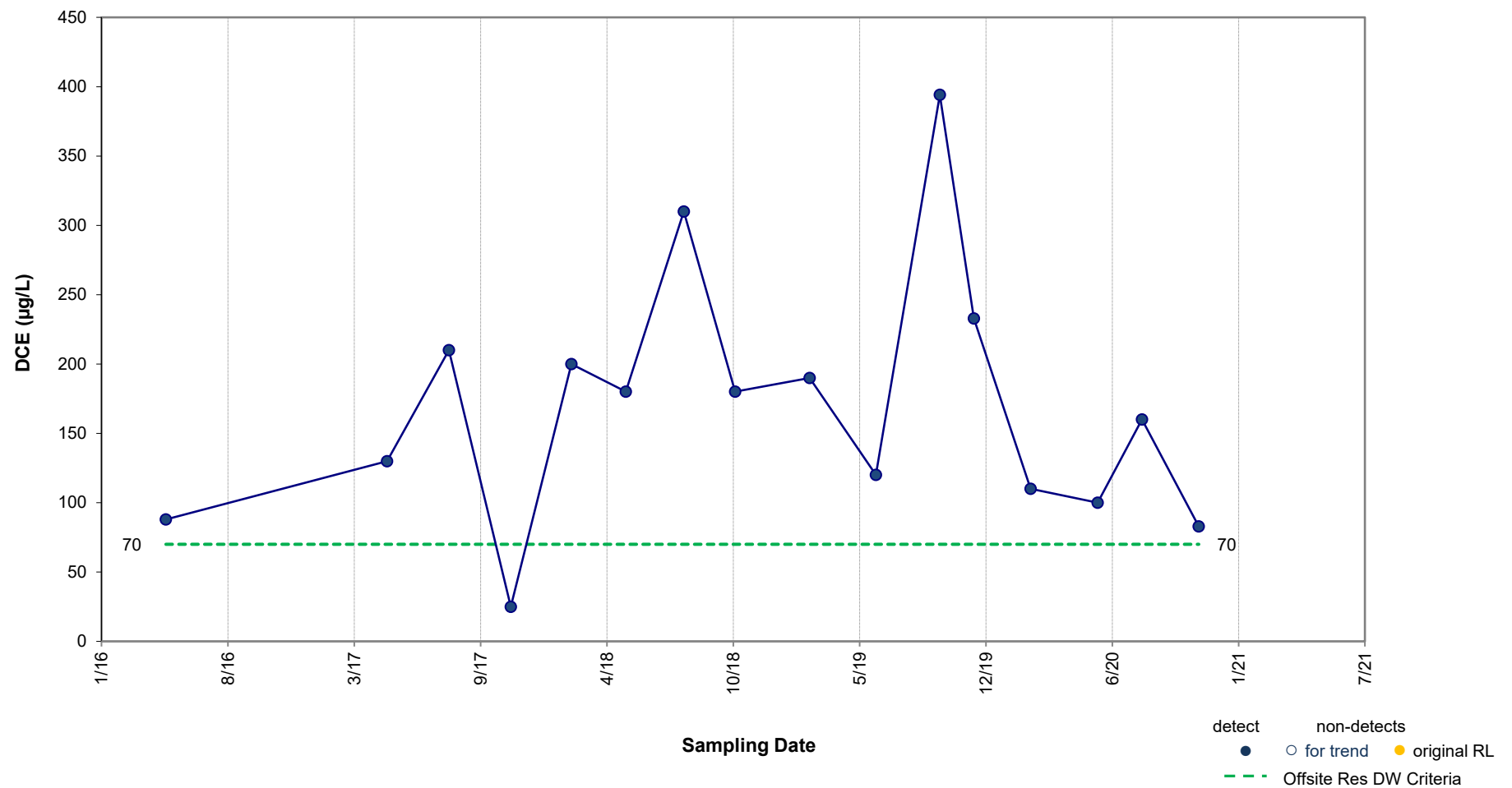


Results of Mann-Kendall Test for Trend:

INCREASING TREND

p value = <0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

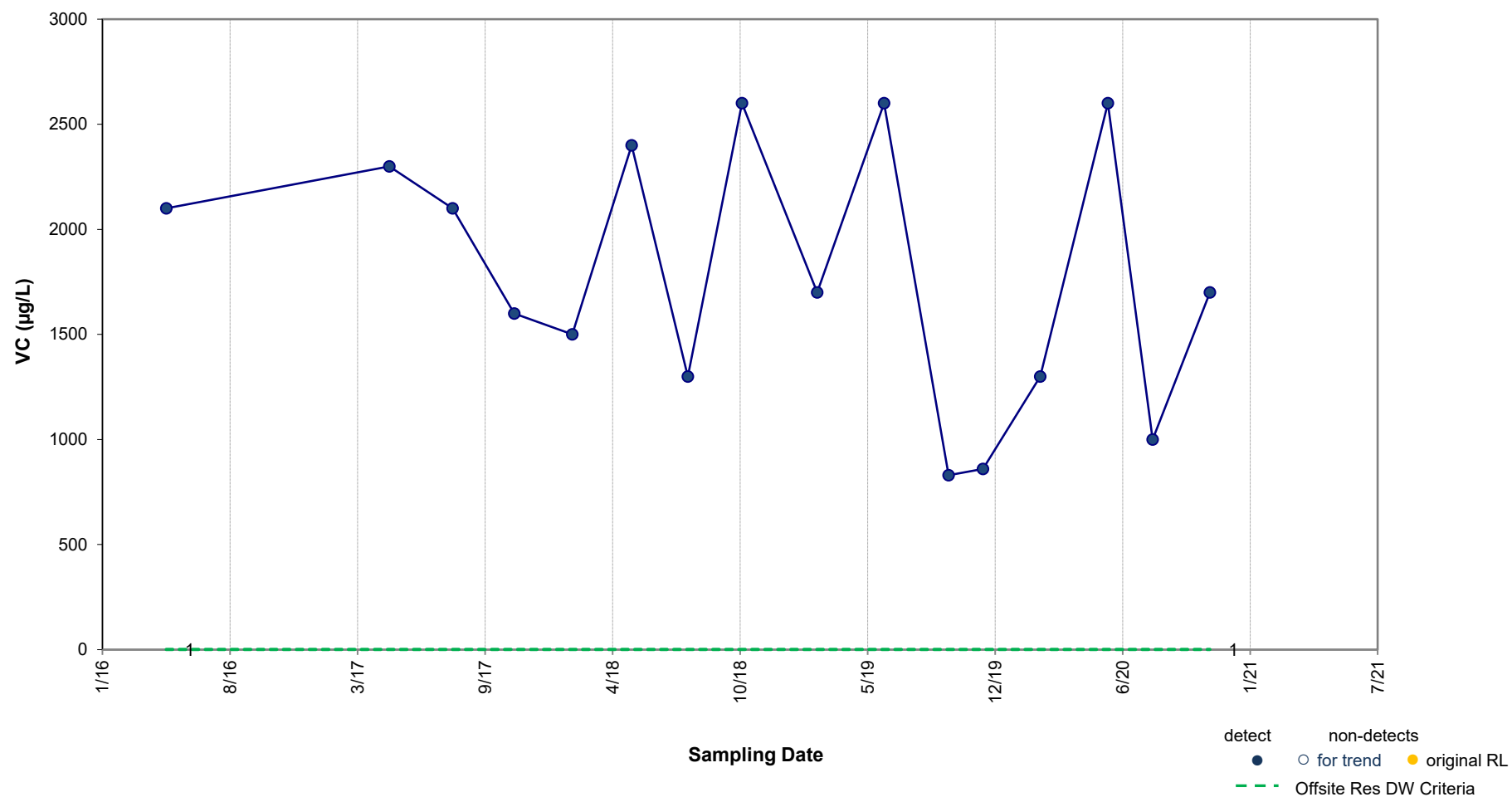


Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.359

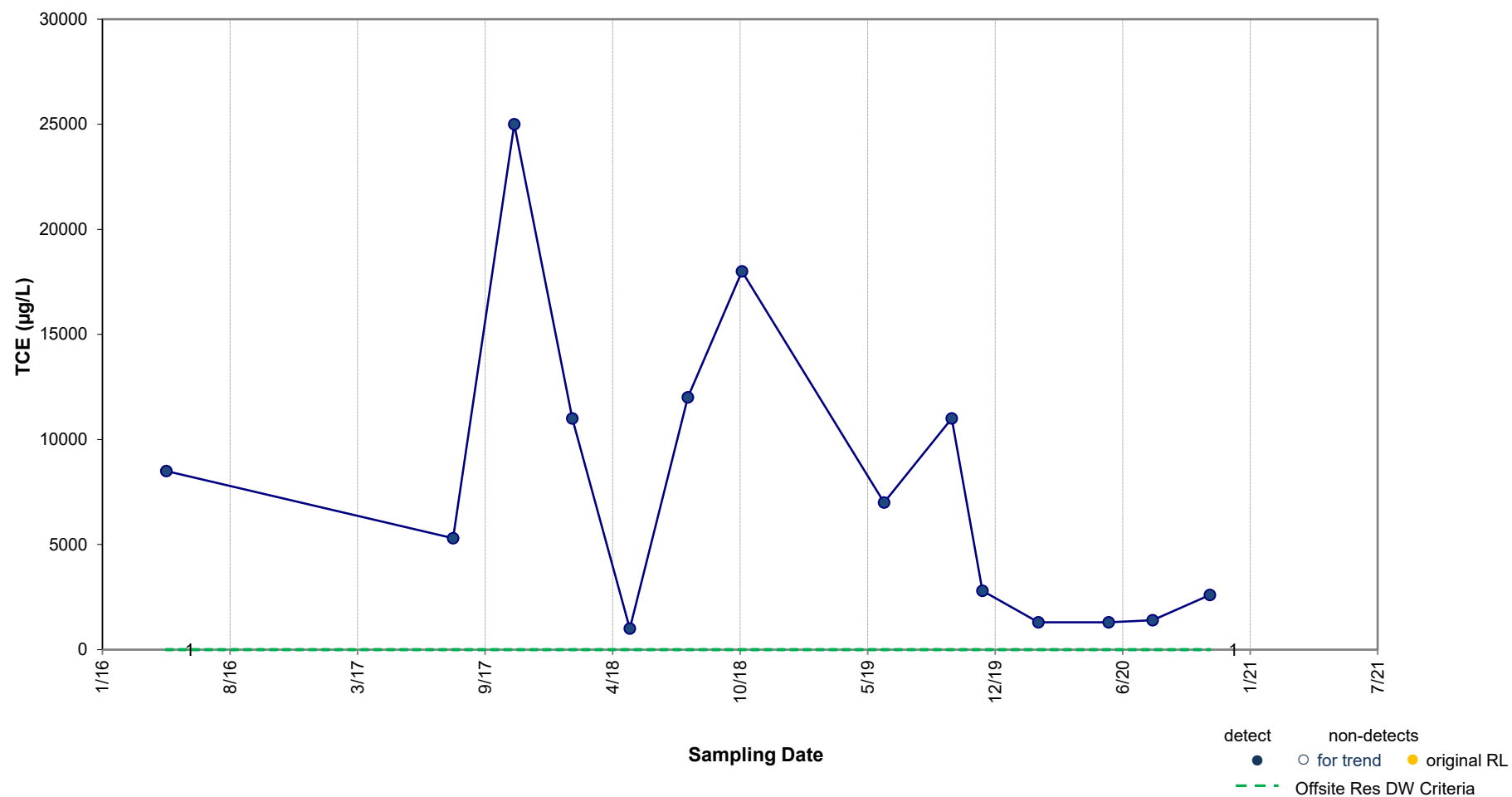
Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.195 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



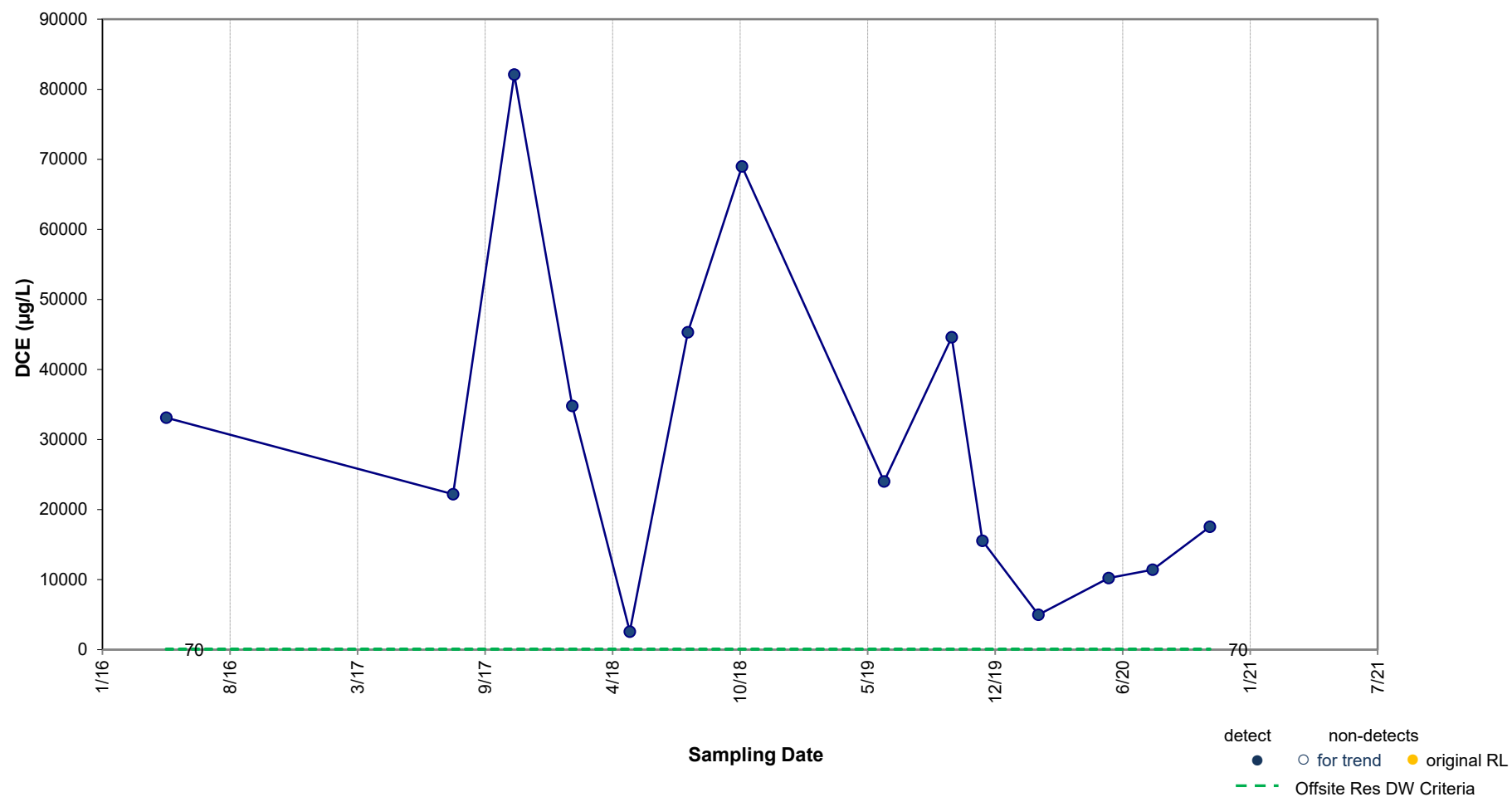
Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value =

0.050

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

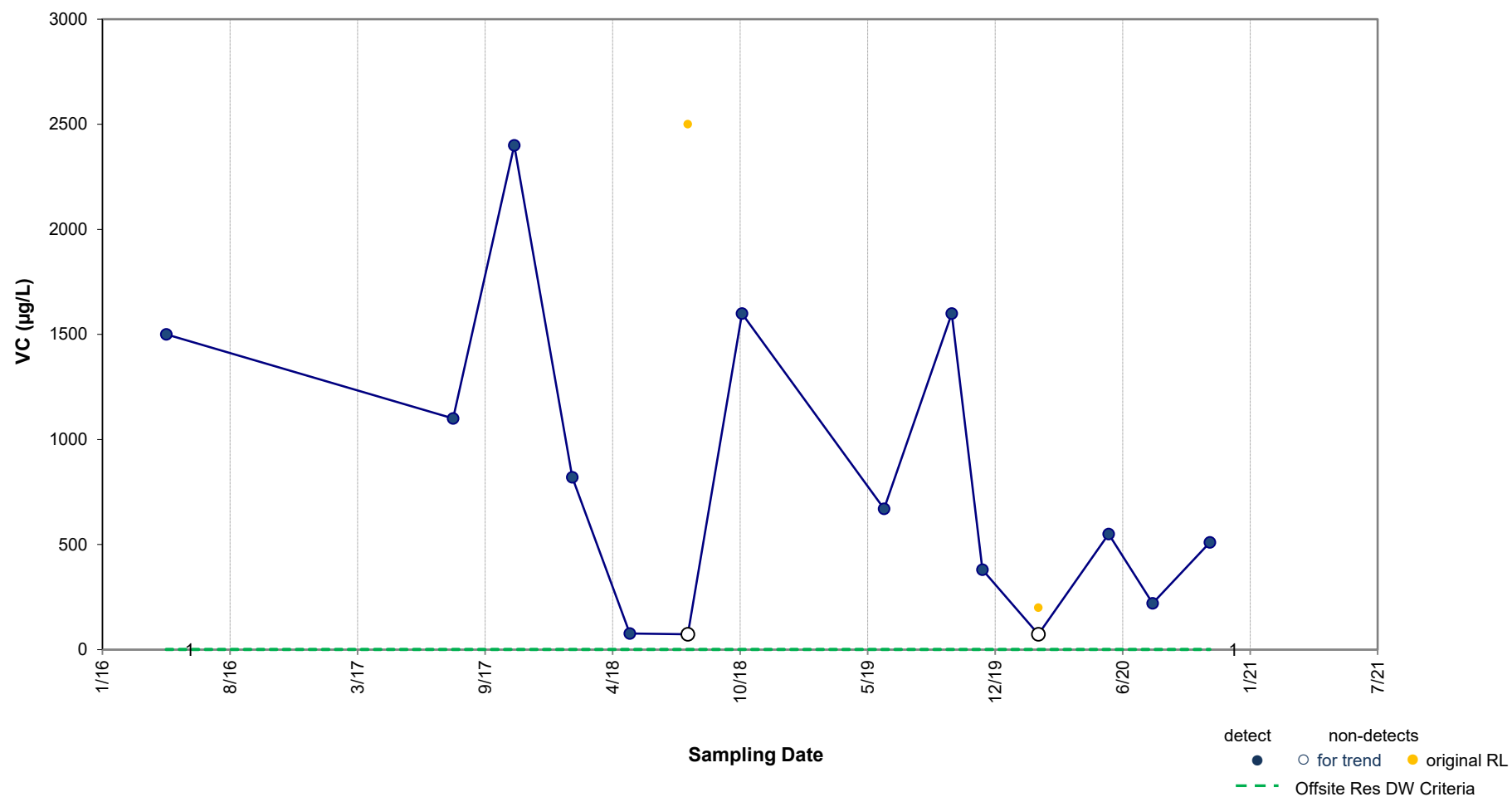


Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = 0.077

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

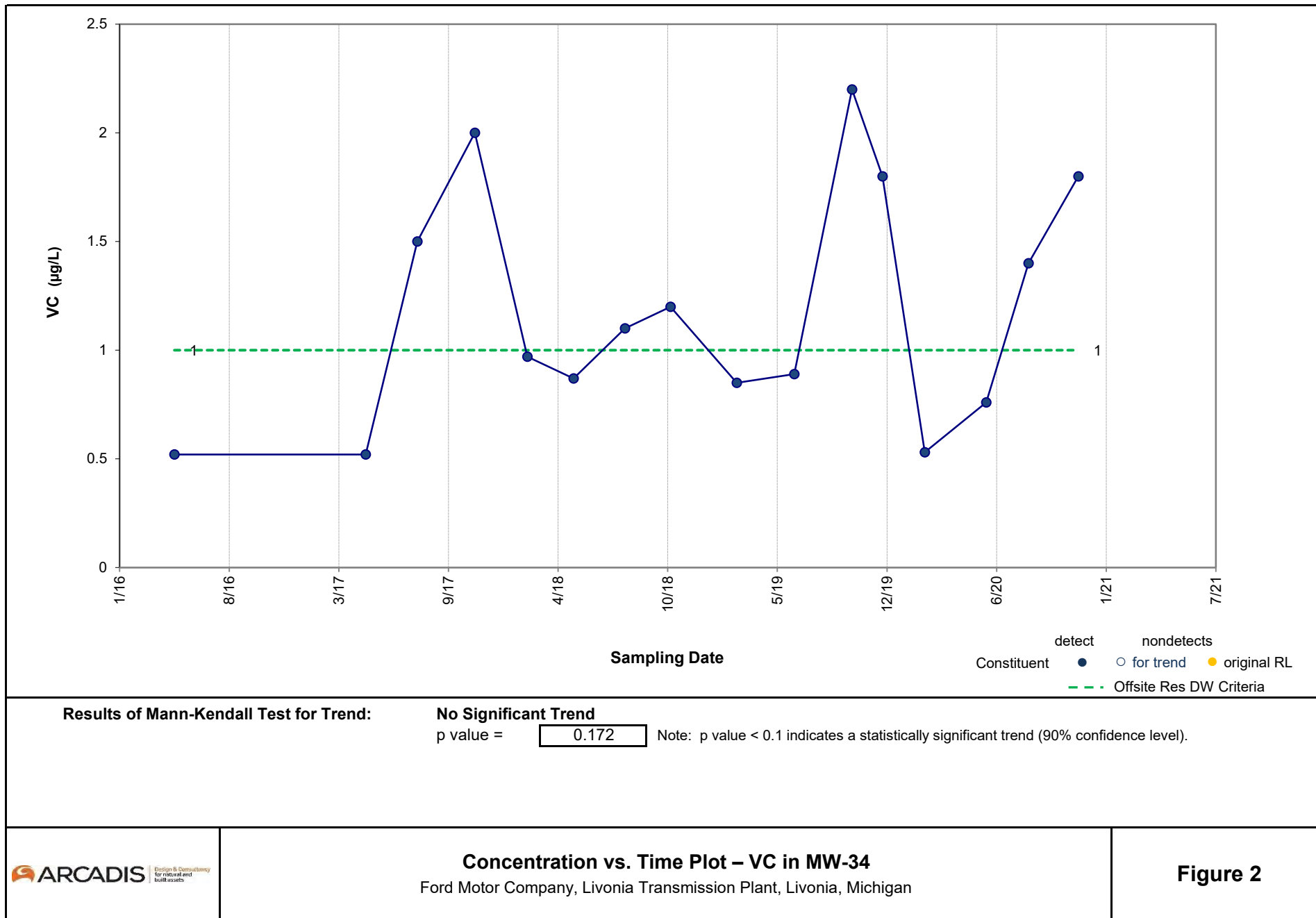


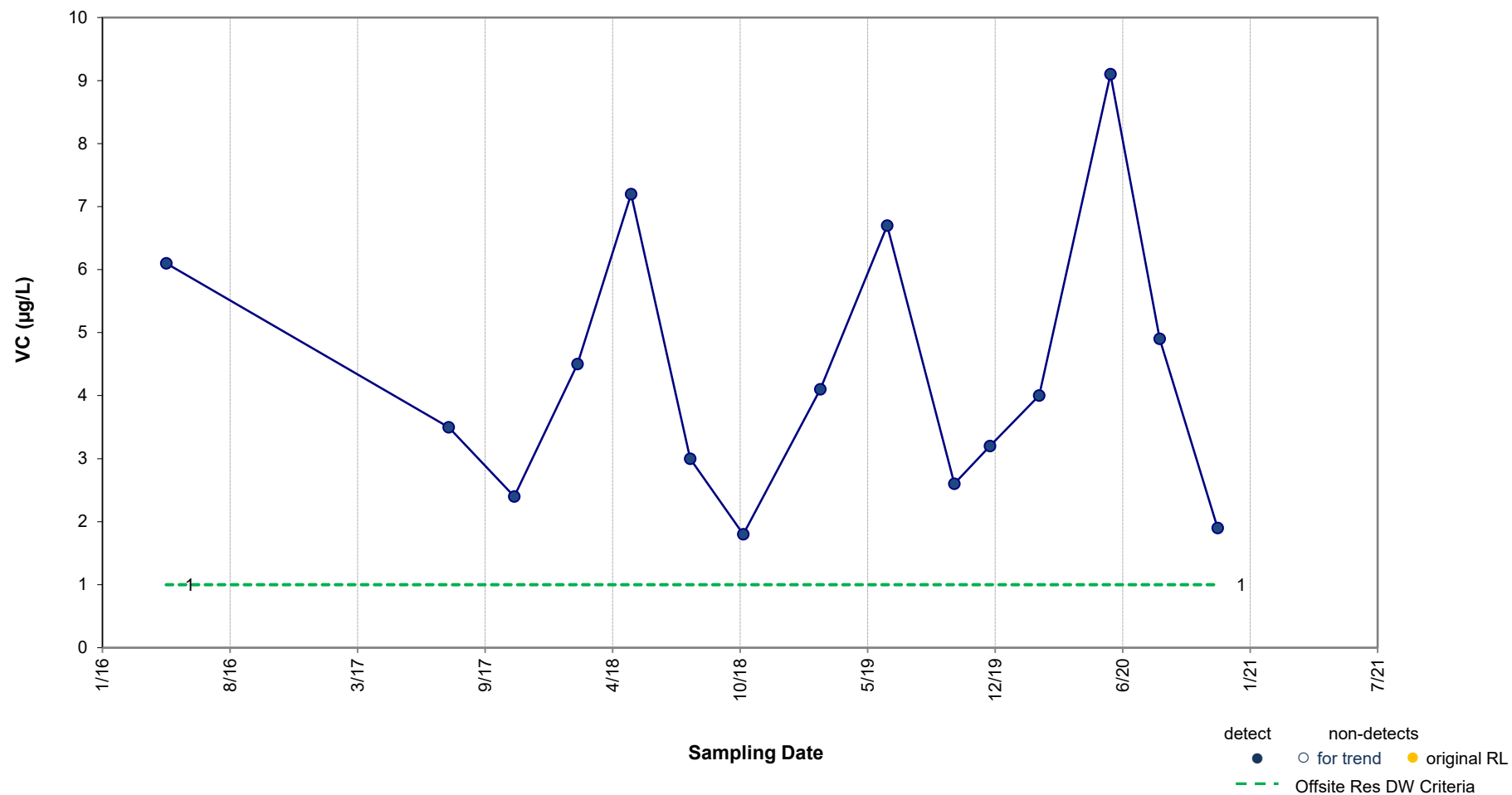
Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = 0.050

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



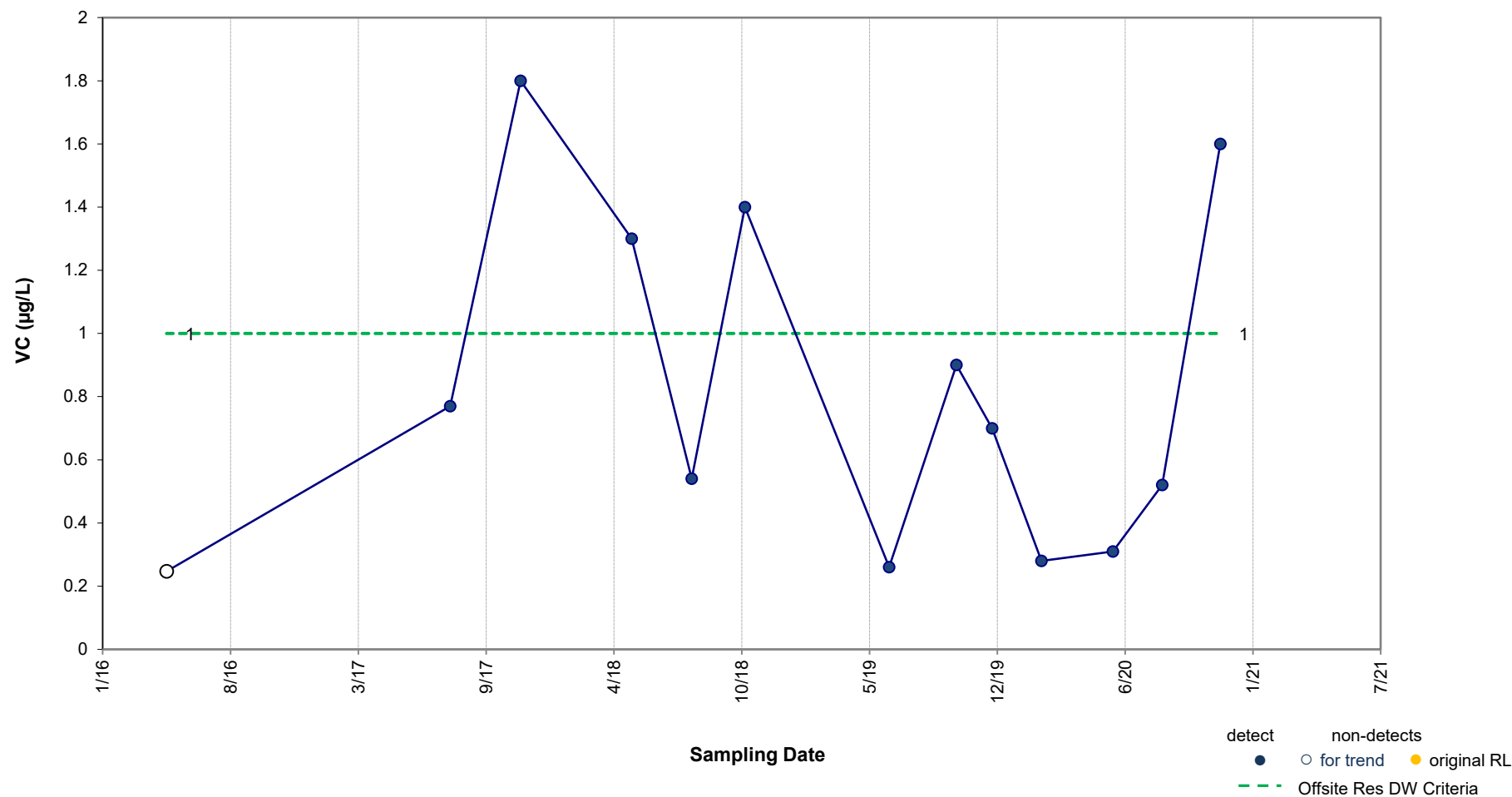


Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.500

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

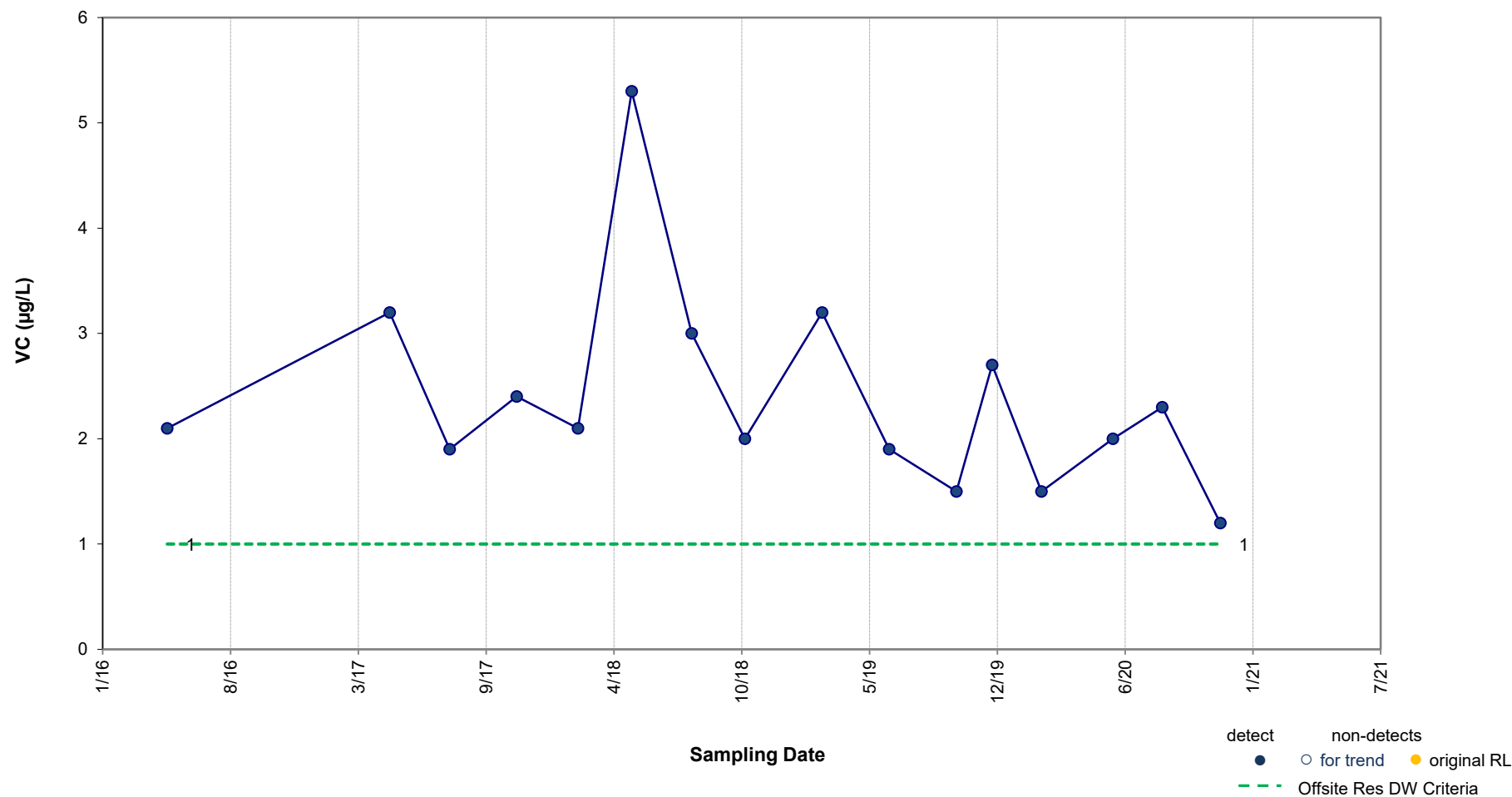


Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.48

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

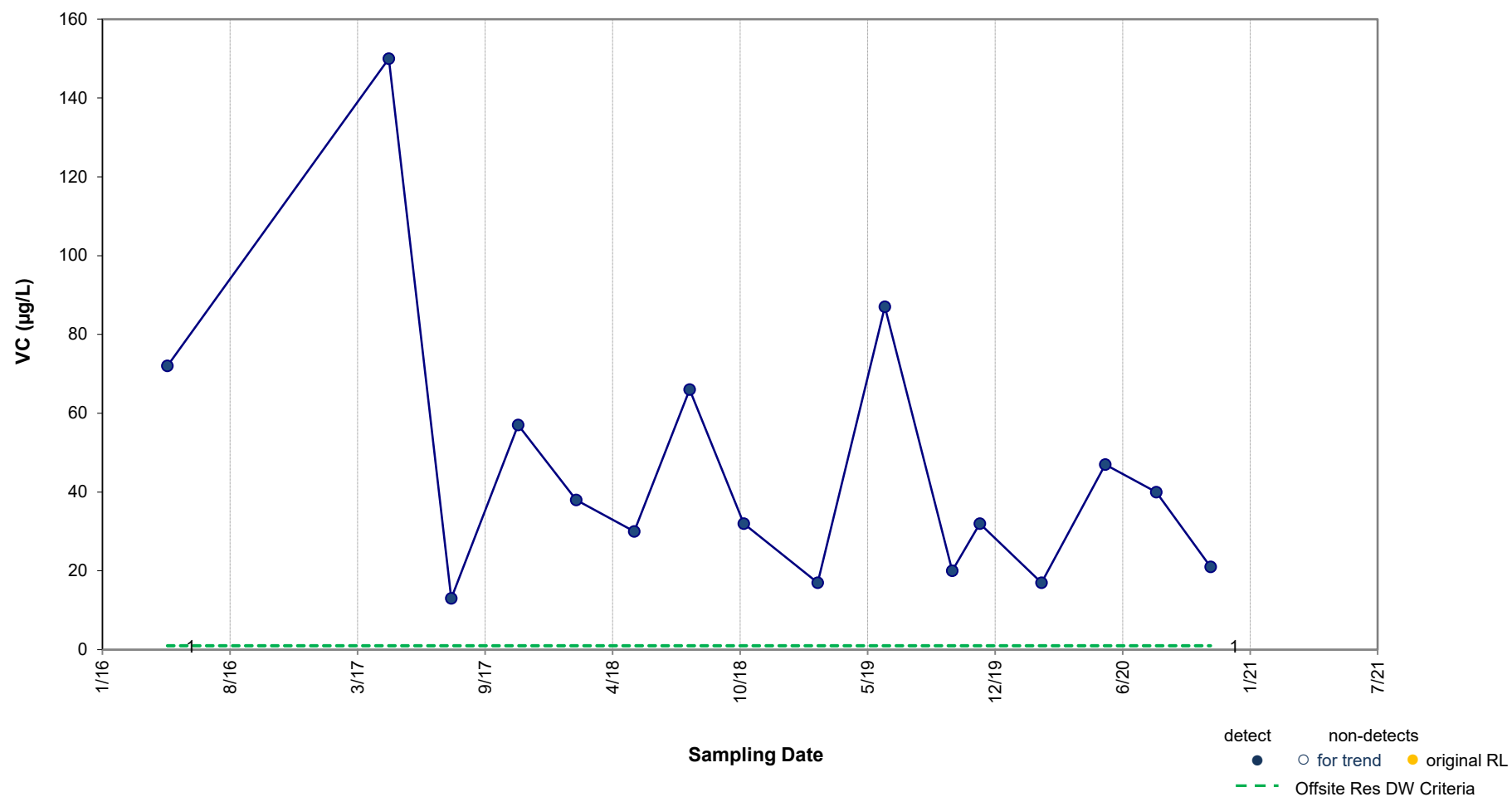


Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = 0.05

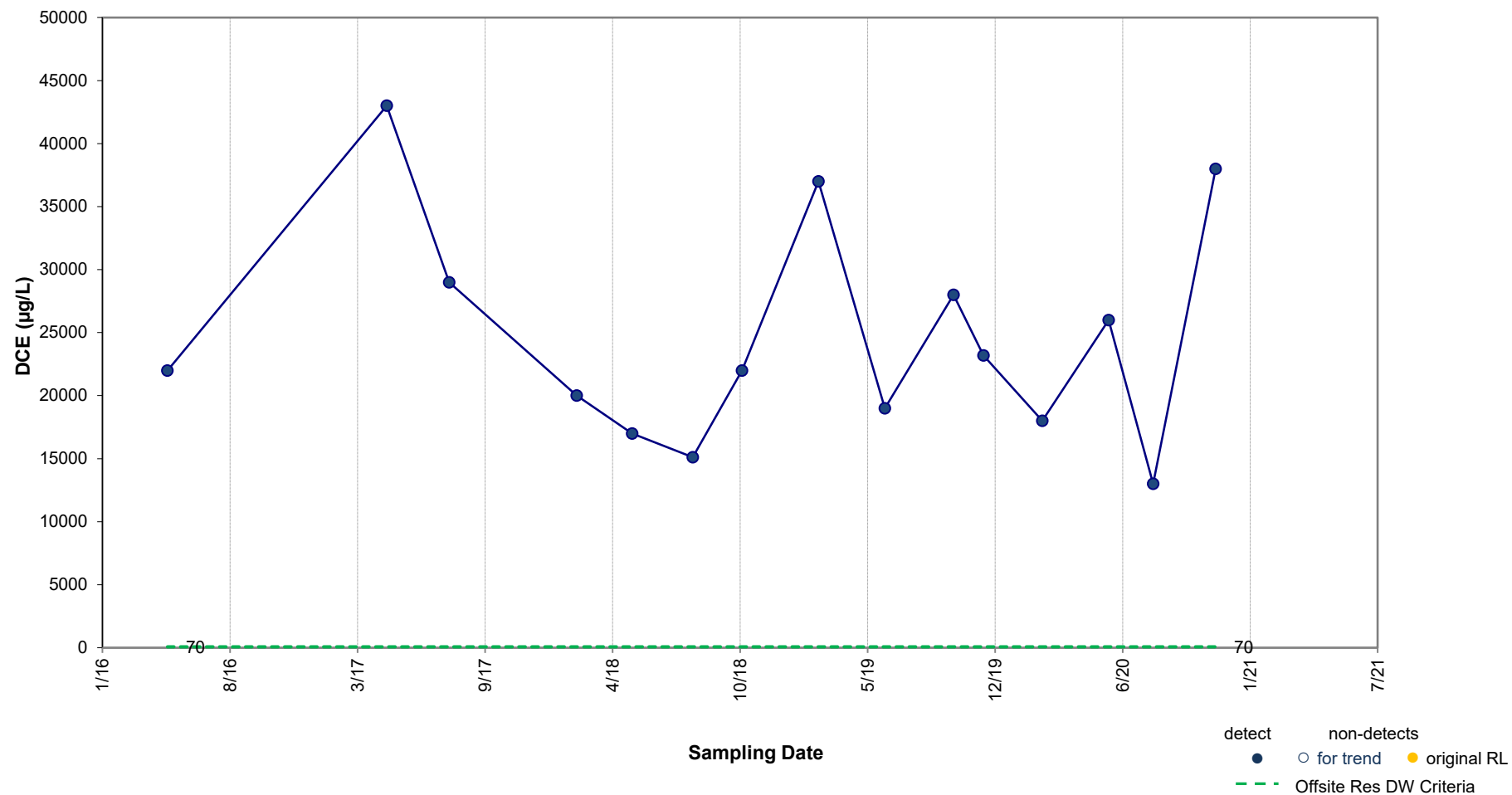
Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.130 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

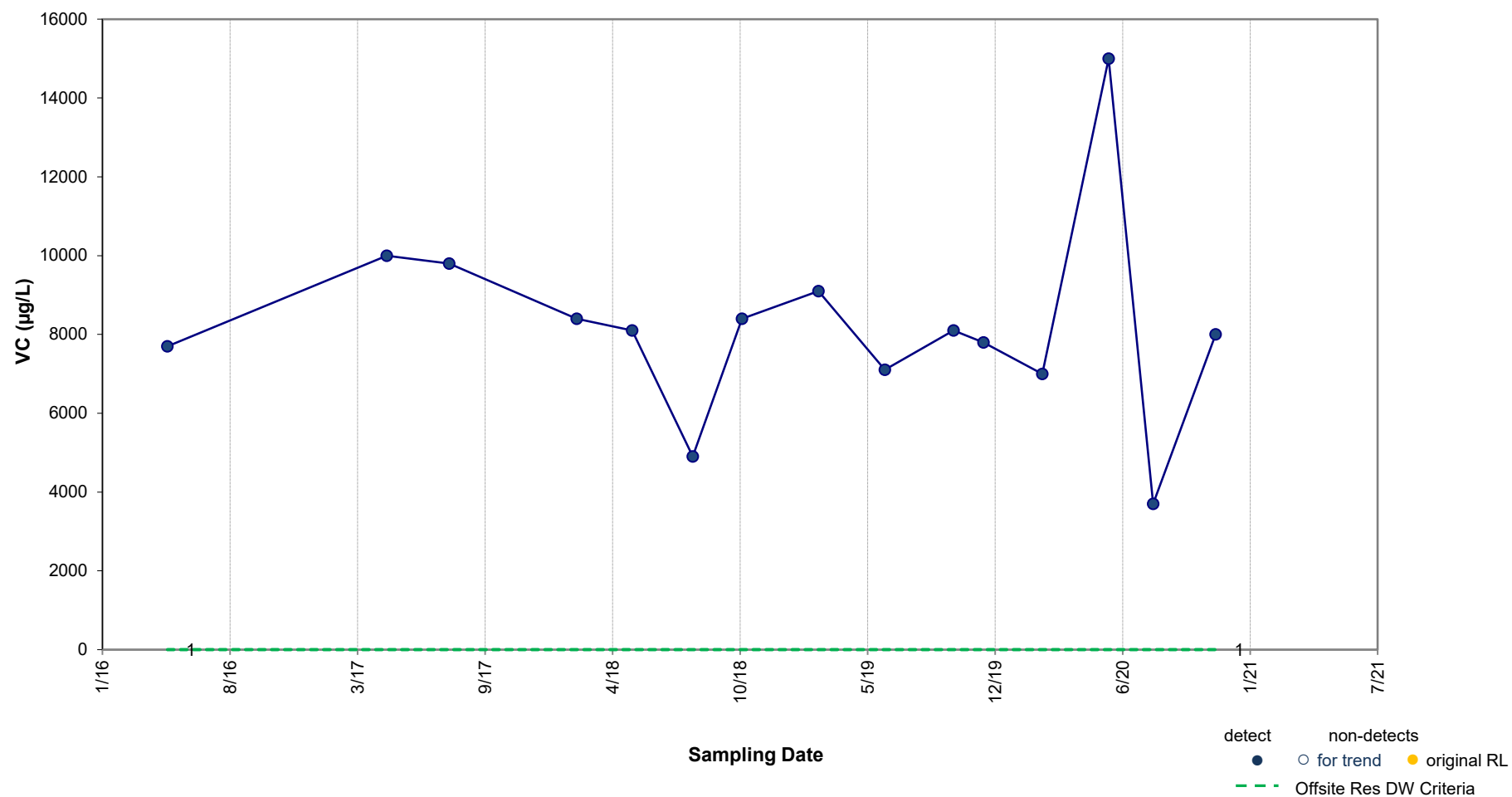


Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.364

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

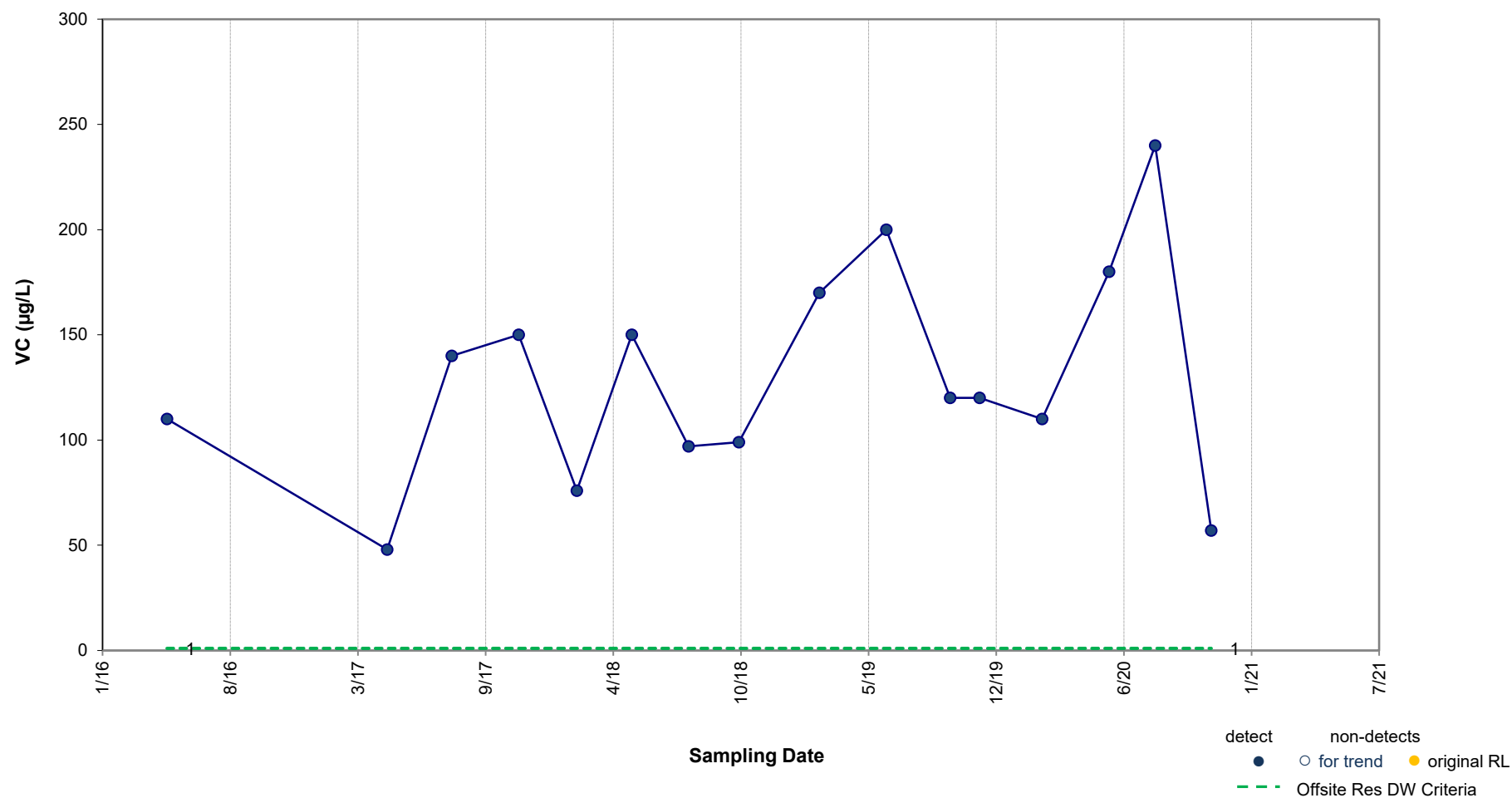


Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = 0.099

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

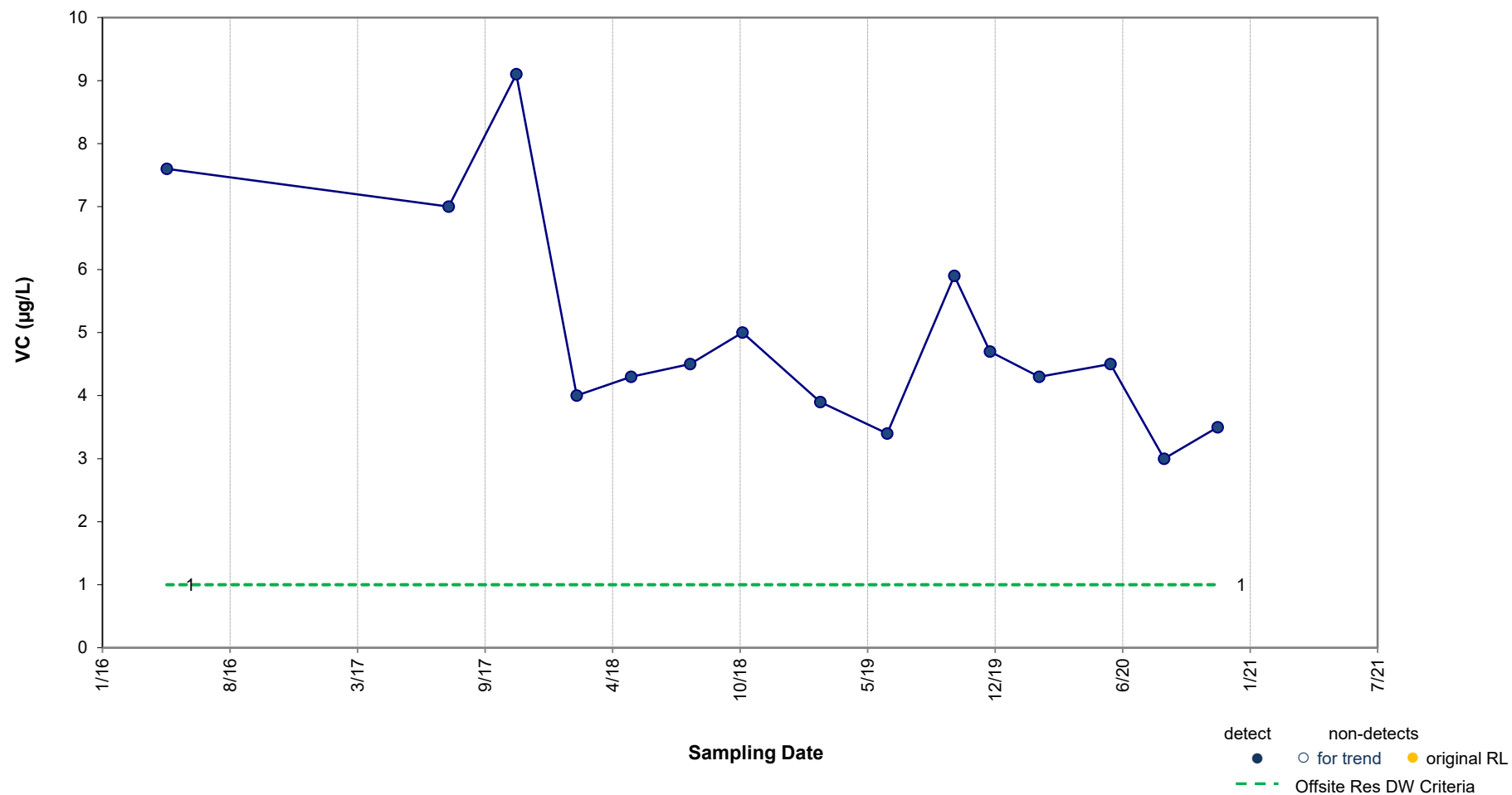


Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.103

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

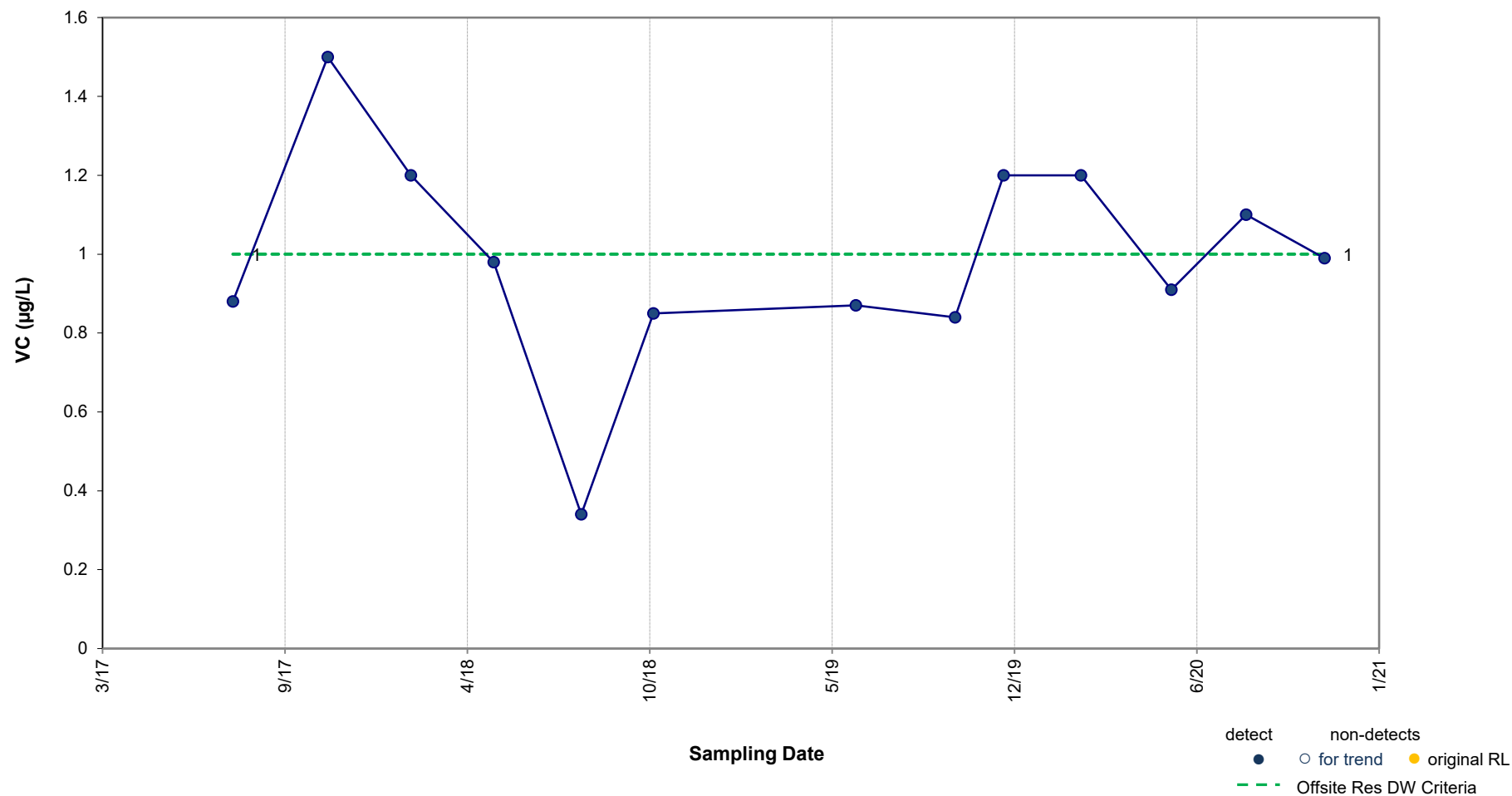


Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = 0.015

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

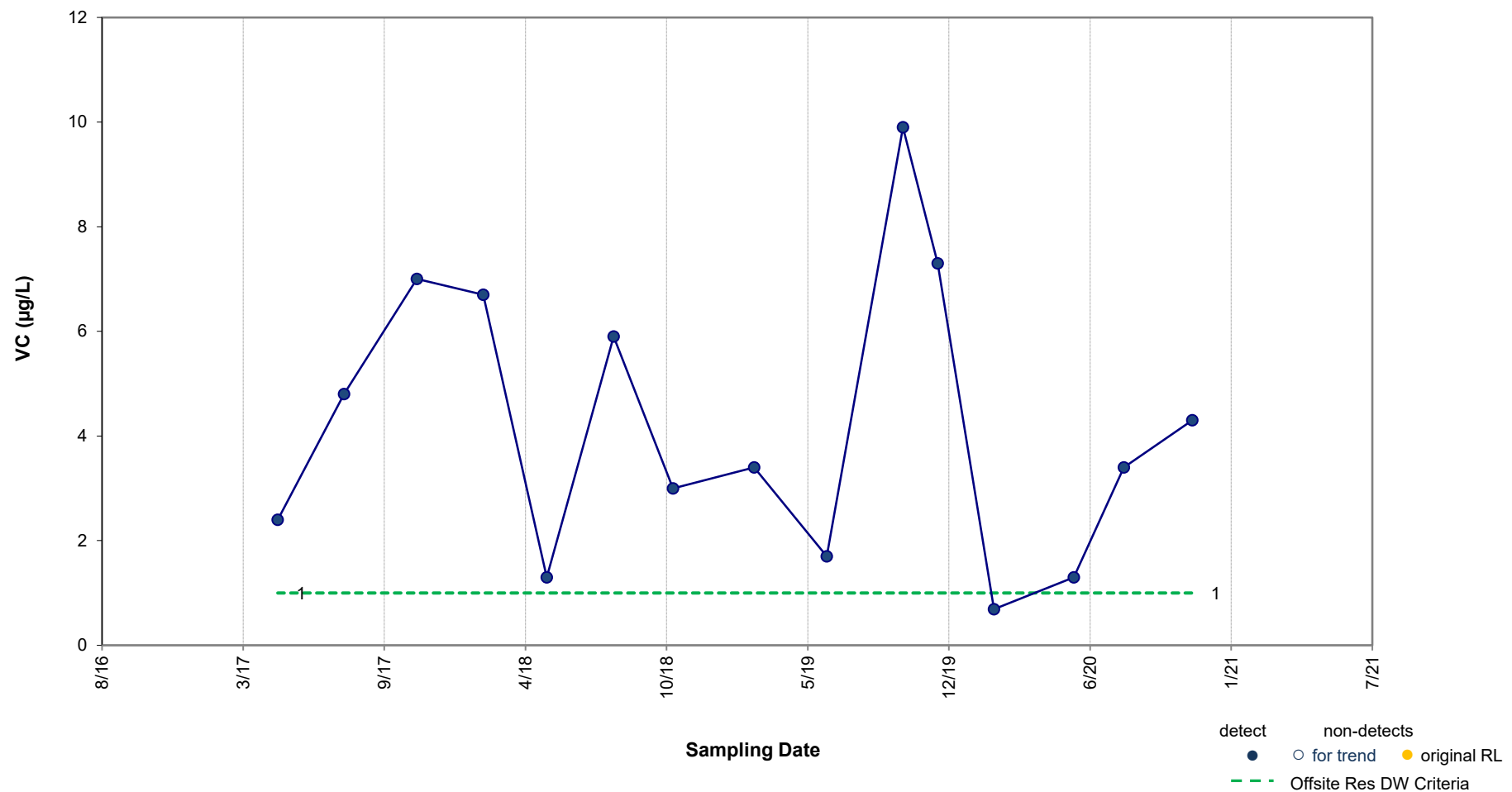


Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.500

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

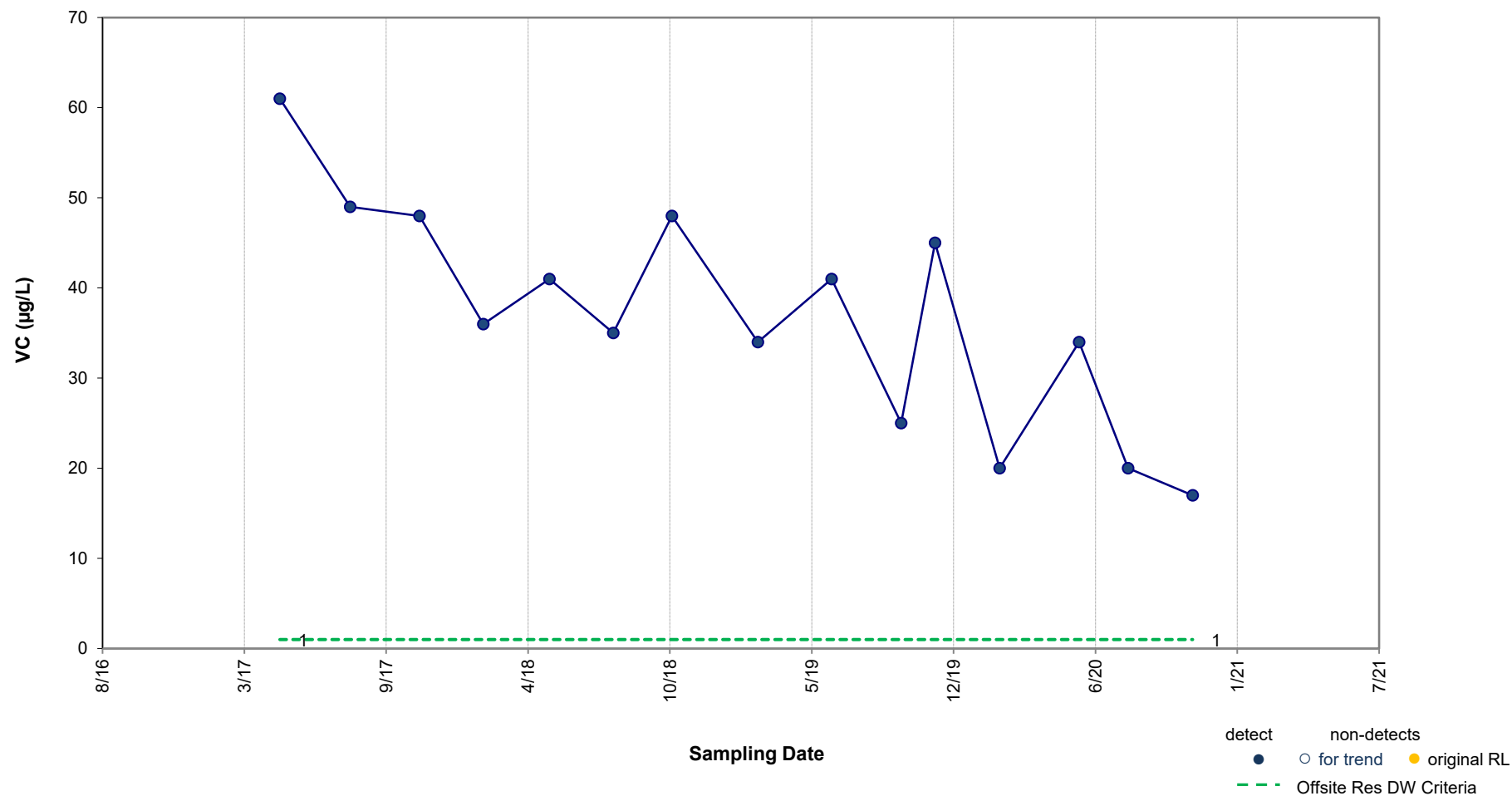


Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.346

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

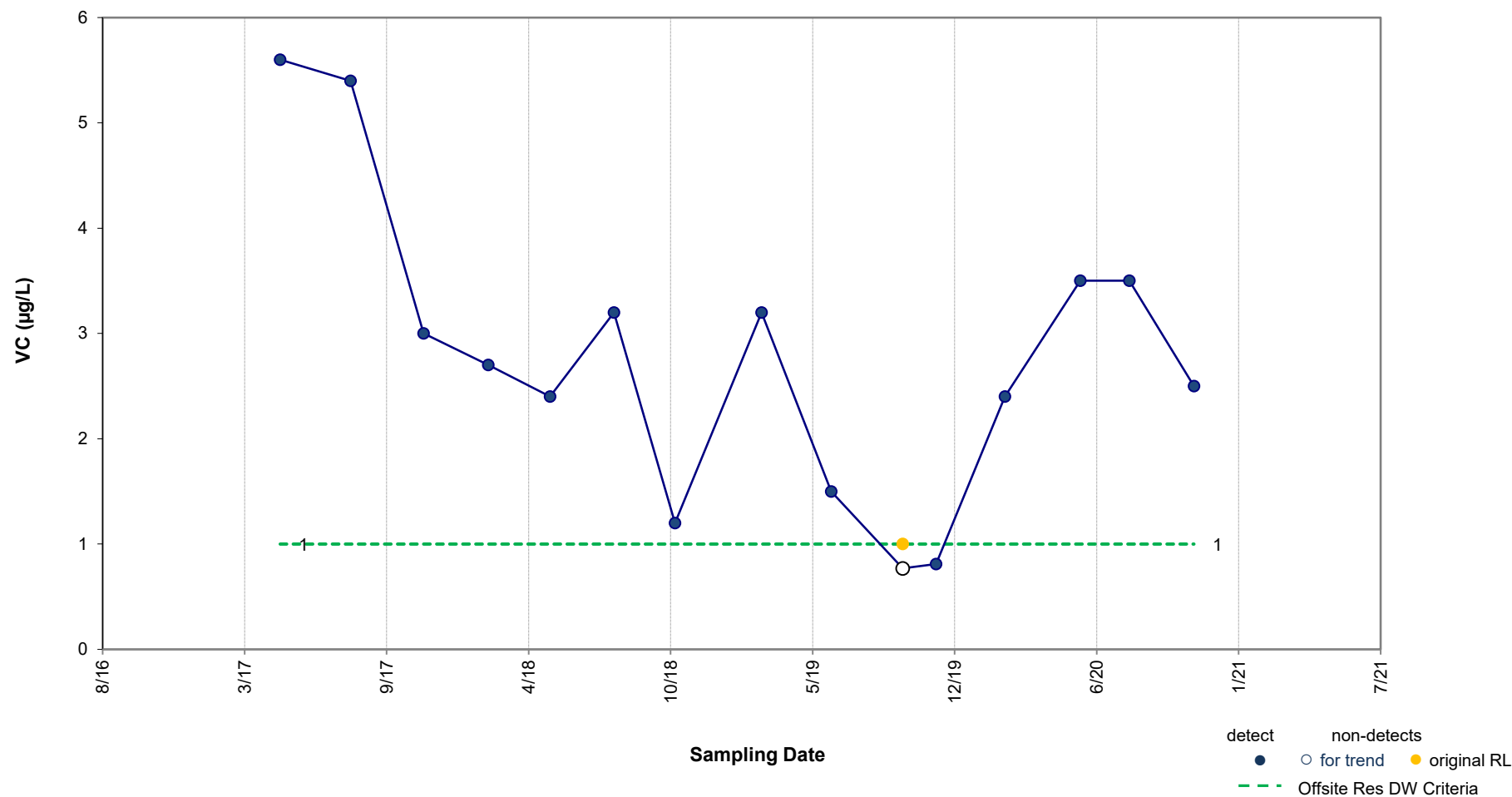


Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = <0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

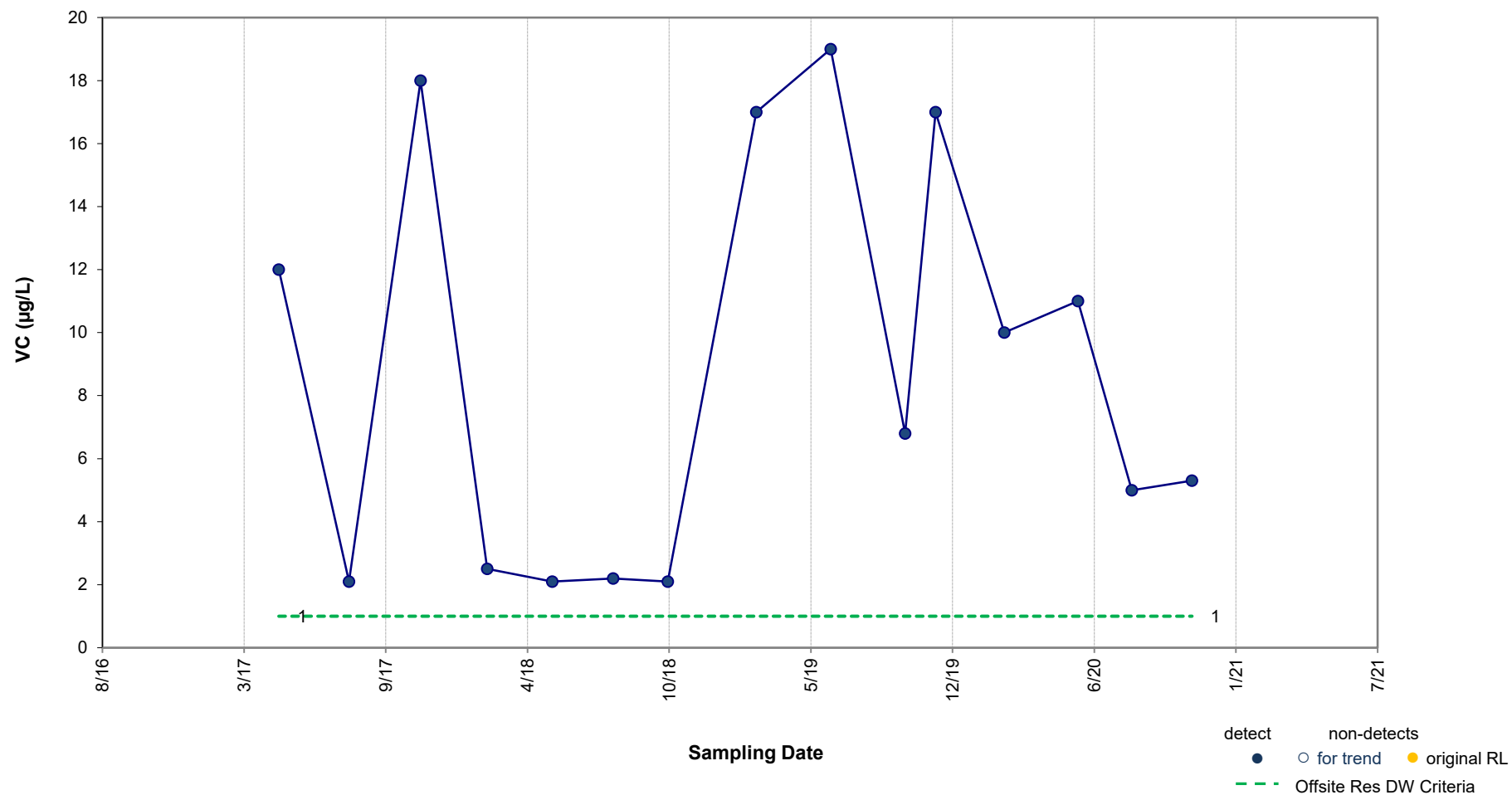


Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.127

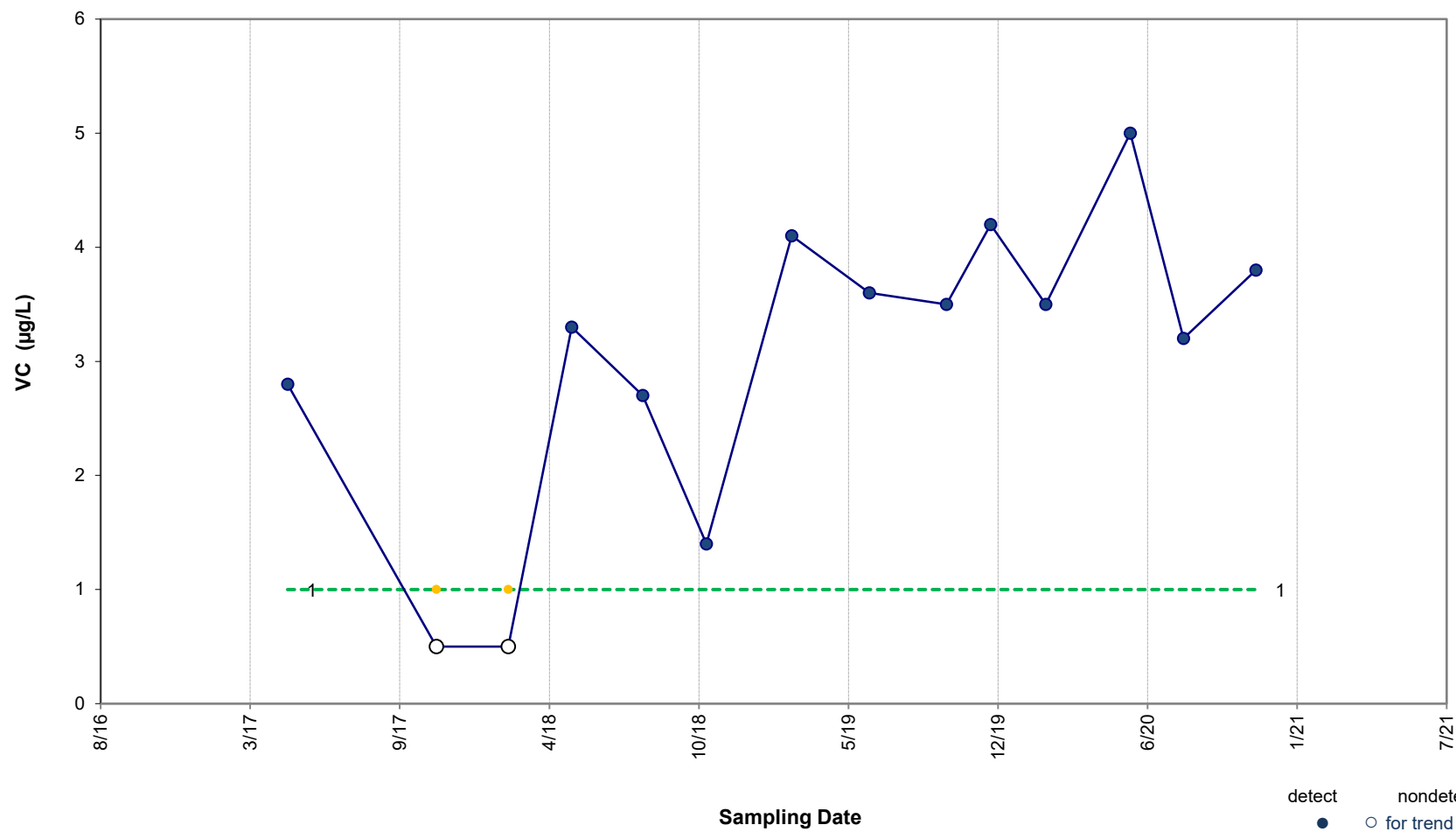
Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.345 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Results of Mann-Kendall Test for Trend:

INCREASING TREND

p value =

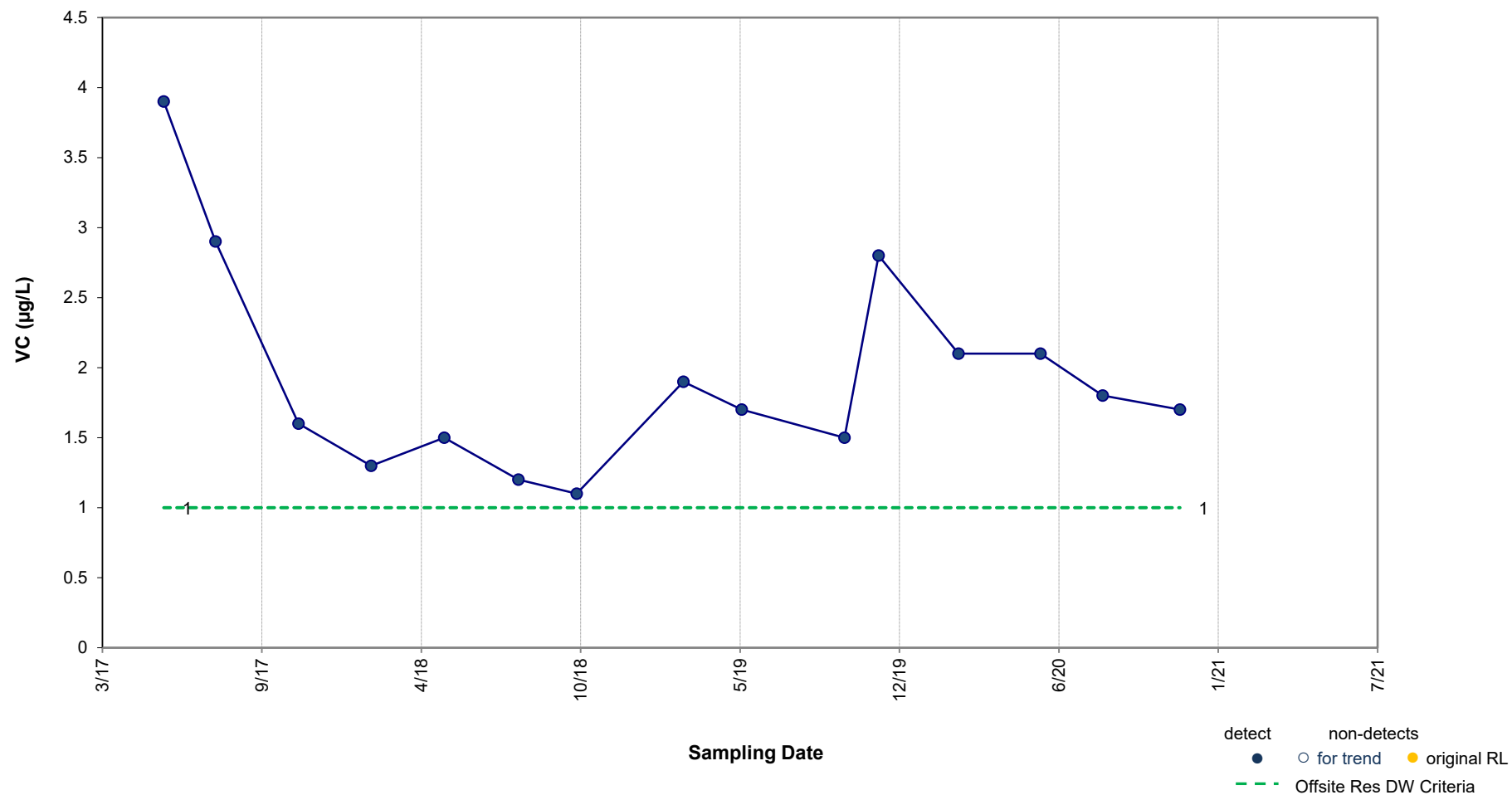
0.011

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 28

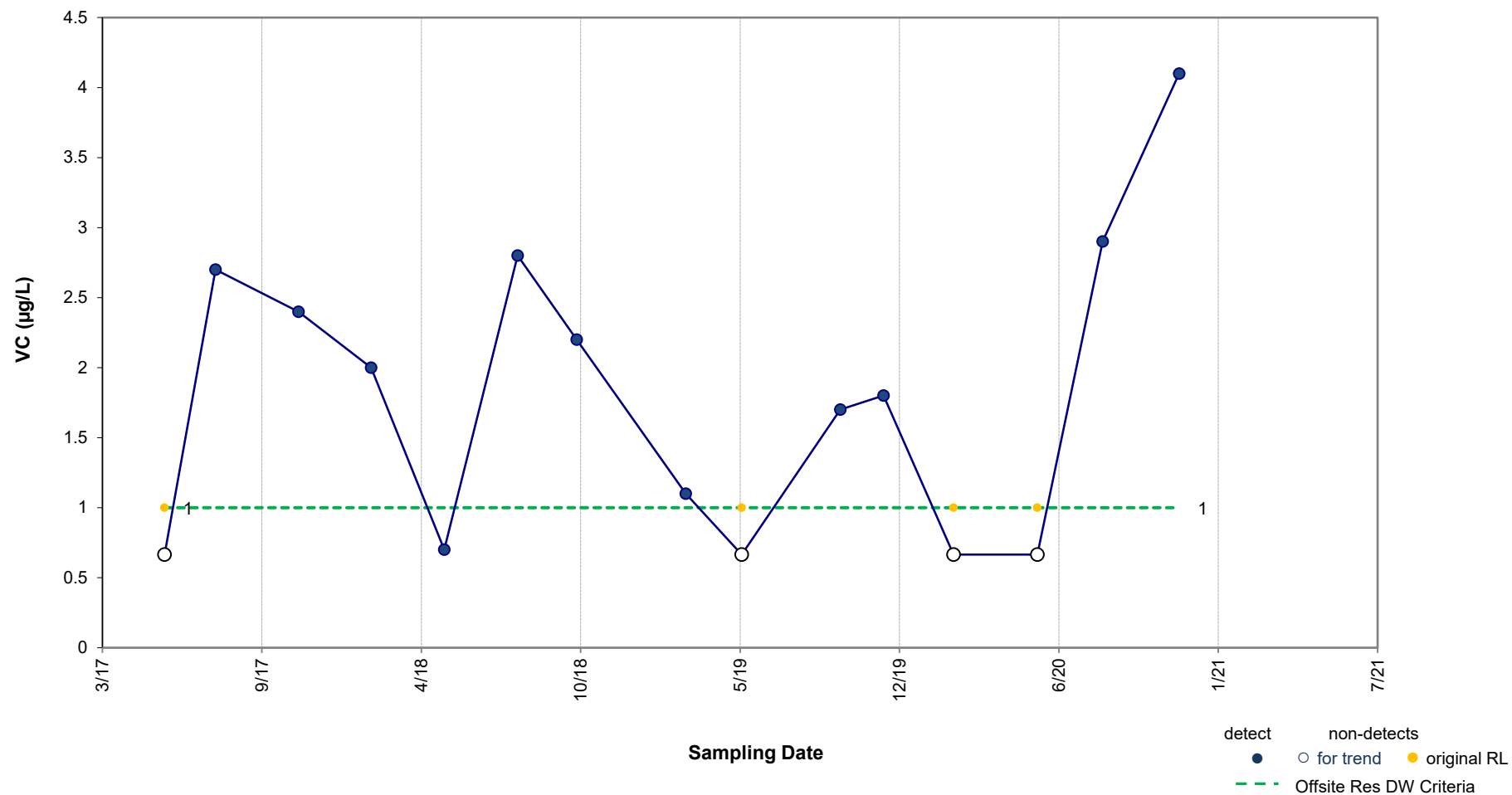


Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.520

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).

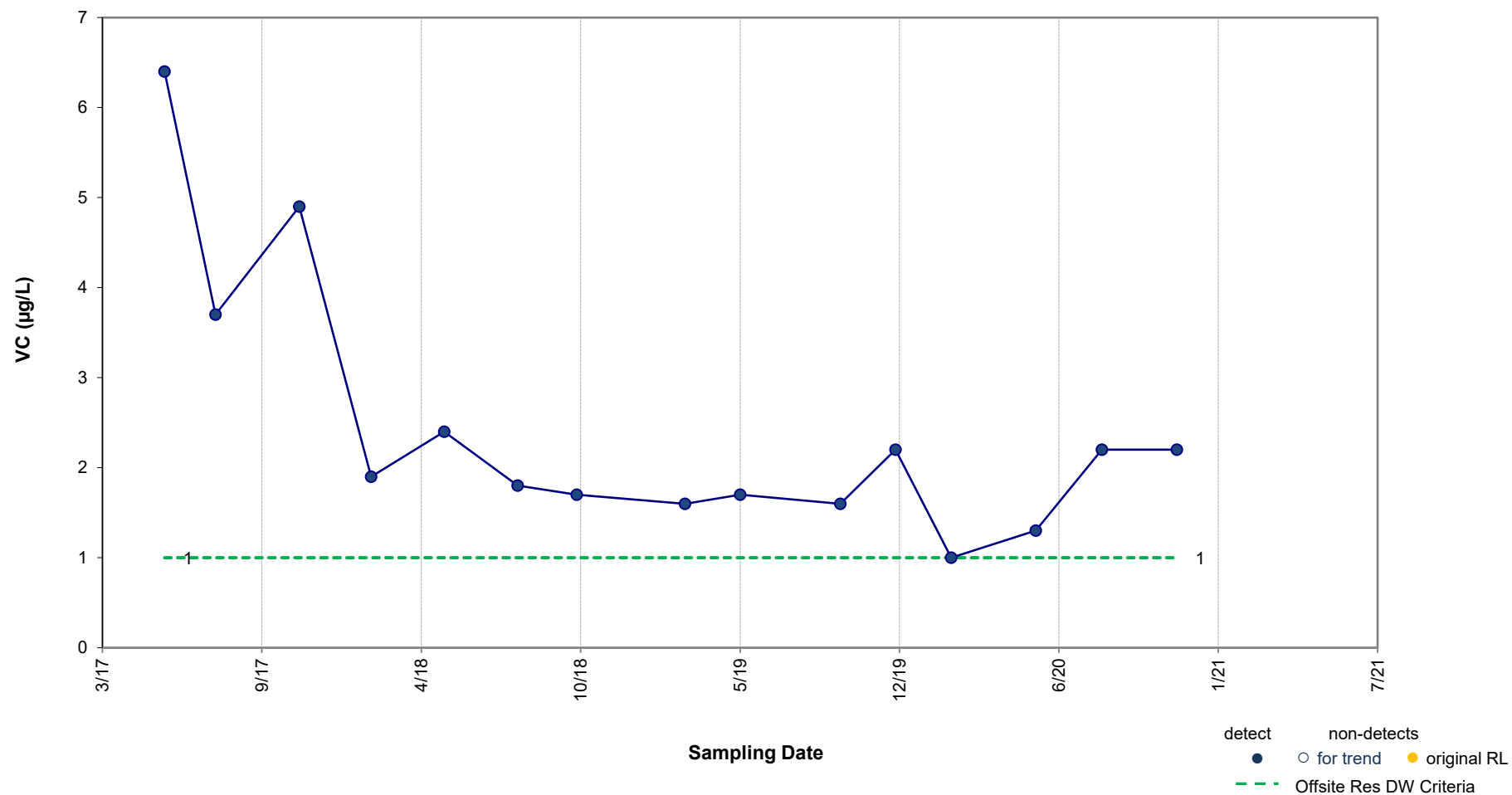


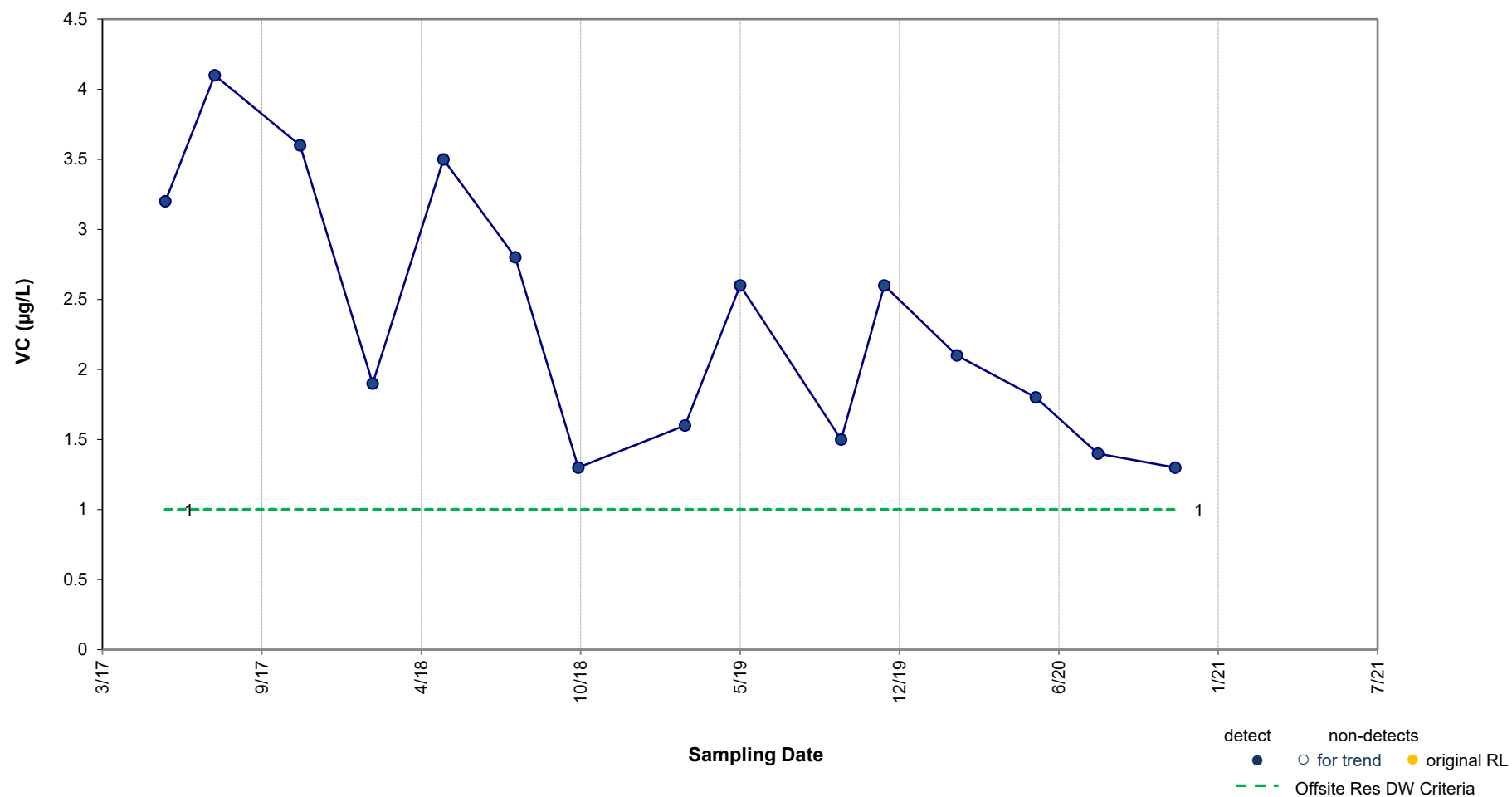
Results of Mann-Kendall Test for Trend:

No Significant Trend

p value = 0.500

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



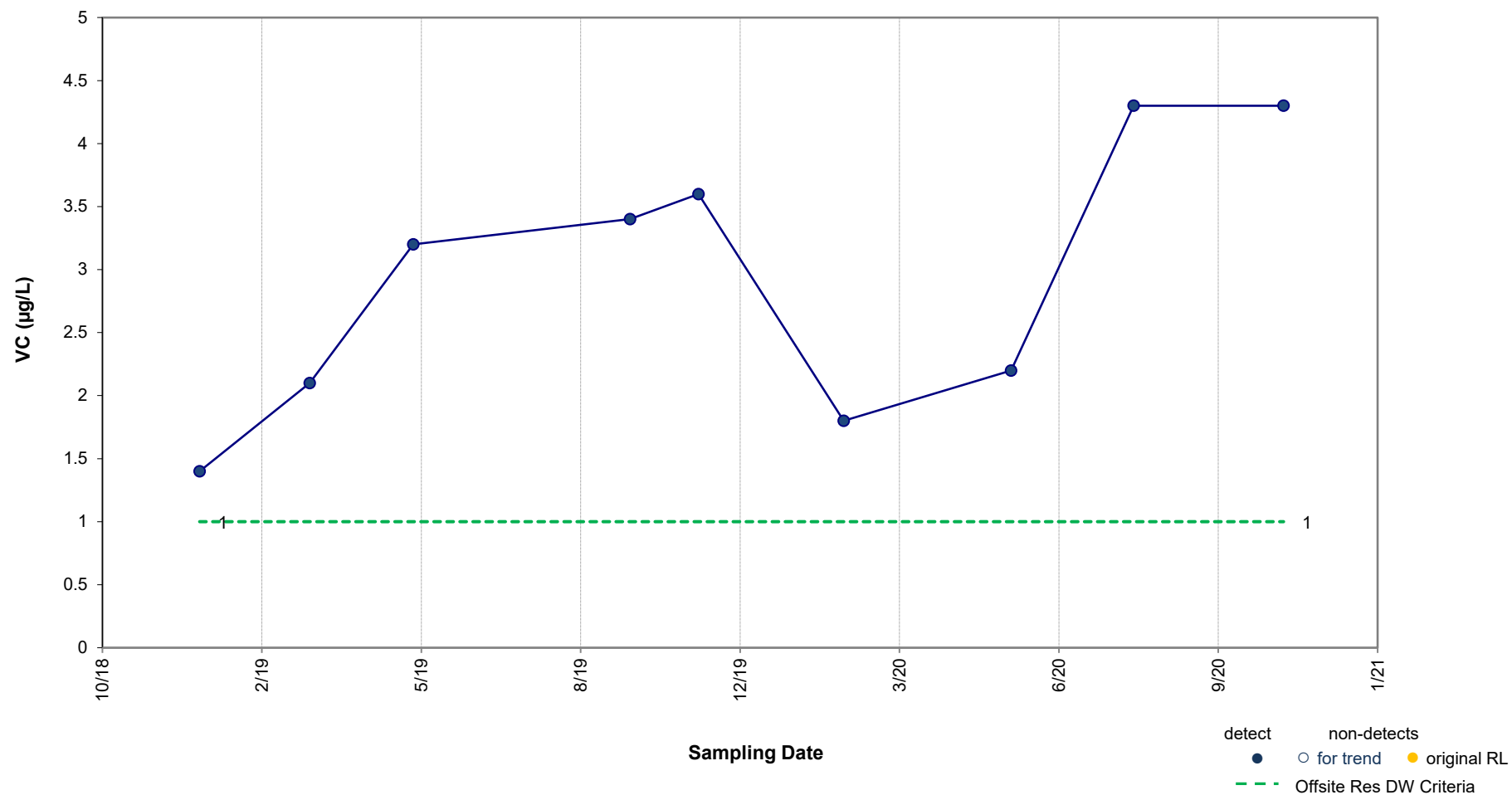


Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = 0.002

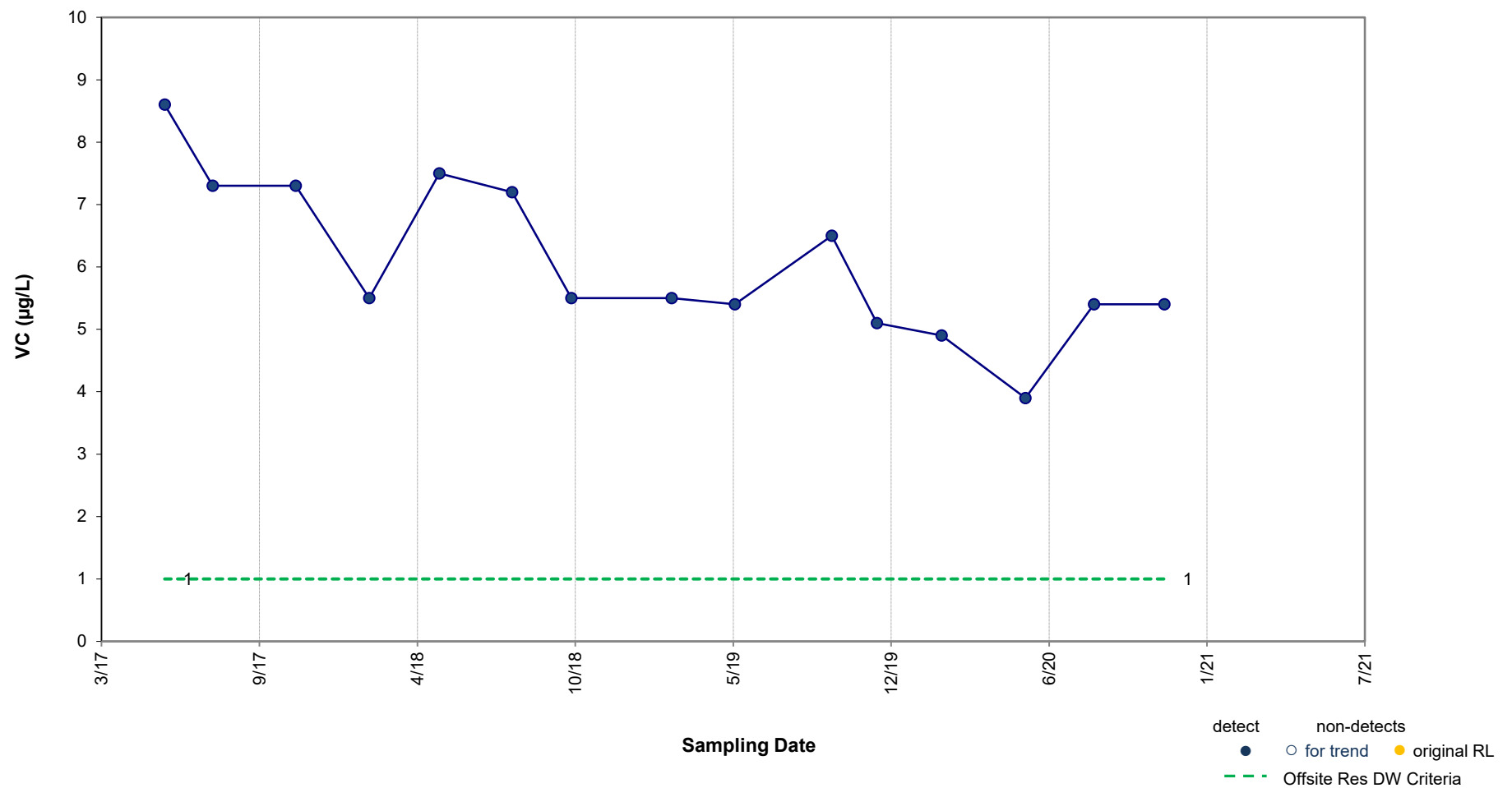
Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



Results of Mann-Kendall Test for Trend:

INCREASING TREND

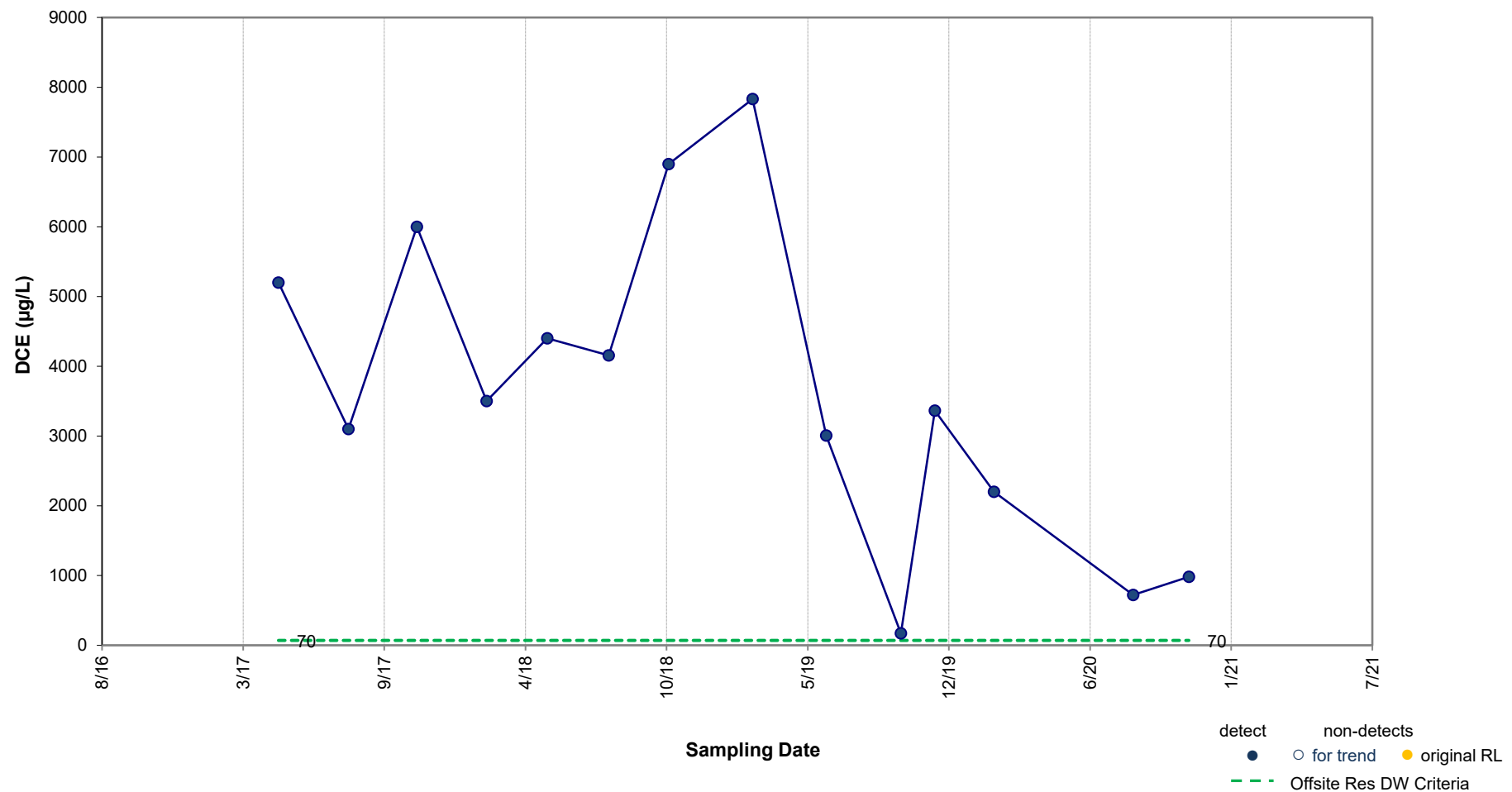
p value = 0.02 Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



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).

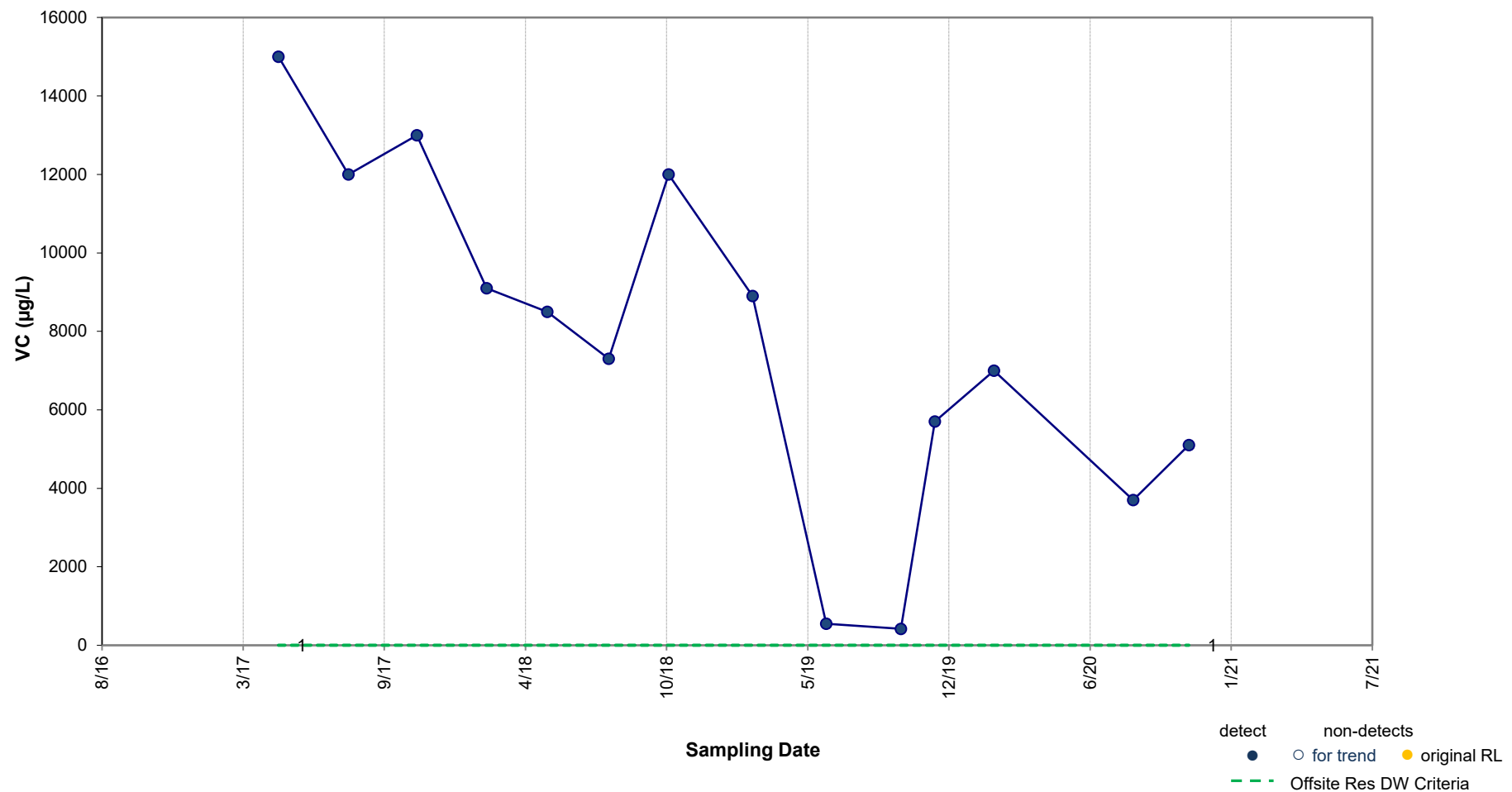


Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value = 0.024

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



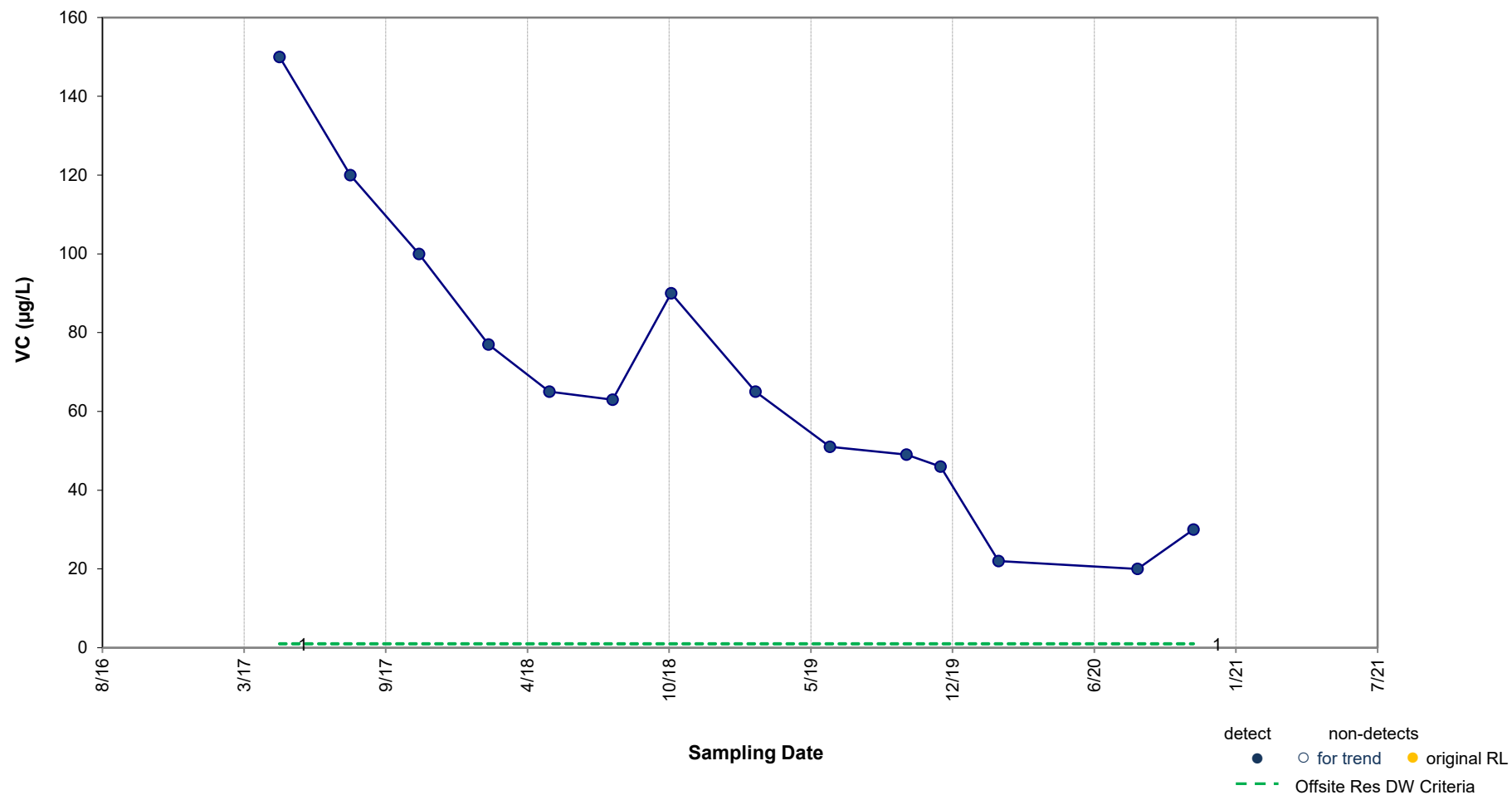
Results of Mann-Kendall Test for Trend:

DECREASING TREND

p value =

<0.001

Note: p value < 0.1 indicates a statistically significant trend (90% confidence level).



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).



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