PATRIOT
ENGINEERING AND ENVIRONMENTAL, INC.

THIRD QUARTER 2022 QUARTERLY PERFORMANCE GROUNDWATER MONTIORING REPORT

FORMER HOUGHLAND TOMATO CANNERY
1130 EASTVIEW DRIVE
FRANKLIN, INDIANA
IDEM STATE CLEANUP SITE #2013-34567
PATRIOT PROJECT NO. 21-1359-01E

Submitted to:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Office of Land Quality, State Cleanup Program
100 N. Senate Ave., IGCN, Room 1101
Indianapolis, IN 46204-2251
Attn: Mr. Tim Johnson

Submitted for:

RROBERT CLAWSON dba HURRICANE ROAD INDUSTRIAL DEVELOPMENT
c/o Kroger Gardis & Regas LLP
111 Monument Circle, Suite 900
Indianapolis, Indiana 46204
Attention: Mr. Greg Cafouros

Submitted by:

PATRIOT ENGINEERING AND ENVIRONMENTAL INC.
6150 E. 75th Street
Indianapolis, Indiana 46250

JANUARY 10, 2023

January 10, 2023

State Cleanup Section
Indiana Department of Environmental Management
100 N. Senate Avenue, IGCN Room 1101
Indianapolis, Indiana 46204-2251
Attention: Mr. Tim Johnson

Re: Third Quarter 2022 Quarterly Performance Groundwater Monitoring Report
Former Houghland Canning Property
1130 Eastview Drive, Franklin, Indiana
IDEM State Cleanup Site #2013-34567
Patriot Project No. 21-1359-01E

Dear Mr. Johnson:

On behalf of Kroger Gardis & Regas, LLP and Robert Clawson dba Hurricane Road Industrial Development, Patriot Engineering & Environmental, Inc. has prepared this report for the Third Quarter 2022 (3Q2022) groundwater monitoring event performed at the former Houghland Tomato Cannery property located at 1130 Eastview Drive in Franklin, Indiana. The 3Q2022 sampling event is the third post-remediation performance monitoring event performed at the Site. This report documents the groundwater sampling activities and presents our findings.

Please contact Mike Casper at mcasper@patrioteng.com or 317 576-8058 if you have any questions or comments regarding this report or require any additional information.

Sincerely,

Patriot Engineering and Environmental, Inc.

James J. Cody
Project Manager
Environmental Division

Michael F. Casper, LPG
Principal
Chief Environmental Consultant

cc: Greg Cafouros, Kroger Gardis & Regas, LLP

Attachments

TABLE OF CONTENTS

THIRD QUARTER 2022 QUARTERLY PERFORMANCE GROUNDWATER MONTIORING REPORT

FORMER HOUGHLAND TOMATO CANNERY
1130 EASTVIEW DRIVE
FRANKLIN, INDIANA
IDEM STATE CLEANUP SITE #2013-34567
PATRIOT PROJECT NO. 21-1359-01E

1.0 INTRODUCTION

On behalf of Kroger Gardis & Regas LLP and Robert Clawson dba Hurricane Road Industrial Development (HRID), Patriot Engineering and Environmental, Inc. (Patriot) is pleased to submit this Third Quarter 2022 (3Q2022) Quarterly Performance Groundwater Monitoring Report for the former Houghland Tomato Cannery (Houghland) property located at 1130 Eastview Drive in Franklin, Indiana ("the Site" or "HRID Property"). The 3Q2022 event is the third on-Site post-injection performance monitoring event. The groundwater monitoring work was performed in accordance with the Indiana Department of Environmental Management (IDEM)-approved *Remediation Work Plan* (RWP) for the Site. This report documents the groundwater sampling activities and presents our findings and conclusions for the Site.

2.0 SITE IDENTIFICATION

The Site is located at 1130 Eastview Drive on the northeast side of Franklin, Johnson County, Indiana as shown on the Site Location Map included as Figure 1 in Appendix A. The layout of the Site is depicted on Figure 2 in Appendix A.

3.0 BACKGROUND

3.1 Project Site Description

The Site is a portion of the former Houghland property, a former tomato canning operation that was subsequently divided into two properties. Mr. Robert Clawson, doing business as HRID, owns the eastern portion of the former Houghland property at 1130 Eastview Drive. Mr. Clawson leases the buildings on the property to various commercial tenants. The HRID Property includes six buildings, including two along the west portion of the northern property boundary, two in the south-central part of the site, and two unoccupied

structures in the central part of the site. The area around the buildings is concrete paved and most of the remainder of the western portion of the Site is grass and/or gravel covered. A large, wooded area comprises the northeastern part of the Site.

3.2 Contaminants of Concern

No significant quantities of hazardous materials have been used or stored at the Site by HRID and no records were available detailing the use of hazardous materials by previous owners of the Site. It is not known whether the soil and groundwater impacts discovered at the Site are the results of historic commercial/industrial activities at the HRID Property, or unknown and illegal dumping of waste materials on the HRID Property or properties to the west of the Site.

The Site has been the subject of environmental investigation activities from 2013 through 2021. The previous investigations performed at the Site have revealed the presence of chlorinated volatile organic compounds (cVOCs) in both soil and groundwater. The specific chemicals of concern (COCs) at the Site include tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), trans-1,2-dichloroethene (tDCE), and vinyl chloride (VC).

Shallow and deep-zone groundwater PCE impacts are limited to the western part of the Site; however, shallow-zone TCE impacts extend off-Site to the east approximately 500 feet beyond the eastern property line and onto the adjoining agricultural land owned by the Kasting Family Limited Partnership (“Kasting”). In addition, deep and intermediate-zone TCE and cDCE impacts extend off-Site to the east-northeast approximately 1,700 feet onto the Kasting property, with the direction of COC migration believed to be historically controlled by a former municipal water supply well field located on the northeast portion of the Kasting property and the topography of the clay confining layer beneath the Kasting property.

3.3 Remediation Activities

Groundwater remediation activities were performed on the Site between September 14 and November 17, 2021. The on-Site remediation included the injection of S-MicroZVI™ zero-valent iron, 3D MicroEmulsion (3DMe), and BioDechlor INNOCULUM Plus (BDI Plus) enhanced reductive dechlorination (ERD) products in a series of five permeable

reactive barriers (PRBs) and the injection of PlumeStop® Liquid Activated Carbon™ (PlumeStop) and S-MicroZVI™ zero-valent iron in a PRB along the northeastern and eastern property boundaries. All the injected products are manufactured by Regenesis Bioremediation Products, Inc. (Regenesis).

Off-Site groundwater remediation on the Kasting property was performed between February 22 and April 26, 2022 and involved the injection of S-MicroZVI™ zero-valent iron, 3DMe, BDI Plus ERD products in a series of eleven PRBs.

4.0 THIRD QUARTER 2022 POST-INJECTION GROUNDWATER MONITORING

The 3Q2022 groundwater monitoring was the third post-injection quarterly performance groundwater monitoring event following completion of the remediation at the HRID Property. In accordance with the RWP and IDEM's August 5, 2021 *Further Site Investigation 4, Remediation Work Plan Review* letter, the quarterly sampling events for the HRID Property remediation include the following monitoring wells:

- MW-11, 12, 12D, 14, 14D, 15, 15D, 22, 22D, 23, 24, 26, 29, 29D, 30, 32, 33, 33D, 36, 37, 39, 40, 41, 41D, 42, 42D, 43, 43D, and 46I (29 wells)

The future semi-annual and annual groundwater monitoring events will include all quarterly wells plus the following wells:

- Semi-annually: MW-25, MW-31, and MW-40D (32 wells total)

- Annually: MW-10, 11D, 13, 16, 17, 18, 19, 20, 21, 27, 28, 34, 34D, 35, 35D, 36D, 37D, 38, 38D, 39D, 44, 44D, 45, 45D, 46, 46D, 47, 47I, 47D, 48, 48D, 49, 49D (65 wells total)

The post-injection quarterly performance groundwater monitoring events for the Kasting property will commence in the 4Q2022.

4.1 Monitoring Well Sampling

Patriot mobilized to the Project Site on August 8 through August 11, 2022, to collect groundwater samples from the 29 quarterly monitoring wells for the HRID Property. The well construction details are provided in Table 1 in Appendix B**.** Prior to sampling, the water levels in the accessible monitoring wells were gauged using an electronic water level meter. The depth to groundwater and total well depth from the surveyed top-of-casing was measured to the nearest 0.1 foot at each well. The water level probe and tape were decontaminated with a non-phosphate detergent wash and distilled water rinses after use at each well to prevent cross contamination. The depth to groundwater measurements were recorded in a field log and used to calculate groundwater elevations to evaluate groundwater flow conditions at the Project Site.

Groundwater sampling was conducted using low flow procedures in accordance with the low-flow sampling method outlined in the IDEM Micro-Purge Sampling Option Technical Guidance Document (June 3, 1998, revised November 3, 2009). Low flow sampling causes minimal drawdown of the water level within the well thus limiting the volatilization of VOCs or the introduction of sediment into the sample. To conduct the low flow sampling, Patriot placed a small diameter, submersible pump into the well fitted with dedicated tubing that reached above the ground surface. The well was pumped at a rate ranging between 50 to 200 milliliters per minute (ml/min), and the static water level within the well was monitored to ensure that drawdown was limited to 0.1 meter or less.

The groundwater removed from the well was pumped through a flow-through cell equipped with a water quality meter that measured water temperature, pH, specific conductivity, oxidation-reduction potential (ORP), turbidity and dissolved oxygen (DO). Stabilization of these water quality parameters (e.g., consecutive readings within 10 percent of the previous reading) indicate that the water being withdrawn from the well was representative of the actual groundwater conditions and the groundwater sample can be collected. The groundwater samples were collected by disconnecting the discharge tubing from the flow-through cell and filling 40 milliliter (ml) glass vials with Teflon-lined septa directly from the discharge tubing. The groundwater sampling activities including the field measurements specified above were recorded and documented on field sampling forms that are included in Appendix C. The sample containers were labeled, placed on ice in a cooler, and delivered to Pace Analytical Services, Inc. (Pace) using chain of custody controls. The samples were analyzed for VOCs using U.S. EPA SW-

846 Method 8260. The sampling purge water was placed in sealed 55-gallon drums and stored on-site pending characterization and disposal.

Quality Assurance/Quality Control (QA/QC) procedures included the collection and analysis of duplicate groundwater samples from monitoring wells MW-25 (DUP A) and MW-42 (DUP B), two matrix spike/matrix spike duplicate (MS/MSD) samples from monitoring wells MW-22D (MS/MSD A) and MW-12D (MS/MSX B), and one trip blank per cooler of samples delivered to the laboratory. The QA/QC samples were also analyzed for VOCs using U.S. EPA SW-846 Method 8260.

4.2 Groundwater Flow Data

Groundwater elevation data from the 3Q2022 groundwater sampling event and from previous groundwater sampling events are provided in Table 2 in Appendix B. The shallow and deep groundwater elevations and resulting groundwater elevation contours from the 3Q2022 gauging were plotted on groundwater potentiometric surface maps. The shallow and deep potentiometric surface maps are provided as Figures 3 and 4, respectively, in Appendix A.

The shallow groundwater flow direction on the HRID Property is generally southerly on the northwestern and north-central portions of the Site changing to easterly on the southern half of the Site and onto the Kasting property. The deep groundwater flow direction is similar to the shallow groundwater flow direction. Evaluation of the shallow and corresponding deeper groundwater elevation data indicates that there is no significant upward or downward gradient between the upper and lower portions of the unconfined aquifer.

4.3 Groundwater Field Screening Results

As described above, the groundwater samples were monitored in the field for various physical parameters. Decreases in ORP and DO between the pre-injection samples and the post-injection samples are indicative of increasingly anaerobic groundwater conditions, which are necessary for effective reductive dechlorination. The target value for ORP is <0.0 millivolts (mV) and the target value for DO is <1.0 milligram per liter (mg/L). The pH, ORP, and DO measurements from the pre-injection sampling event and the post-injection sampling events are shown on Table 3 in Appendix B.

Of the 29 quarterly monitoring wells sampled in the 3Q2022, ORP was less than 0.0 mV in samples from 13 wells and DO was less than 1.0 mg/L in samples from 26 wells, compared to 9 and 14 pre-injection samples from the wells, respectively. In addition, samples from 21 of the wells had DO concentrations less on 0.1 mg/L

The decreasing ORP measurements and DO concentrations, as well as the very low DO concentrations in the majority of the monitoring wells, indicate that the remedial injections are effectively altering the groundwater conditions at the HRID Property to support reductive dechlorination.

4.4 Groundwater Analytical Results

The 3Q2022 VOC analytical results were compared to the IDEM Remediation Guide (RCG) Residential Tap Water Screening Levels (TWSLs) and the RCG Residential and Commercial/Industrial Vapor Intrusion from Groundwater Screening Levels (VIGWSLs), where established. The groundwater analytical results from the three post-injection sampling events and the corresponding RCG Screening Levels are summarized on Table 4 in Appendix B and a copy of the laboratory groundwater analytical report is included in Appendix D. Table 4 also contains the corresponding analytical results from the two most recent sampling events prior to the groundwater remediation injections so that post-injection increasing or decreasing trends can be observed. The compiled groundwater analytical data for all investigations conducted at the Site by Patriot are summarized on Table 5 in Appendix B. The shallow and intermediate/deep groundwater analytical results from the 3Q2022 investigation, along with the most recent pre-injection sampling results, are depicted on Figures 5 and 6, respectively, in Appendix A.

PCE was detected in samples from 11 of the 3Q2022 wells as compared to samples from 15 of the pre-injection wells. Analysis of the samples from the 3Q2022 monitoring event revealed decreased PCE concentrations from pre-injection levels in samples from seven wells with four wells reduced to non-detectable (two of the four reached non-detectable levels in the 3Q2022), increased PCE concentrations in samples from one well, and no significant PCE concentration changes in samples from eight of the wells. After the 2Q2022 sampling event, Patriot reported that samples from five of the monitoring wells showed increased PCE concentrations, but PCE concentrations in four of those wells reduced to pre-injection levels during the 3Q2022.

TCE was detected in samples from 18 of the 3Q2022 wells as compared to samples from 25 of the pre-injection wells. TCE concentrations decreased from pre-injection levels in samples from 12 wells with samples from seven wells reduced to non-detectable (three of the seven reached non-detectable in the 3Q2022), increased in samples from three wells, and had no significant change in samples from ten wells. After the 2Q2022 sampling event, Patriot reported that samples from eight of the monitoring wells showed increased TCE concentrations, but TCE concentrations in five of those wells reduced to pre-injection levels during the 3Q2022.

cDCE was detected in samples from 18 of the 3Q2022 wells as compared to samples from 10 of the pre-injection wells. cDCE concentrations decreased from pre-injection levels in samples from three of the wells, increased in samples from 15 of the wells, and no had no significant change in samples from one well.

tDCE was detected in samples from three of the 3Q2022 wells and three of the pre-injection wells.

VC was detected in samples from 10 of the 3Q2022 wells as compared to samples from three of the pre-injection wells.

4.5 Evaluation of PRB Effectiveness

The overall reduction in PCE and TCE concentrations and the increase in cDCE and VC concentrations indicate that reductive dechlorination of PCE and TCE to daughter products is occurring. A summary of the 3Q2022 COC concentration trends by PRB is provided below with the 3Q2022 data compared to pre-injection levels unless otherwise noted.

PlumeStop PRB

MW-12 – No significant TCE concentration change, no PCE, cDCE , or VC

MW-12D – No COCs detected in pre- or post-injection samples

MW-14 – No COCs detected in pre- or post-injection samples

MW-14D – TCE decreased from pre-injection levels but stable over 3 quarterly events, cDCE trending upward, no PCE or VC

MW-15 – TCE trending slightly upward, no PCE, cDCE, or VC

MW-15D – cDCE trending downward, no PCE, TCE or VC, tDCE reduced to non-detectable

MW-43 – No COCs detected in pre- or post-injection samples

MW-43D – TCE and cDCE reduced to non-detectable, no PCE or VC

PRB 1

MW-24 – No significant PCE concentration change, TCE trending downward and is below the RCG Commercial VIGWSL in Q3, cDCE trending upward, no VC

MW-36 - PCE and TCE increased from pre-injection levels but have trended downward during the 3 quarterly events with TCE reduced to below the RCG Commercial VIGWSL, no cDCE or VC

MW-37 – No significant PCE or TCE concentration change, no cDCE or VC

MW 36 and MW-37 are not being effectively treated by PRB-1 due to their location on the upgradient edge of the PRB and groundwater flow direction.

PRB 2

MW-11 – PCE and TCE trending downward with TCE reduced to below the RCG Residential VIGWSL in Q3, cDCE trending strongly upward, no VC

MW-23 – PCE and TCE reduced to non-detectable, cDCE and VC strongly upward

MW-30 – PCE and TCE reduced to non-detectable in Q3, cDCE and VC trending strongly upward in 1Q2022 and 2Q2022 with a slight reduction in 3Q2022.

PRB 3

MW-26 – PCE and TCE trending downward with PCE approaching the RCG TWSL and TCE approaching the RCG Residential VIGWSL, no cDCE, and VC trending downward after significant increase in Q1

MW-32 (deep well) – No significant PCE or TCE concentration change, cDCE increased in 1Q2022 and is stable in 2Q2022 and 3Q2022, no VC

MW-39 – PCE and TCE strongly downward in 3Q2022 after increases in 1Q2022 and 2Q2022, with TCE below the RCG Commercial VIGWSL, VC increasing, no cDCE

PRB 4

MW-22 – PCE and TCE reduced to non-detectable in Q3, cDCE and VC trending upward

MW-22D – No significant PCE or TCE concentration change, cDCE and VC trending strongly upward

MW-33 – No significant PCE concentration change, TCE slowly decreasing, cDCE and VC increased over pre-injection levels and trending slightly downward

MW-33D – PCE and TCE increased in1Q2022 and stable in 2Q2022 and 3Q2022, cDCE trending upward, no VC

PRB 5

MW-29 – PCE and TCE reduced to non-detectable, cDCE trending upward, no VC

MW-29D – No significant trends for PCE or TCE, cDCE trending upward, no VC

MW-40 – No significant TCE concentration change, cDCE and tDCE trending downward, no PCE or VC

MW-41 – TCE stable, cDCE and VC trending upward, no PCE

MW-41D – TCE reduced to non-detectable, cDCE and VC strongly downward after increases in 1Q2022 and 2Q2022, no PCE

MW-42 – TCE trending upward after initial reduction, no PCE, cDCE or VC

MW-42D – TCE increased in 1Q2022 but stable in 2Q2022 and 3Q2022, cDCE, and tDCE trending upward, no PCE or VC

Other Wells

MW-46I – TCE reduced to non-detectable, cDCE and VC increasing, no PCE

5.0 CURRRENT ON-SITE COC PLUME

The 3Q2022 groundwater monitoring data show that the extent and concentrations of the on-Site shallow and deep COC plumes have been reduced as described below.

5.1 Shallow PCE Plume

The extent of the on-Site shallow PCE plume based on the 3Q2022 data is depicted on Figure 7 and the extent of the August 2021 (pre-injection) shallow PCE plume is depicted on Figure 8, both of which are provided in Appendix A. The areal extent of the shallow PCE plume exceeding the RCG TWSL has been reduced on the southwester portion of the plume near PRB-1 and PRB-2. The PCE concentrations in this area have also been reduced significantly and PCE concentrations no longer exceed the RCG Commercial or Residential VIGWSLs. The extent and concentrations of the shallow PCE plume have not changed significantly on the northwest and north portions of the plume, apparently due to the southerly direction of groundwater flow in this area being roughly parallel to PRB-2.

5.2 Shallow TCE Plume

The extent of the on-Site shallow TCE plume based on the 3Q2022 data is depicted on Figure 9 and the extent of the August 2021 (pre-injection) shallow TCE plume is depicted on Figure 10, both of which are provided in Appendix A. The areal extent of the shallow TCE plume exceeding the RCG Commercial VIGWSL has been reduced significantly on the western portion of the plume, and the extent of the shallow TCE plume exceeding the RCG TWSL has been reduced significantly on the southwest and south-central portions of the plume. The areal extent and concentrations on the eastern portion of the plume have not changed significantly, but it is expected that they will be reduced as groundwater conditions continue to become more amenable to ERD downgradient from the PRBs.

5.3 Shallow cDCE and VC Plumes

The extent of the on-Site shallow cDCE plume based on the 3Q2022 data is depicted on Figure 11, the extent of the August 2021 (pre-injection) shallow cDCE plume is depicted on Figure 12, and the extent of the shallow VC plume is depicted on Figure 13, all of which are provided in Appendix A. VC was not detected at the Site above the RCG TWSLs prior to remediation implementation. The areal extent of the shallow cDCE plume exceeding the RCG TWSL has increased significantly due to the breakdown of PCE and TCE to cDCE. The bulk of the shallow cDCE plume corresponds to the areas where the greatest reductions in PCE and TCE concentrations have occurred, which documents that ERD is occurring at the Site. The absence of cDCE on the northern portions of the

shallow PCE and TCE plumes indicates that conditions amenable to ERD have not been fully established in this area.

The areal extent of the shallow VC plume is smaller than the cDCE plume but is located in roughly the same area. The highest VC concentrations are located on the southwest portion of the Site, which corresponds to the area of greatest PCE and TCE reductions.

5.4 Deep PCE and TCE Plumes

The extents of the current and pre-injection on-Site deep PCE plumes are shown on Figures 14 and 15 and the extents of the current and pre-injection TCE plumes are shown on Figures 16 and 17, all of which are provided in Appendix A. The areal extents of the current deep PCE and TCE plumes have reduced slightly from the pre-injection plumes, but it does not appear that conditions amenable to ERD have been adequately established in the on-Site deep groundwater. It is expected that the PCE and TCE concentrations will continue to decrease as groundwater conditions downgradient of the PRBs become established.

5.5 Deep cDCE Plume

The extents of the current and pre-injection on-Site deep cDCE plumes are shown on Figures 18 and 19, respectively, in Appendix A. The current cDCE plume extends further to the west than the pre-injection plume, indicating that ERD is occurring in the areas where deep PCE and TCE impacts are present.

6.0 CONCLUSIONS

Based on the findings of the 3Q2022 groundwater monitoring event, the following conclusions are drawn:

- The PlumeStop PRB is reducing the TCE concentrations at the downgradient boundary of the HRID Property in both shallow and deep groundwater. Shallow wells MW-12 and MW-15 had a reduction in TCE concentrations during the 1Q2022 sampling event, but the TCE concentrations rebounded in both wells in 2Q2022 and 3Q2022. Future groundwater monitoring will document whether COC reduction is occurring at these locations. The decreasing TCE concentrations in

wells MW-14D and MW-43D, and the increasing cDCE concentrations in MW-14D are evidence that reductive dechlorination is occurring. The results of the off-Site groundwater monitoring conducted in November 2022 will provide further data regarding the effectiveness of the PlumeStop PRB.

- PRB-1 is reducing the TCE concentrations at MW-24, which is located adjacent to the PRB, but has not had a noticeable effect on the COC concentrations at MW-36 and MW-37, which are located approximately 40 and 90 feet, respectively, northeast of the northern end of the PRB. The increasing cDCE concentrations in MW-24 is evidence that reductive dechlorination is occurring. MW-36 and MW-37 are located northeast of the PRB in an area with a southerly groundwater flow direction and may not be impacted by the PRB.

- PRB-2 is reducing the downgradient PCE and TCE concentrations in all three shallow monitoring wells, with PCE and TCE reduced to non-detectable in MW-23 and MW-30, and TCE reduced to below the RCG Residential VIGWSL in MW-11. The strongly increasing cDCE and/or VC concentrations in all three monitoring wells is evidence that reductive dechlorination is occurring.

- PRB-3 has reduced the PCE and TCE concentrations in shallow well MW-26 with both PCE and TCE approaching the RCG TWSLs. In deep well MW-32 and shallow well MW-39, PCE and TCE concentrations increased in 1Q2022 and 2Q2022, but decreased significantly in 3Q2022, indicating that conditions amenable to ERD are becoming established. The appearance of cDCE and/or VC in all three wells is evidence that reductive dechlorination is occurring.

- PRB-4 has reduced the PCE and TCE concentrations in shallow monitoring well MW-22 to non-detectable but has not had a noticeable impact on PCE and TCE concentrations in the corresponding deep well MW-22D. However, increasing cDCE and VC concentrations in MW-22D during the 2Q2022 and 3Q2022 indicate that conditions amenable to ERC are becoming established in the deeper groundwater. PCE and TCE concentrations appear to be slowly decreasing in shallow monitoring well MW-33 but no significant changes in the PCE and TCE concentrations have been noted in the corresponding deep well MW-33D. cDCE and/or VC concentrations are slowly increasing in wells MW-33 and MW-33D, indicating that reductive dechlorination is occurring.

- PRB-5 has reduced the TCE concentrations in the central monitoring well MW-29 to non-detectable but has not had a noticeable effect on the PCE and TCE concentrations in the corresponding deep well MW-29D. However, consistently increasing cDCE concentrations in MW-29D indicate that conditions amenable to ERD are becoming established in the deeper groundwater at this location. There are no significant changes to the TCE concentrations in monitoring well MW-40, but this well is located on the far northern end of PRB-5 in an area where groundwater flow is primarily southerly, indicating the PRB-5 may not be affecting the groundwater conditions at MW-40. TCE concentrations in shallow monitoring well MW-41, located near the southern portion of PRB-5, decreased in 1Q2022 but have increased in 2Q2022 and 3Q2022. cDCE and VC concentrations have steadily increased in samples from MW-41 indicating that ERD is occurring. TCE concentrations were reduced to non-detectable in deep monitoring well MW-41D during the 1Q2022 and were accompanied by sharp increases in cDCE and VC. There have been no significant changes in the TCE concentrations in monitoring wells MW-42 and MW-42D, but these wells are located approximately 150 feet east of PRB-5 and there may not have been enough time since the remedial injections for groundwater conditions amenable to ERC to become established in this area.

In general, it appears that reductive dechlorination is occurring to a greater degree on the southern portion of the HRID Property and lessens in a northward direction. The direction of groundwater flow is southerly on the northern portion of the HRID Property switching to easterly along the central and southern portions of the property. The southerly flow on the northern portion of the HRID property is not directly perpendicular to the PRBs and appears to be slowing the establishment of groundwater conditions that are most supportive of reductive dechlorination, especially at MW-36 and MW-37.

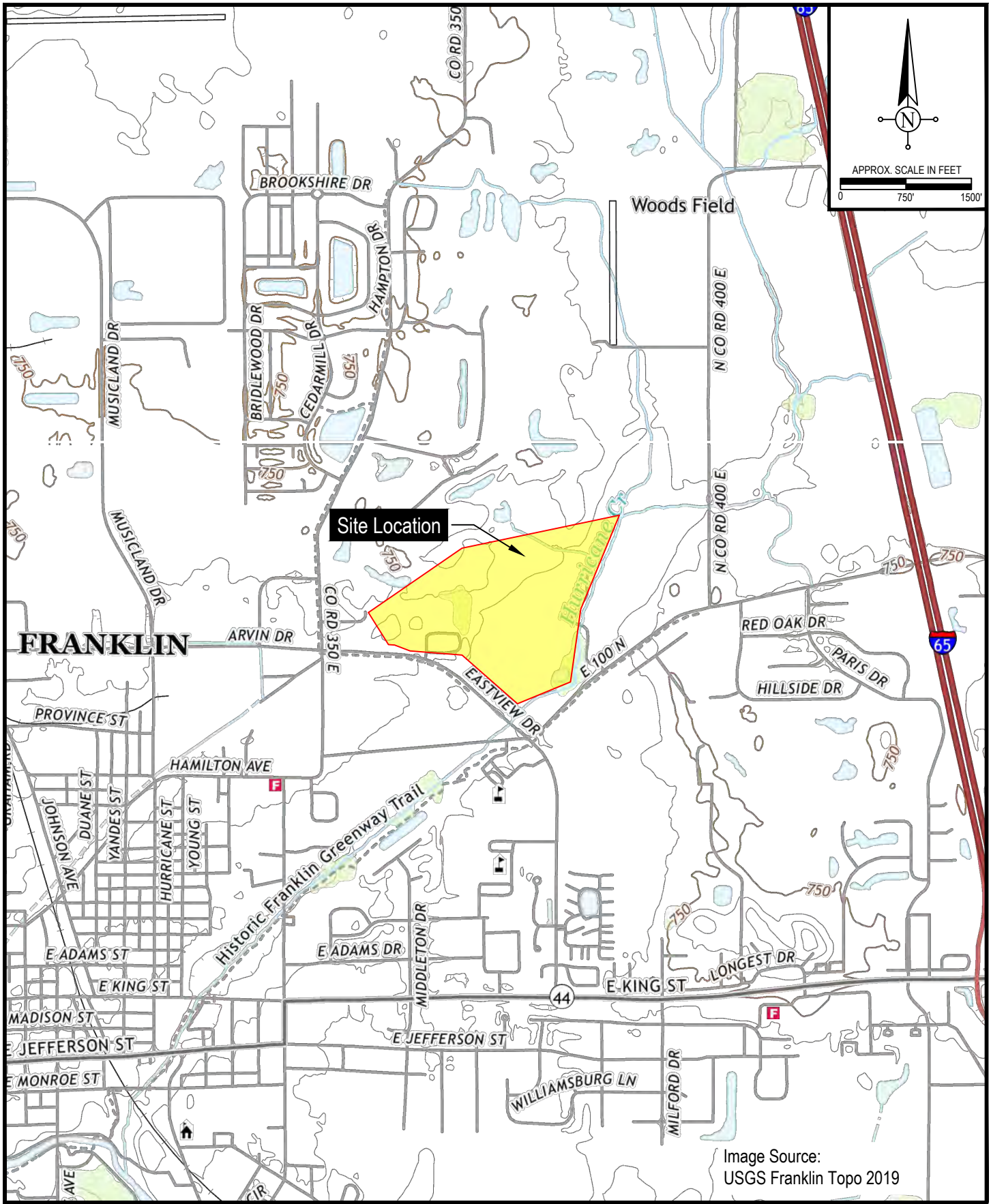
7.0 MONITORING SCHEDULE

The fourth quarter 2022 (4Q2022) monitoring event on the HRID Property, which was both the fourth quarterly and the annual on-Site monitoring event since completion of the remedial injections, was performed in November 2022. The 4Q2022 monitoring event on the Kasting Property, which was the first quarterly sampling event since completion of the off-Site remedial injections, was also performed in November 2022. The results of the 4Q2022 sampling events will be submitted to IDEM in a quarterly monitoring report.

The additional monitoring wells discussed in Section 4.1 of Patriot's Remediation Work Plan Implementation Report and 1Q2022 Groundwater Monitoring Results (July 14, 2022) report were installed on the Kasting Property prior to the 4Q2022 sampling event.

APPENDIX A

FIGURES

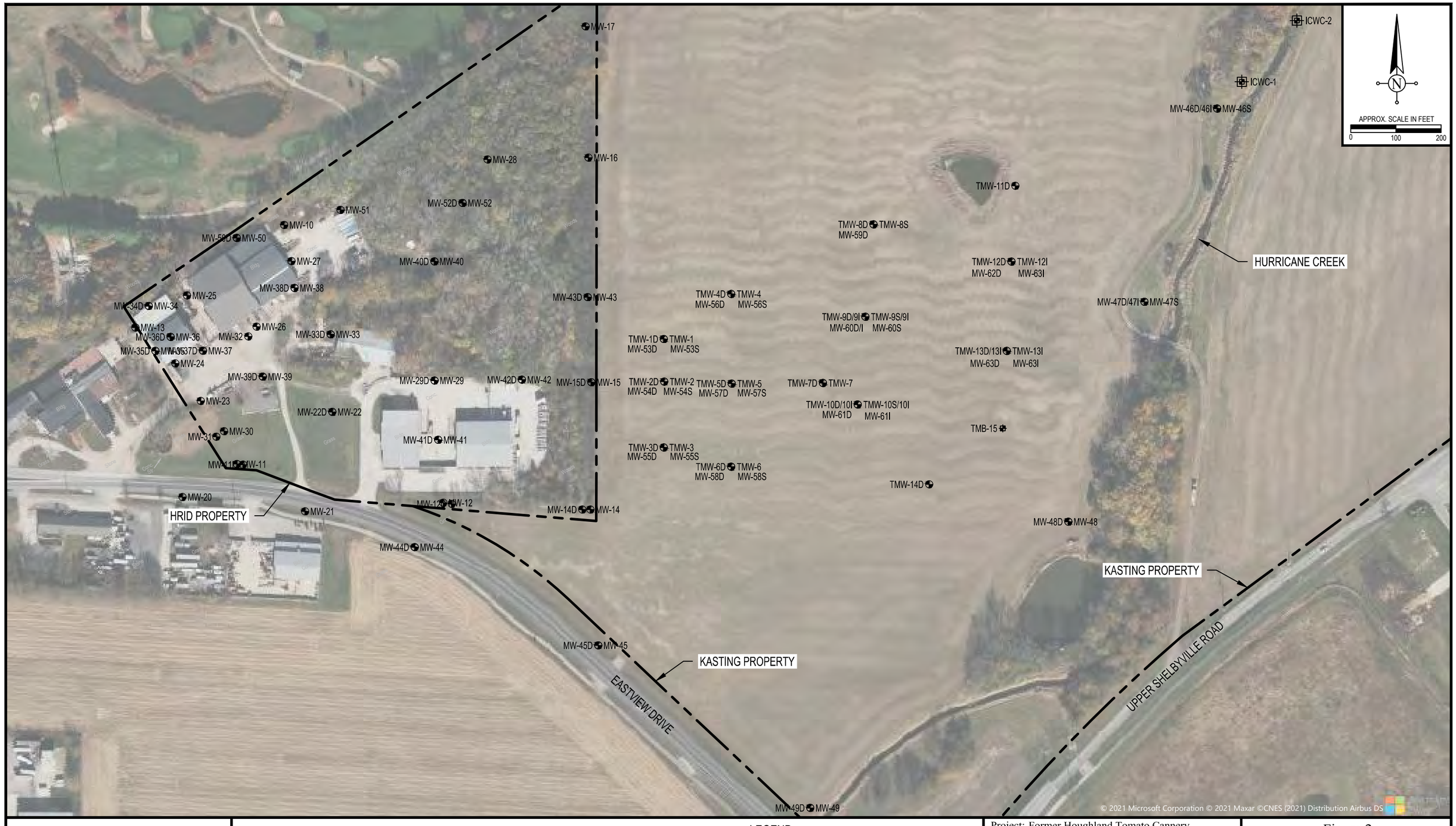


Patriot Engineering & Environmental, Inc.

Project: Former Houghland Tomato Cannery 1130 E. Eastview Drive Franklin, Indiana IDEM Identification No. 2013-34567	
	Drawn By: J. DuMond
Project Number21-1359-01E	Approved: M. Casper
Date: January 24, 2022	DWG: 21-1359-01_1

Figure 1

Site Location Map



Patriot Engineering & Environmental, Inc.

LEGEND

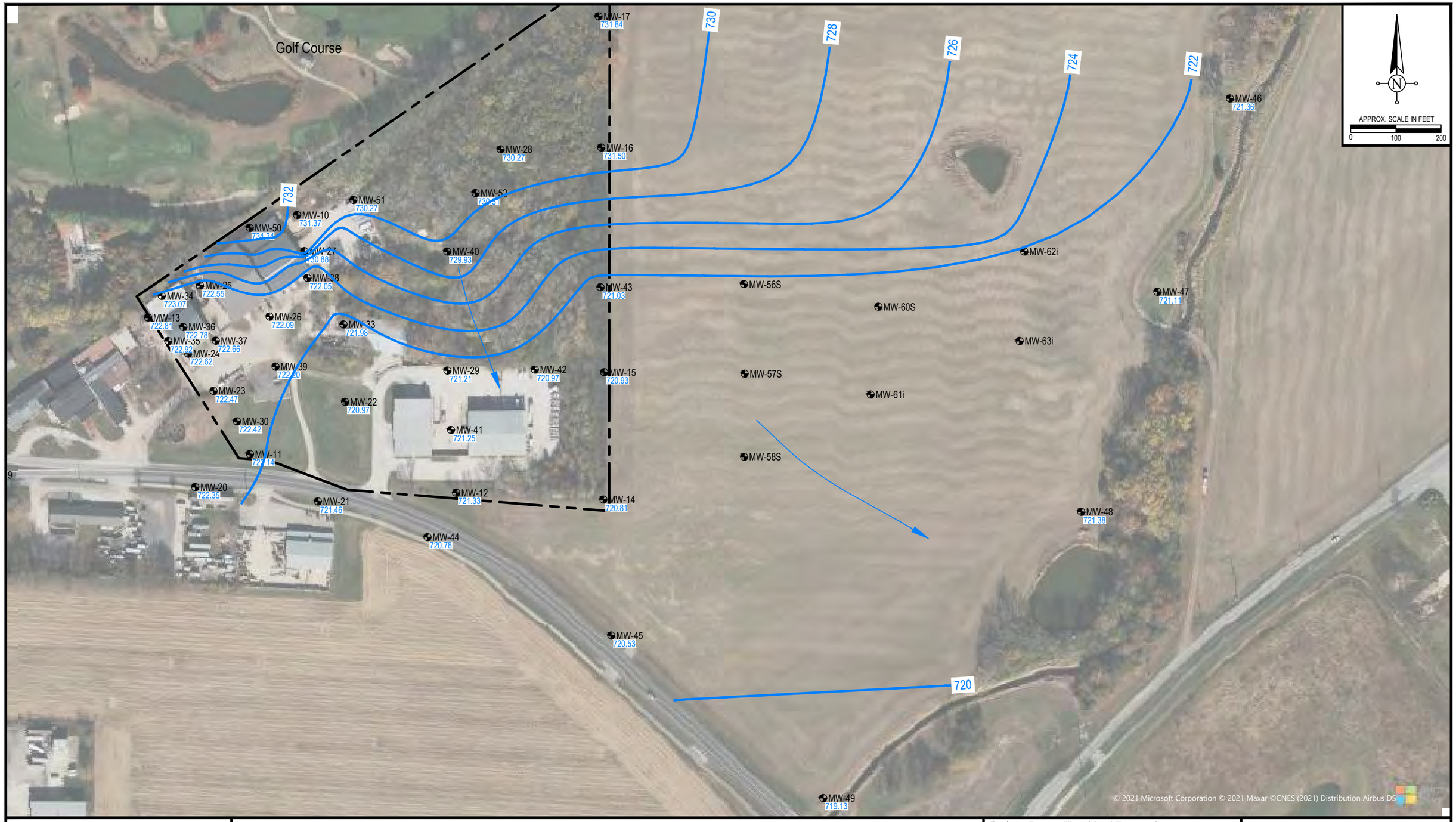
- Site Boundary
- Patriot Monitoring Well Location
- Water Production Well

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number:21-1359-01E	Approved: J. Cody
Date: June 9, 2022	DWG: 21-1359-01_FSI4b

Figure 2

Site Layout Map



Patriot Engineering & Environmental, Inc.

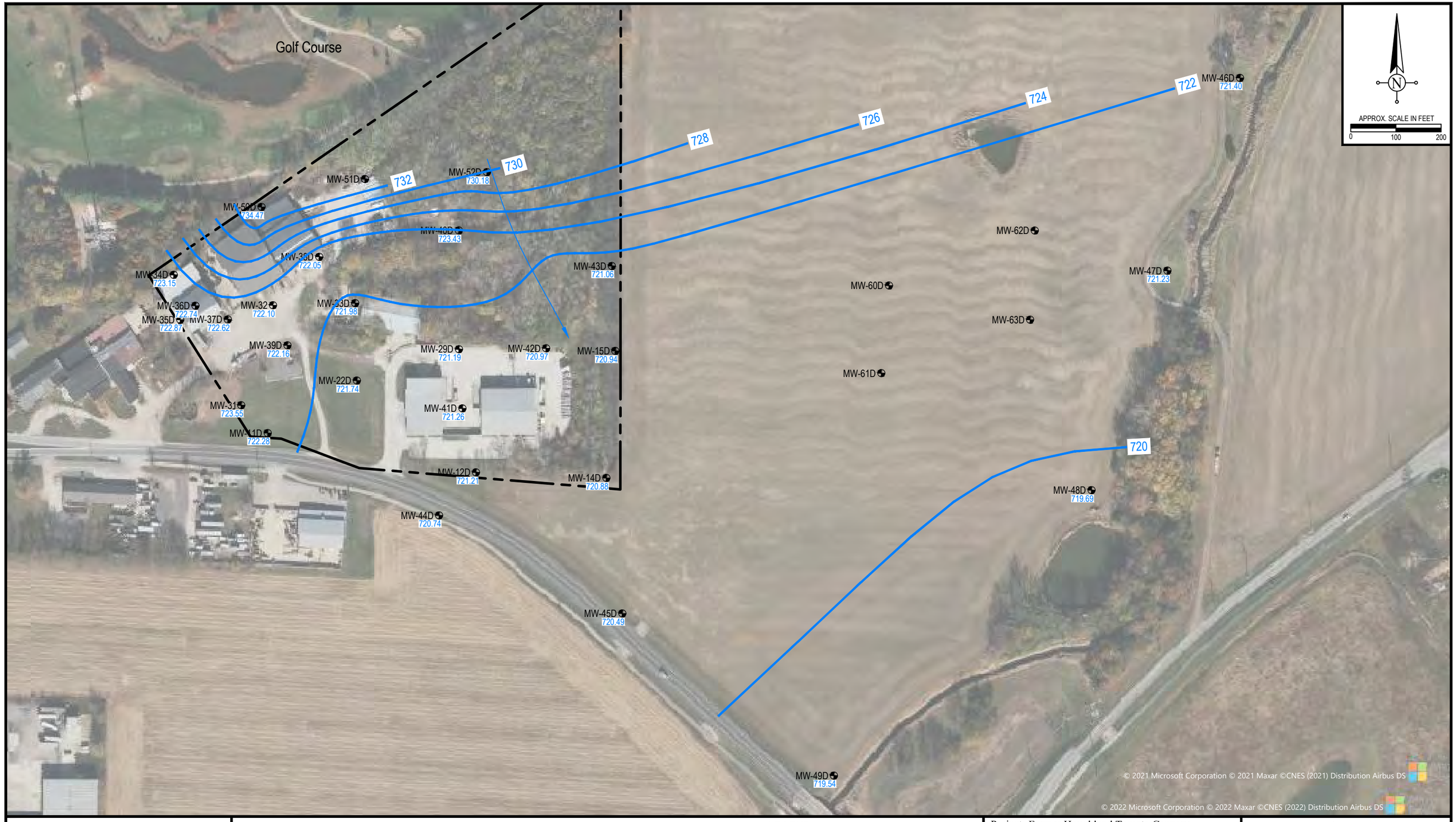
LEGEND

- Site Boundary
- Patriot Monitoring Well Location
- 719.84 Groundwater Elevation (ft.)
- 719 Groundwater Elevation Contour Line
- Inferred Groundwater Contour Line
- Groundwater Flow Direction

Project: Former Houghland Tomato Cannery 1130 E. Eastview Drive Franklin, Indiana IDEM Identification No. 2013-34567	
	Drawn By: J. DuMond
Project Number 21-1359-01E	Approved: M. Casper
Date: November 23, 2022	DWG: 21-1359-01_FSI4

Figure 3

Shallow Potentiometric Surface Map
August 8, 2022



Patriot Engineering & Environmental, Inc.

LEGEND

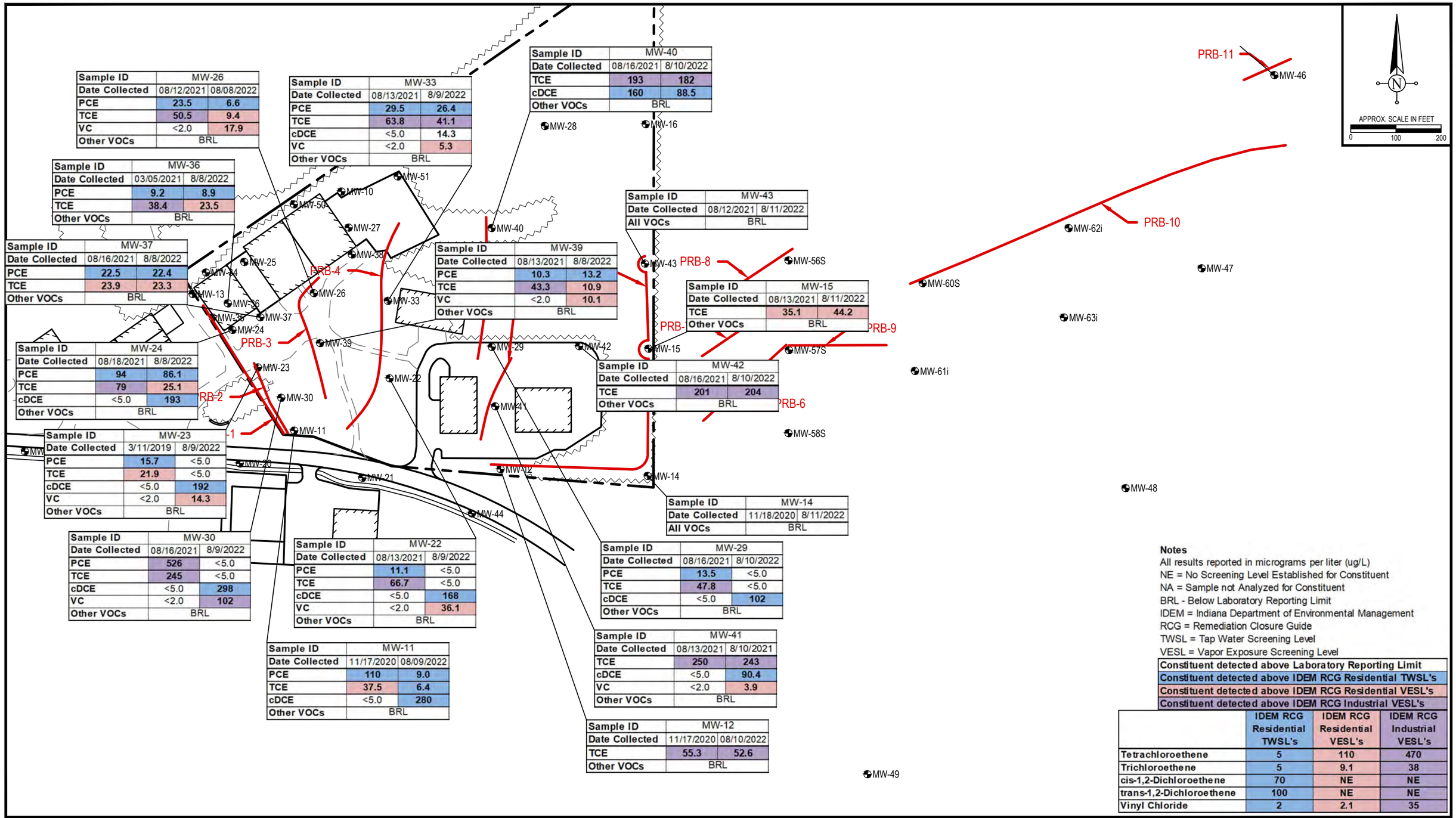
- Site Boundary
- Patriot Monitoring Well Location
- 719.84 Groundwater Elevation (ft.)
- 719 Groundwater Elevation Contour Line
- Groundwater Flow Direction

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number 21-1359-01E	Approved: M. Casper
Date: November 23, 2022	DWG: 21-1359-01_FSI4

Figure 4

Deep Potentiometric Surface Map
August 8, 2022



Sample ID	MW-26	
Date Collected	08/12/2021	08/08/2022
PCE	23.5	6.6
TCE	50.5	9.4
VC	<2.0	17.9
Other VOCs	BRL	

Sample ID	MW-33	
Date Collected	08/13/2021	8/9/2022
PCE	29.5	26.4
TCE	63.8	41.1
cDCE	<5.0	14.3
VC	<2.0	5.3
Other VOCs	BRL	

Sample ID	MW-40	
Date Collected	08/16/2021	8/10/2022
TCE	193	182
cDCE	160	88.5
Other VOCs	BRL	

Sample ID	MW-36	
Date Collected	03/05/2021	8/8/2022
PCE	9.2	8.9
TCE	38.4	23.5
Other VOCs	BRL	

Sample ID	MW-43	
Date Collected	08/12/2021	8/11/2022
All VOCs	BRL	

Sample ID	MW-37	
Date Collected	08/16/2021	8/8/2022
PCE	22.5	22.4
TCE	23.9	23.3
Other VOCs	BRL	

Sample ID	MW-39	
Date Collected	08/13/2021	8/8/2022
PCE	10.3	13.2
TCE	43.3	10.9
VC	<2.0	10.1
Other VOCs	BRL	

Sample ID	MW-15	
Date Collected	08/13/2021	8/11/2022
TCE	35.1	44.2
Other VOCs	BRL	

Sample ID	MW-24	
Date Collected	08/18/2021	8/8/2022
PCE	94	86.1
TCE	79	25.1
cDCE	<5.0	193
Other VOCs	BRL	

Sample ID	MW-42	
Date Collected	08/16/2021	8/10/2022
TCE	201	204
Other VOCs	BRL	

Sample ID	MW-23	
Date Collected	3/11/2019	8/9/2022
PCE	15.7	<5.0
TCE	21.9	<5.0
cDCE	<5.0	192
VC	<2.0	14.3
Other VOCs	BRL	

Sample ID	MW-14	
Date Collected	11/18/2020	8/11/2022
All VOCs	BRL	

Sample ID	MW-30	
Date Collected	08/16/2021	8/9/2022
PCE	526	<5.0
TCE	245	<5.0
cDCE	<5.0	298
VC	<2.0	102
Other VOCs	BRL	

Sample ID	MW-22	
Date Collected	08/13/2021	8/9/2022
PCE	11.1	<5.0
TCE	66.7	<5.0
cDCE	<5.0	168
VC	<2.0	36.1
Other VOCs	BRL	

Sample ID	MW-29	
Date Collected	08/16/2021	8/10/2022
PCE	13.5	<5.0
TCE	47.8	<5.0
cDCE	<5.0	102
Other VOCs	BRL	

Sample ID	MW-11	
Date Collected	11/17/2020	08/09/2022
PCE	110	9.0
TCE	37.5	6.4
cDCE	<5.0	280
Other VOCs	BRL	

Sample ID	MW-41	
Date Collected	08/13/2021	8/10/2021
TCE	250	243
cDCE	<5.0	90.4
VC	<2.0	3.9
Other VOCs	BRL	

Sample ID	MW-12	
Date Collected	11/17/2020	08/10/2022
TCE	55.3	52.6
Other VOCs	BRL	

Notes

All results reported in micrograms per liter (ug/L)
NE = No Screening Level Established for Constituent
NA = Sample not Analyzed for Constituent
BRL - Below Laboratory Reporting Limit
IDEM = Indiana Department of Environmental Management
RCG = Remediation Closure Guide
TWSL = Tap Water Screening Level
VESL = Vapor Exposure Screening Level

Constituent detected above Laboratory Reporting Limit
Constituent detected above IDEM RCG Residential TWSL's
Constituent detected above IDEM RCG Residential VESL's
Constituent detected above IDEM RCG Industrial VESL's

	IDEM RCG Residential TWSL's	IDEM RCG Residential VESL's	IDEM RCG Industrial VESL's
Tetrachloroethene	5	110	470
Trichloroethene	5	9.1	38
cis-1,2-Dichloroethene	70	NE	NE
trans-1,2-Dichloroethene	100	NE	NE
Vinyl Chloride	2	2.1	35

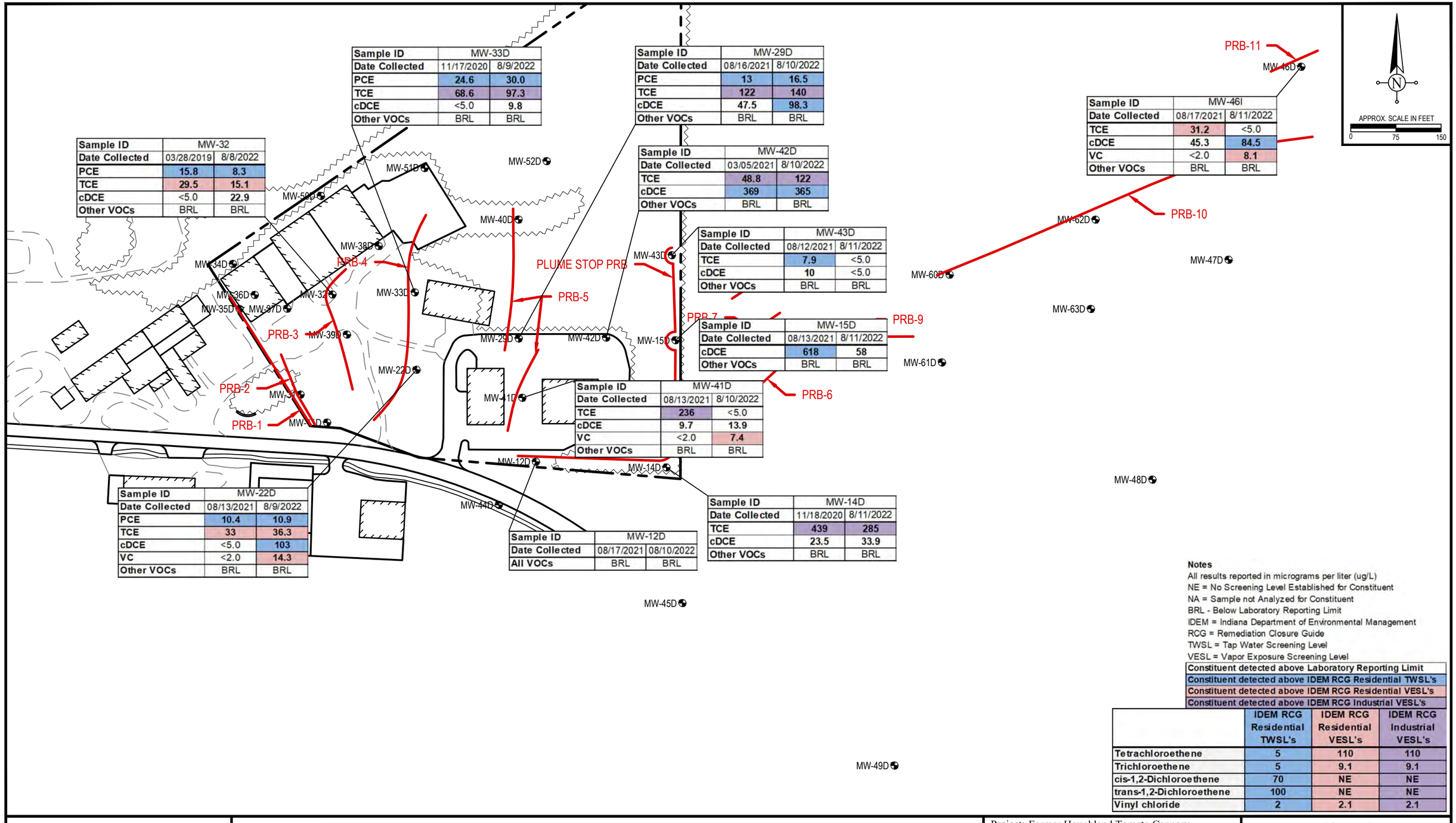
Patriot Engineering & Environmental, Inc.

LEGEND
Site Boundary
Patriot Monitoring Well Location

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

Drawn By: J. DuMond
Project Number: 21-1359-01E
Approved: M. Casper
Date: September 28, 2022
DWG: 21-1359-01_FSI4

Figure 5
Shallow Groundwater
Analytical Results Map
Pre- and Post-Injection
August 2022



Sample ID	MW-33D	
Date Collected	11/17/2020	8/9/2022
PCE	24.6	30.0
TCE	68.6	97.3
cDCE	<5.0	9.8
Other VOCs	BRL	BRL

Sample ID	MW-29D	
Date Collected	08/16/2021	8/10/2022
PCE	13	16.5
TCE	122	140
cDCE	47.5	98.3
Other VOCs	BRL	BRL

Sample ID	MW-46I	
Date Collected	08/17/2021	8/11/2022
TCE	31.2	<5.0
cDCE	45.3	84.5
VC	<2.0	8.1
Other VOCs	BRL	BRL

Sample ID	MW-32	
Date Collected	03/28/2019	8/8/2022
PCE	15.8	8.3
TCE	29.5	15.1
cDCE	<5.0	22.9
Other VOCs	BRL	BRL

Sample ID	MW-42D	
Date Collected	03/05/2021	8/10/2022
TCE	48.8	122
cDCE	369	365
Other VOCs	BRL	BRL

Sample ID	MW-43D	
Date Collected	08/12/2021	8/11/2022
TCE	7.9	<5.0
cDCE	10	<5.0
Other VOCs	BRL	BRL

Sample ID	MW-15D	
Date Collected	08/13/2021	8/11/2022
cDCE	618	58
Other VOCs	BRL	BRL

Sample ID	MW-41D	
Date Collected	08/13/2021	8/10/2022
TCE	236	<5.0
cDCE	9.7	13.9
VC	<2.0	7.4
Other VOCs	BRL	BRL

Sample ID	MW-22D	
Date Collected	08/13/2021	8/9/2022
PCE	10.4	10.9
TCE	33	36.3
cDCE	<5.0	103
VC	<2.0	14.3
Other VOCs	BRL	BRL

Sample ID	MW-14D	
Date Collected	11/18/2020	8/11/2022
TCE	439	285
cDCE	23.5	33.9
Other VOCs	BRL	BRL

Sample ID	MW-12D	
Date Collected	08/17/2021	08/10/2022
All VOCs	BRL	BRL

Notes

All results reported in micrograms per liter (ug/L)
NE = No Screening Level Established for Constituent
NA = Sample not Analyzed for Constituent
BRL - Below Laboratory Reporting Limit
IDEM = Indiana Department of Environmental Management
RCG = Remediation Closure Guide
TWSL = Tap Water Screening Level
VESL = Vapor Exposure Screening Level

Constituent detected above Laboratory Reporting Limit
Constituent detected above IDEM RCG Residential TWSL's
Constituent detected above IDEM RCG Residential VESL's
Constituent detected above IDEM RCG Industrial VESL's

	IDEM RCG Residential TWSL's	IDEM RCG Residential VESL's	IDEM RCG Industrial VESL's
Tetrachloroethene	5	110	110
Trichloroethene	5	9.1	9.1
cis-1,2-Dichloroethene	70	NE	NE
trans-1,2-Dichloroethene	100	NE	NE
Vinyl chloride	2	2.1	2.1

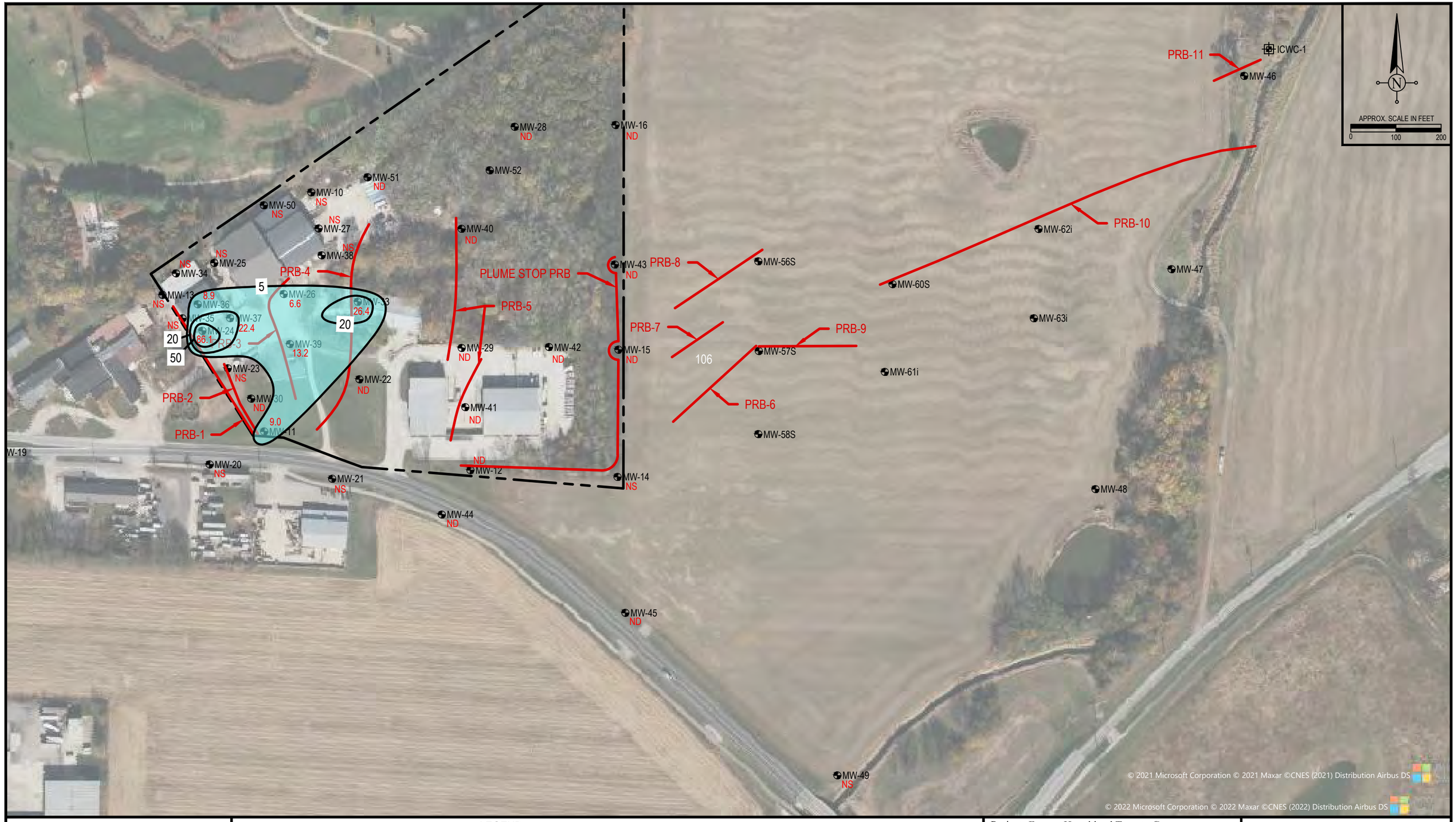
Patriot Engineering & Environmental, Inc.

LEGEND
Site Boundary
Patriot Monitoring Well Location
* = Data from Temporary Monitoring Wells TMW-1 trhough 7 collected between 3/05/2019 and 3/08/2019

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number21-1359-01E	Approved: M. Casper
Date: September 28, 2022	DWG: 21-1359-01_FSI4

Figure 6
Deep Groundwater
Analytical Results Map
Pre- and Post-Injection
August 2022



Patriot Engineering & Environmental, Inc.

LEGEND

- Site Boundary
- Permeable Reactive Barrier
- Patriot Monitoring Well Location
- 423 TCE Concentration (µg/L)
- ND Not Detected
- NS Not Sampled

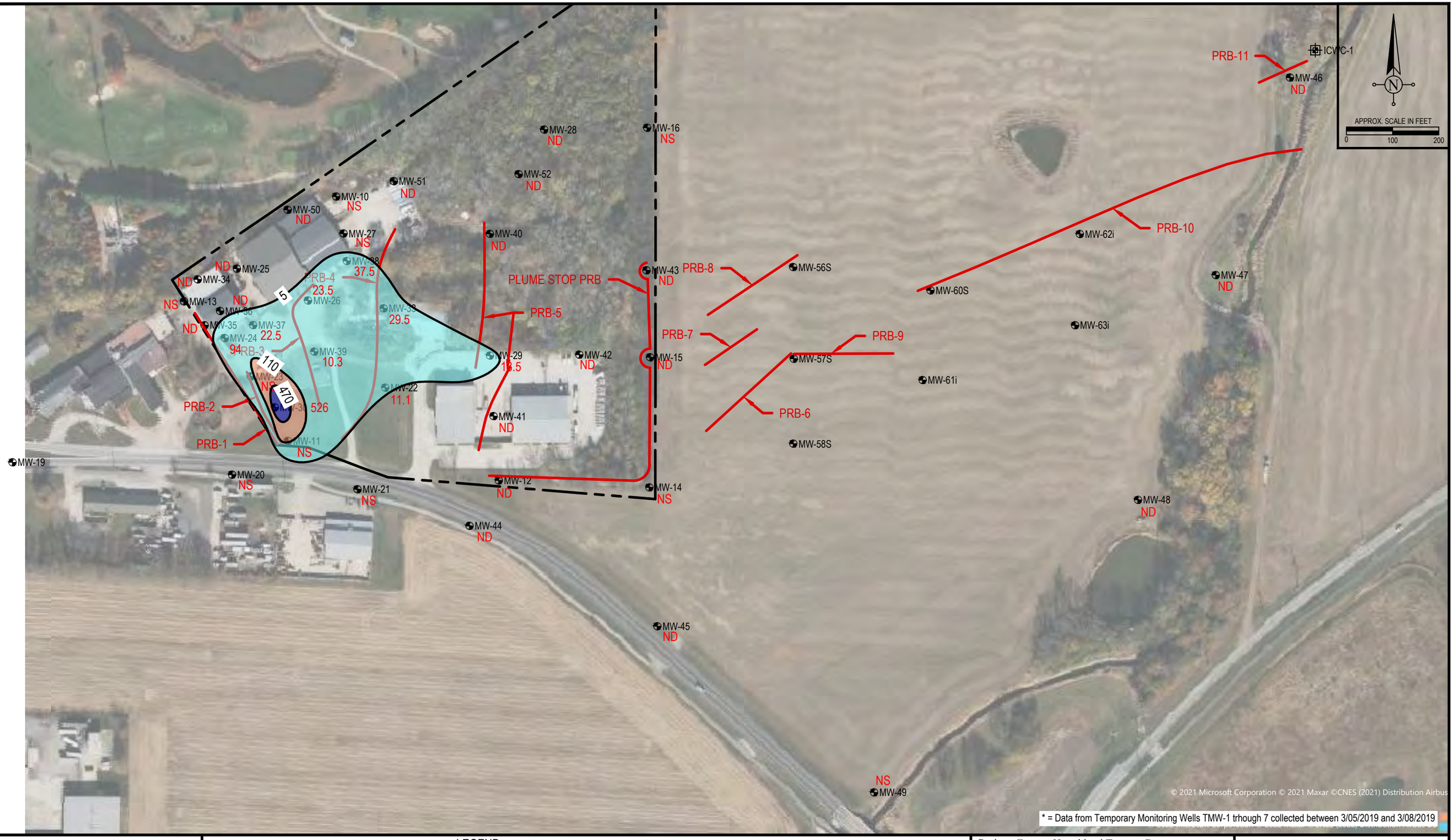
- Area where contaminant exceeds IDEM RCG Residential TWSL for PCE (5 µg/L)
- Area where contaminant exceeds IDEM RCG Residential VESL for PCE (110 µg/L)
- Area where contaminant exceeds IDEM RCG Industrial VESL for PCE (470 µg/L)

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number: 21-1359-01E	Approved: M. Casper
Date: October 27, 2022	DWG: 21-1359-01_FSI4

Figure 7

On-Site Shallow PCE Plume Map
August 8-11, 2022



* = Data from Temporary Monitoring Wells TMW-1 trhough 7 collected between 3/05/2019 and 3/08/2019

Patriot Engineering & Environmental, Inc.

LEGEND

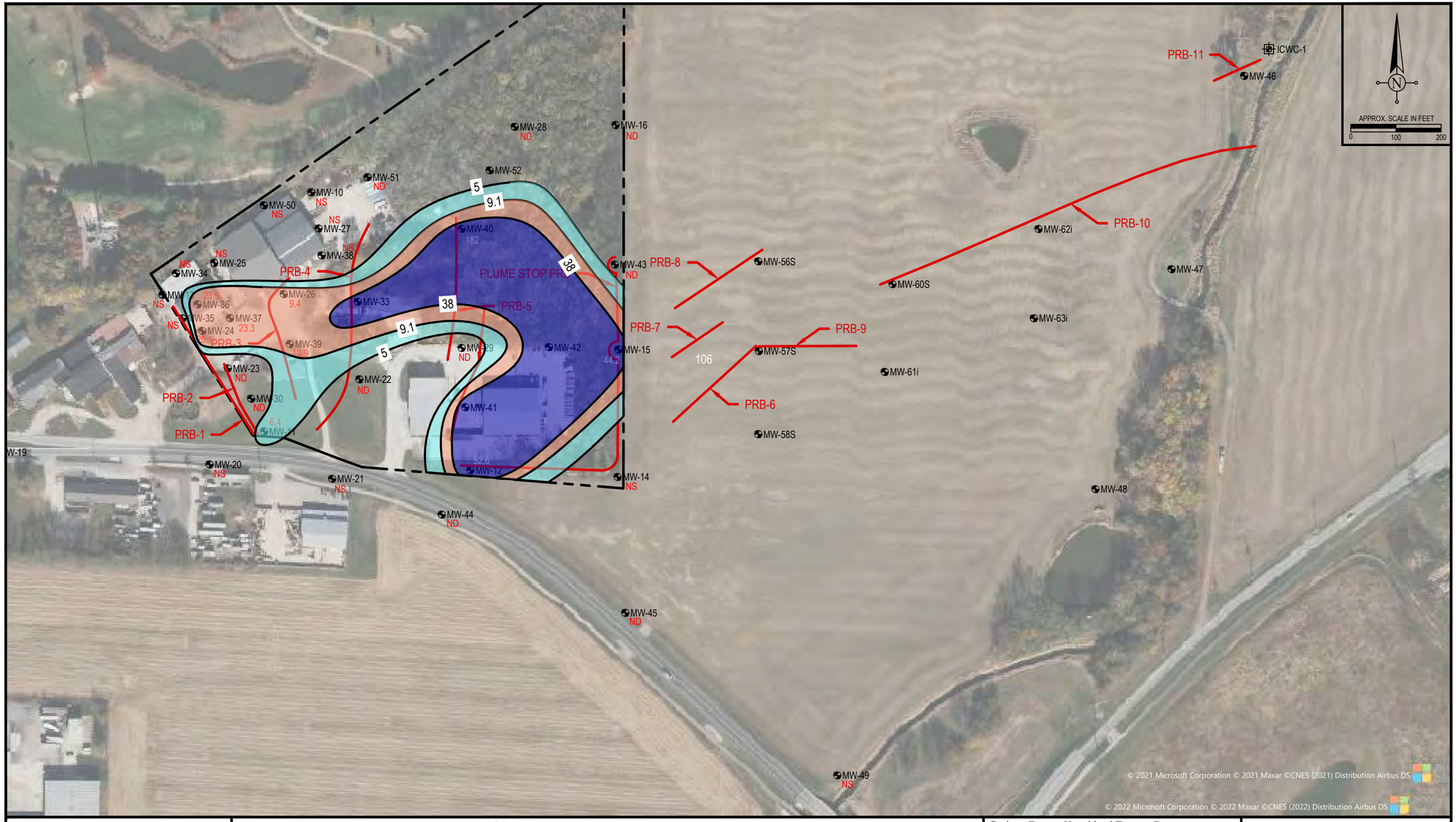
- Site Boundary
- Permeable Reactive Barrier
- Patriot Monitoring Well Location
- 423 PCE Concentration (µg/L)
- ND Not Detected
- NS Not Sampled
- Area where contaminant exceeds IDEM RCG Residential TWSL for PCE (5 µg/L)
- Area where contaminant exceeds IDEM RCG Residential VESL for PCE (110 µg/L)
- Area where contaminant exceeds IDEM RCG Industrial VESL for PCE (470 µg/L)

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number 21-1359-01E	Approved: J. Cody
Date: January 24, 2022	DWG: 21-1359-01_FSI4

Figure 8

On-Site Shallow PCE Plume Map August, 2021*



Patriot Engineering & Environmental, Inc.

LEGEND

- Site Boundary
- Permeable Reactive Barrier
- Patriot Monitoring Well Location
- 423 TCE Concentration (µg/L)
- ND Not Detected
- NS Not Sampled

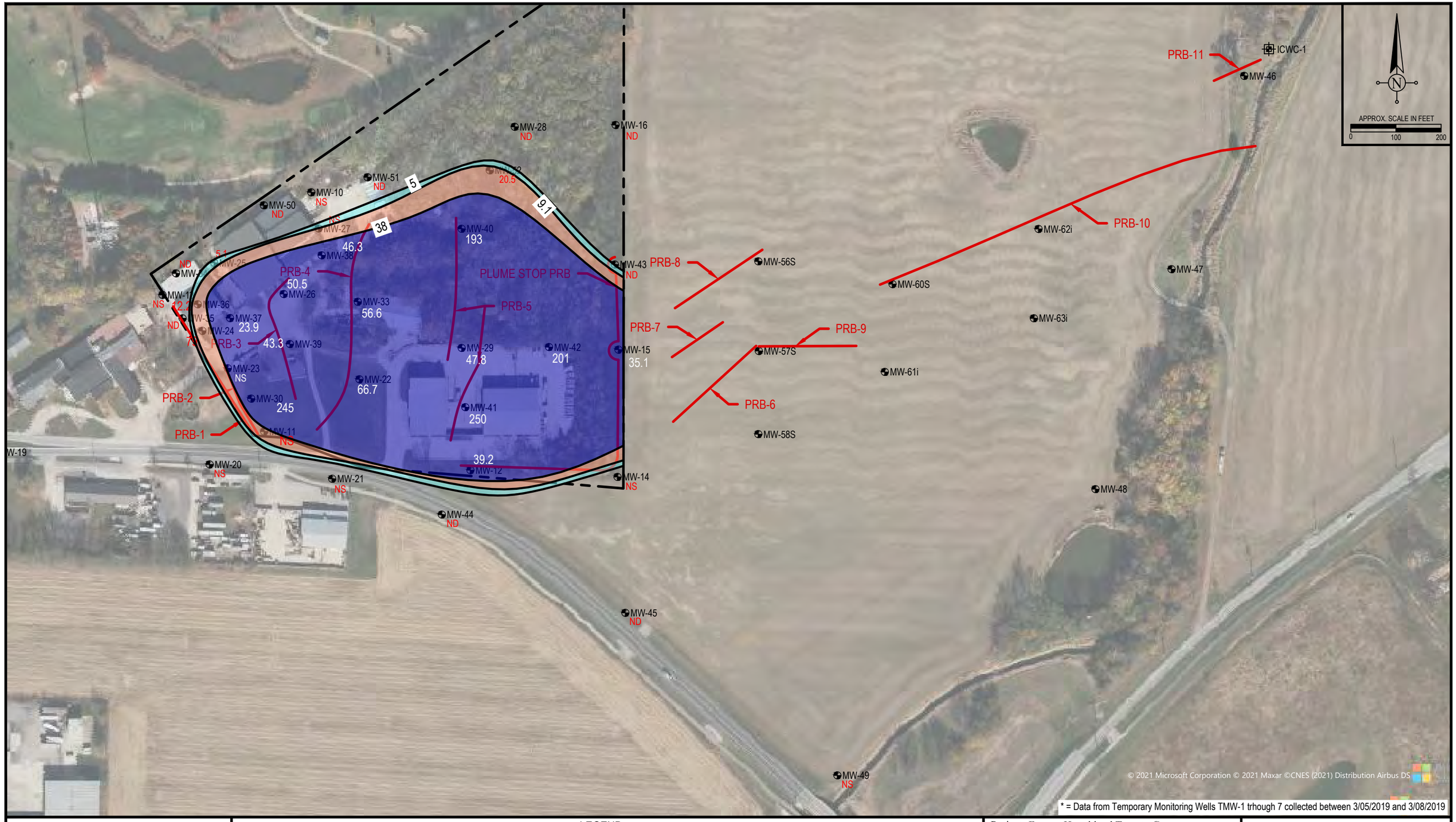
- Area where contaminant exceeds IDEM RCG Residential TWSL for TCE (5 µg/L)
- Area where contaminant exceeds IDEM RCG Residential VESL for TCE (9.1 µg/L)
- Area where contaminant exceeds IDEM RCG Industrial VESL for TCE (38 µg/L)

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number: 21-1359-01E	Approved: M. Casper
Date: November 23, 2022	DWG: 21-1359-01_FSI4

Figure 9

On-Site Shallow TCE Plume Map
August 8-11, 2022



* = Data from Temporary Monitoring Wells TMW-1 trhough 7 collected between 3/05/2019 and 3/08/2019

Patriot Engineering & Environmental, Inc.

LEGEND

- Site Boundary
- Permeable Reactive Barrier
- Patriot Monitoring Well Location
- 423 TCE Concentration (µg/L)
- ND Not Detected
- NS Not Sampled

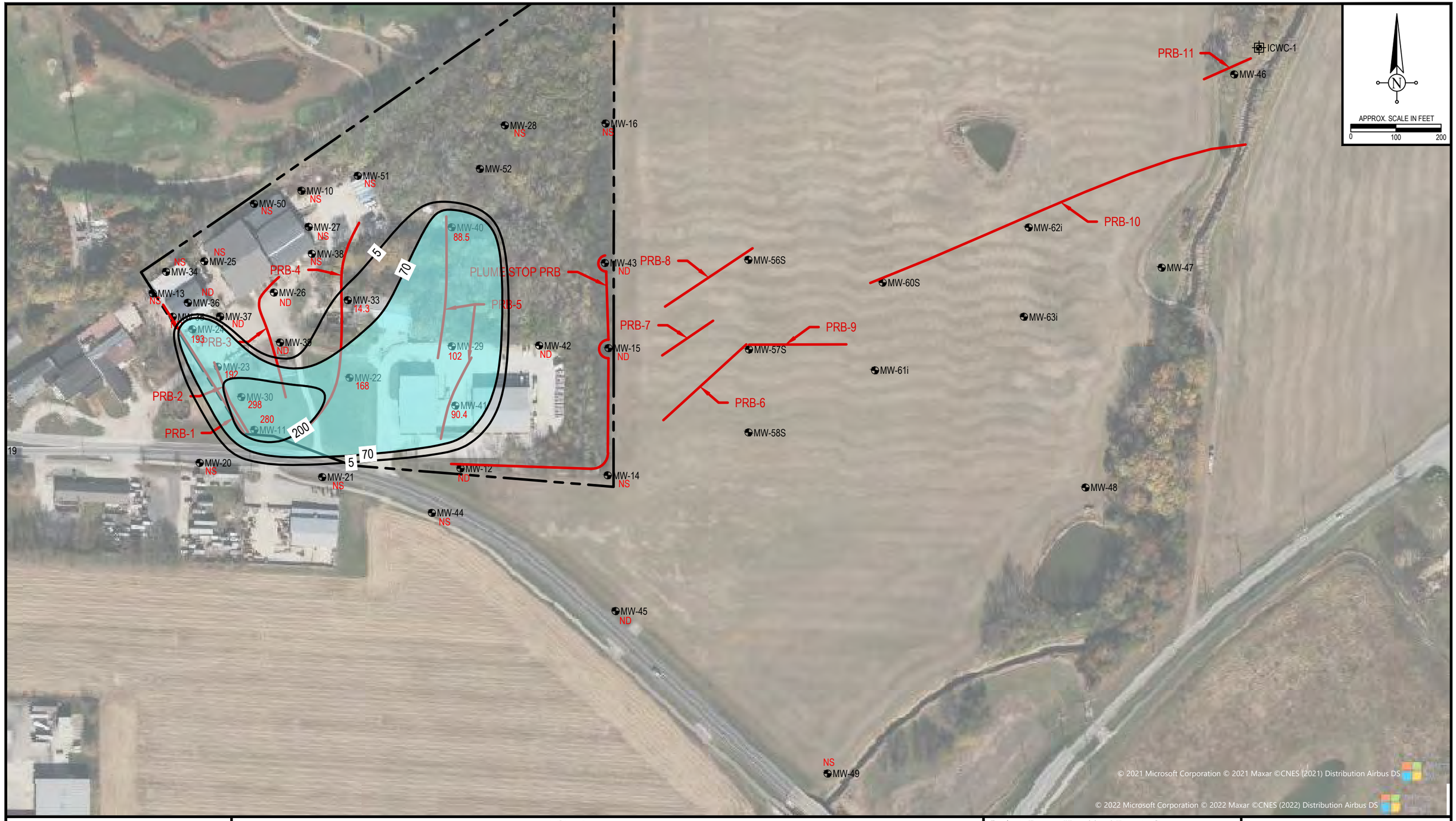
- Area where contaminant exceeds IDEM RCG Residential TWSL for TCE (5 µg/L)
- Area where contaminant exceeds IDEM RCG Residential VESL for TCE (9.1 µg/L)
- Area where contaminant exceeds IDEM RCG Industrial VESL for TCE (38 µg/L)

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number21-1359-01E	Approved: M. Casper
Date: November 23, 2022	DWG: 21-1359-01_FSI4

Figure 10

On-Site Shallow TCE Plume Map
August 2021*



Patriot Engineering & Environmental, Inc.

LEGEND

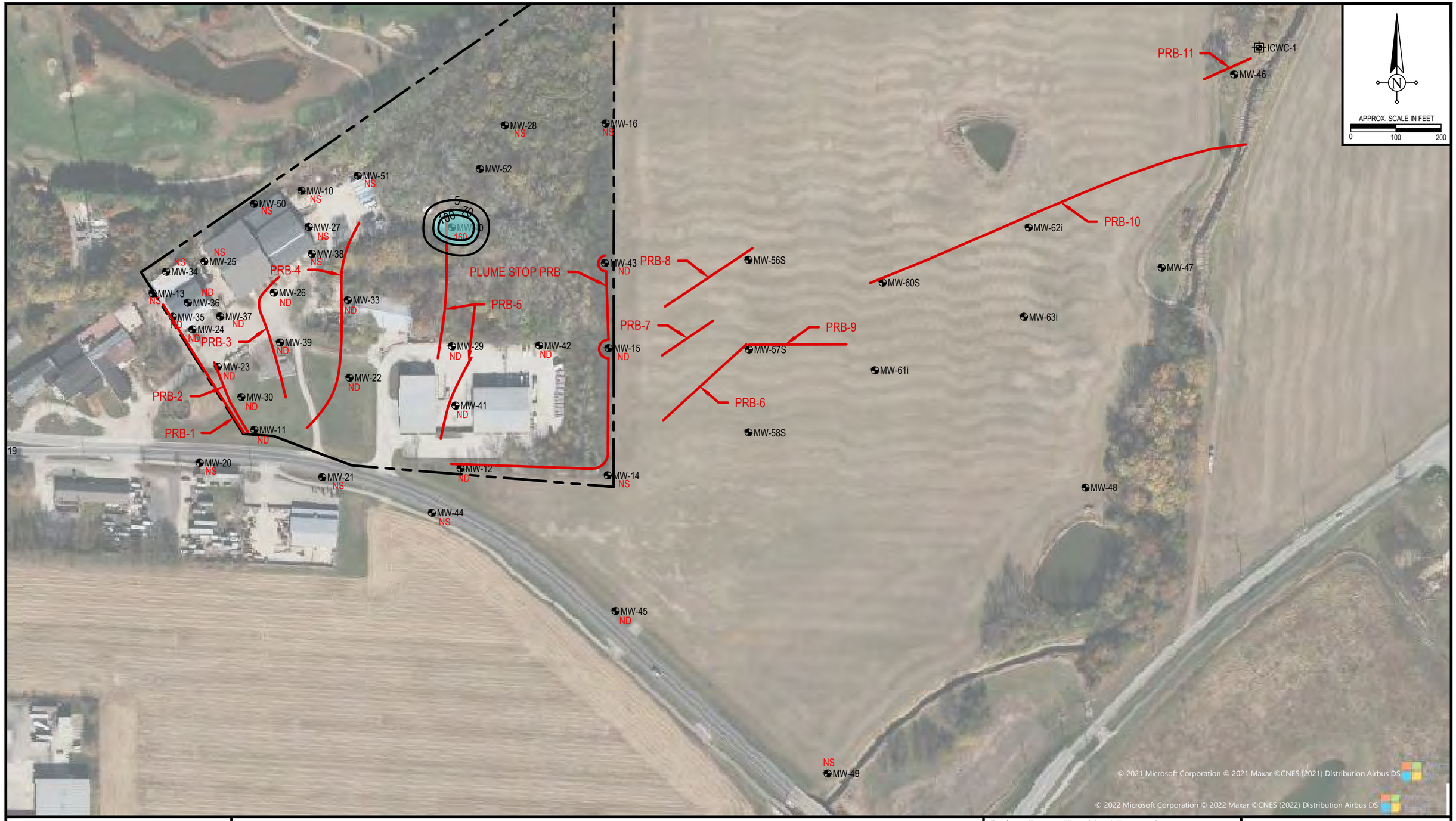
- Site Boundary
- Permeable Reactive Barrier
- Patriot Monitoring Well Location
- 423 cis-1,2-DCE Concentration (µg/L)
- ND Not Detected
- Area where contaminant exceeds IDEM RCG Residential TWSL for cis-1,2-DCE (70 µg/L)

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number: 21-1359-01E	Approved: M. Casper
Date: October 27, 2022	DWG: 21-1359-01_FSI4

Figure 11

On-Site Shallow cis-1,2-DCE Plume Map
August 8-11, 2022



Patriot Engineering & Environmental, Inc.

LEGEND

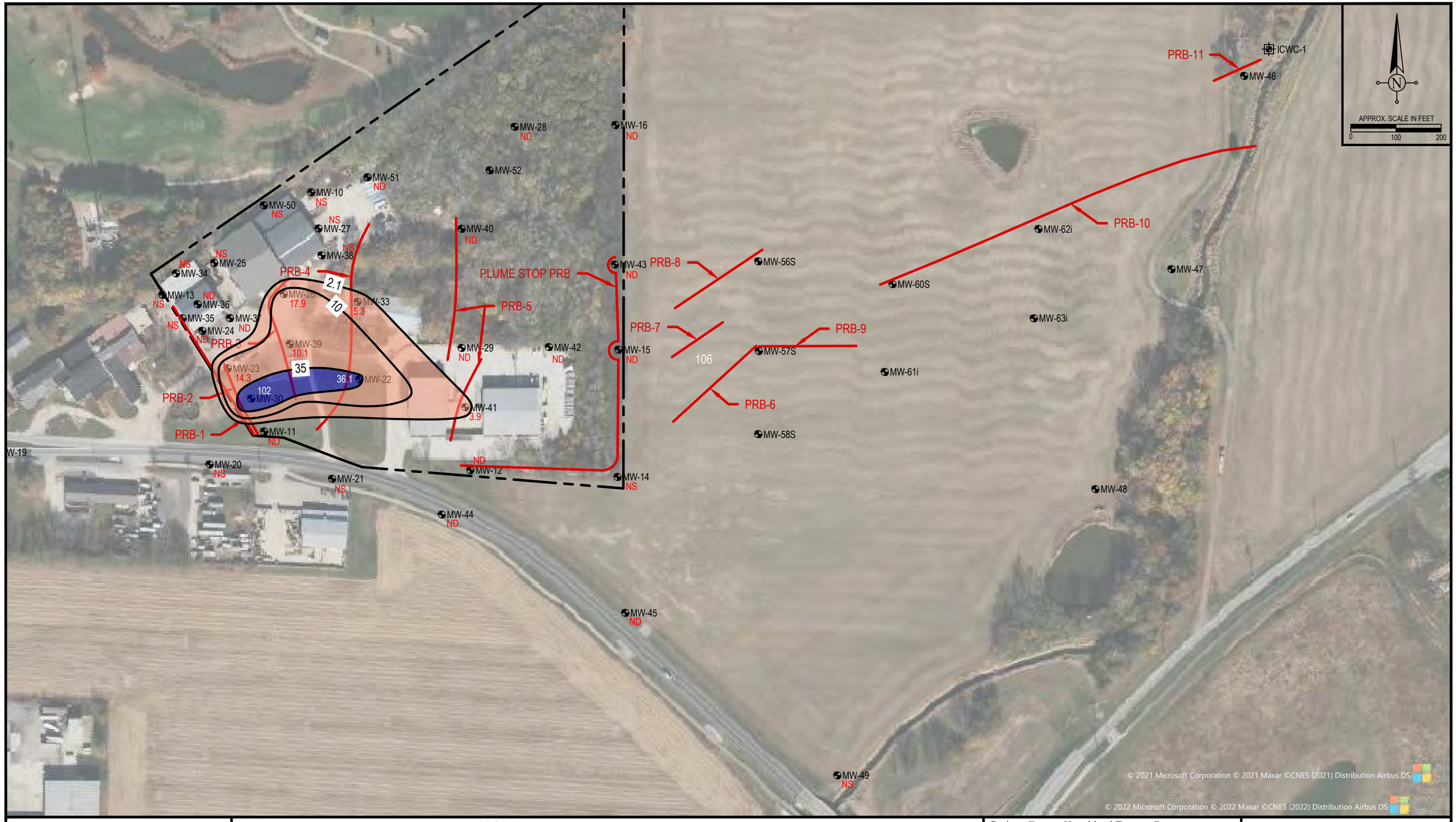
- Site Boundary
- Permeable Reactive Barrier
- Patriot Monitoring Well Location
- 423 cis-1,2-DCE Concentration (µg/L)
- ND Not Detected
- Area where contaminant exceeds IDEM RCG Residential TWSL for cis-1,2-DCE (70 µg/L)

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number: 21-1359-01E	Approved: M. Casper
Date: October 27, 2022	DWG: 21-1359-01_FSI4

Figure 12

On-Site Shallow cis-1,2-DCE Plume Map Pre-Injection



Patriot Engineering & Environmental, Inc.

LEGEND

- Site Boundary
- Permeable Reactive Barrier
- Patriot Monitoring Well Location
- 423 TCE Concentration (µg/L)
- ND Not Detected
- NS Not Sampled

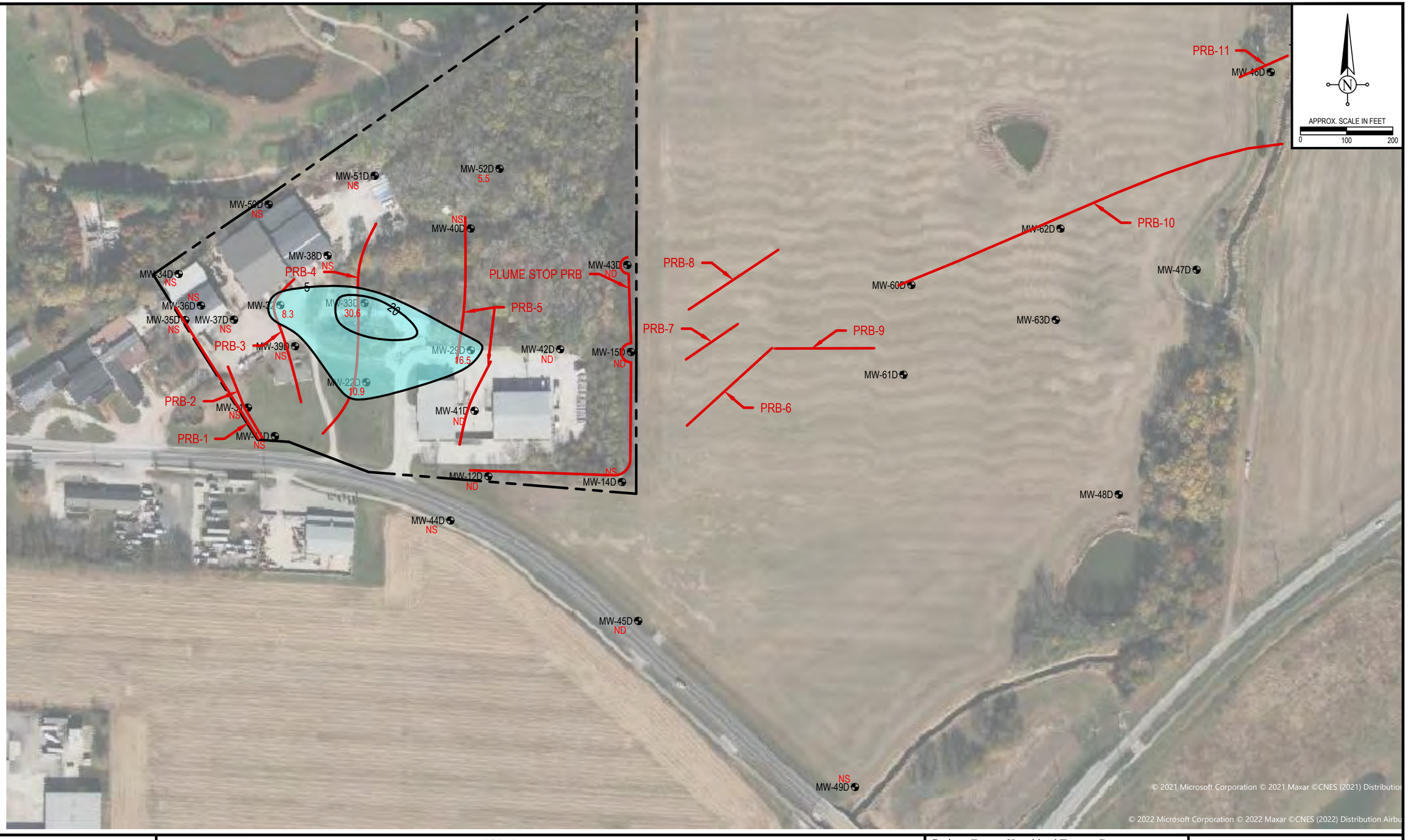
- Area where contaminant exceeds IDEM RCG Residential TWSL for VC (2 µg/L)
- Area where contaminant exceeds IDEM RCG Residential VESL for VC (2.1 µg/L)
- Area where contaminant exceeds IDEM RCG Industrial VESL for VC (35 µg/L)

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number: 21-1359-01E	Approved: M. Casper
Date: October 27, 2022	DWG: 21-1359-01_FSI4

Figure 13

On-Site Shallow VC Plume Map
August 8-11, 2022



Patriot Engineering & Environmental, Inc.

LEGEND

- Site Boundary
- Permeable Reactive Barrier
- Patriot Monitoring Well Location
- 423 TCE Concentration (µg/L)
- ND Not Detected
- NS Not Sampled

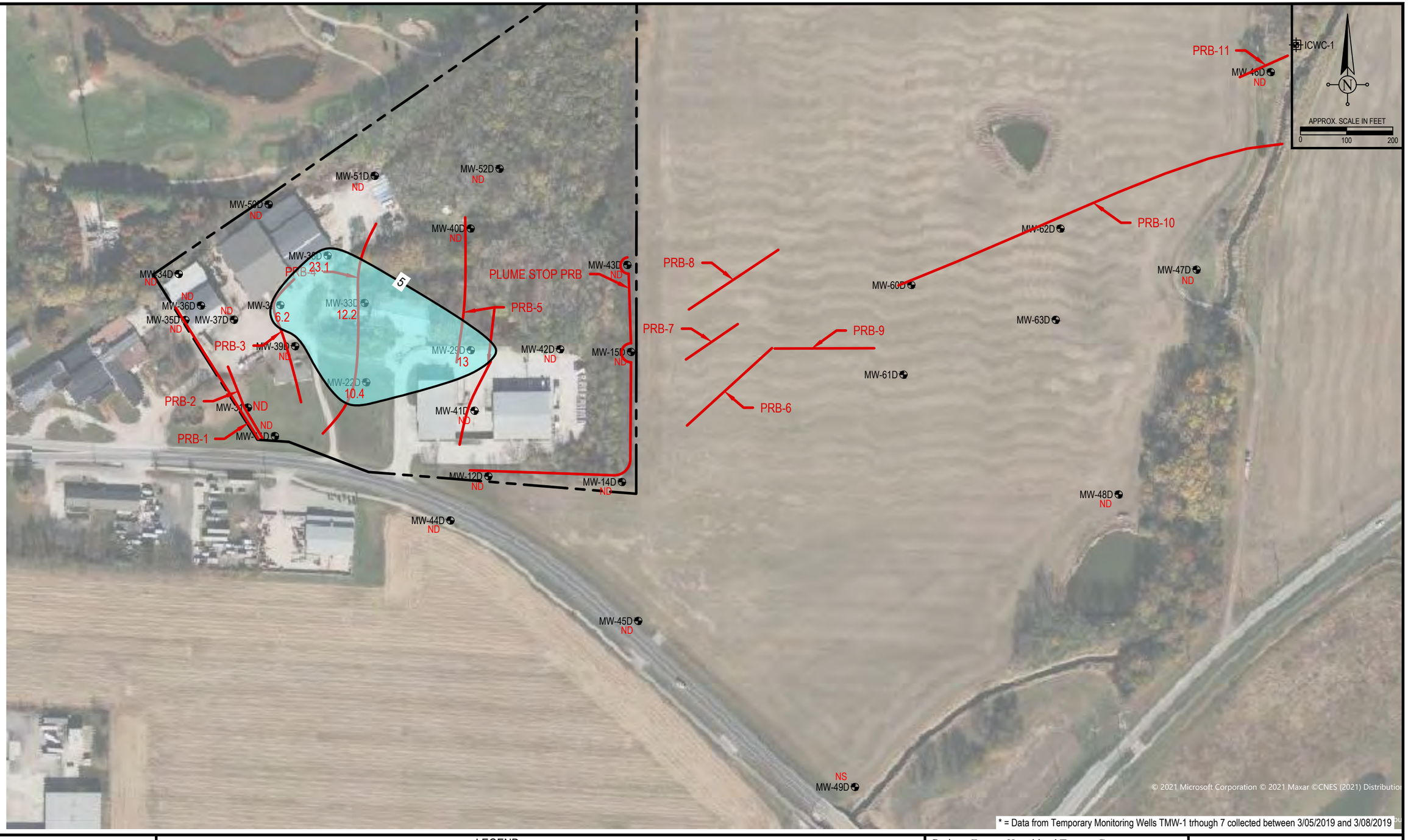
- Area where contaminant exceeds IDEM RCG Residential TWSL for PCE (5 µg/L)
- Area where contaminant exceeds IDEM RCG Residential VESL for PCE (110 µg/L)
- Area where contaminant exceeds IDEM RCG Industrial VESL for PCE (410 µg/L)

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number 21-1359-01E	Approved: J. Cody
Date: January 25, 2022	DWG: 21-1359-01_FSI4

Figure 14

On-Site Inermediate and Deep PCE Plume Map
August 8-11, 2022



* = Data from Temporary Monitoring Wells TMW-1 trhough 7 collected between 3/05/2019 and 3/08/2019

Patriot Engineering & Environmental, Inc.

LEGEND

- Site Boundary
- Permeable Reactive Barrier
- Patriot Monitoring Well Location
- 423 PCE Concentration (µg/L)
- ND Not Detected
- NS Not Sampled

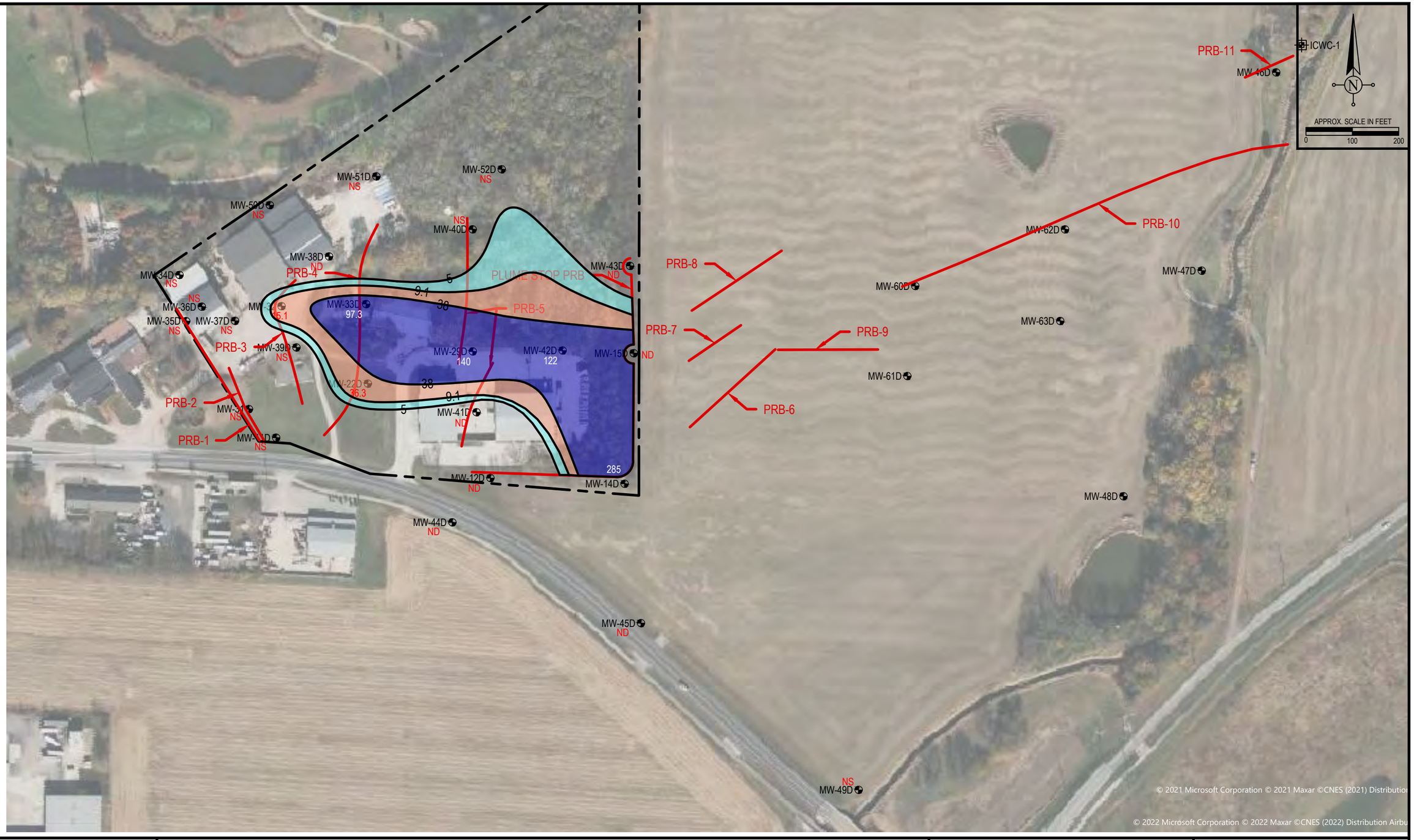
- Area where contaminant exceeds IDEM RCG Residential TWSL for PCE (5 µg/L)
- Area where contaminant exceeds IDEM RCG Residential VESL for PCE (110 µg/L)
- Area where contaminant exceeds IDEM RCG Industrial VESL for PCE (470 µg/L)

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number 21-1359-01E	Approved: M. Casper
Date: September 17, 2021	DWG: 21-1359-01_FSI4

Figure 15

On-Site Deep PCE Plume Map
August 2021*



Patriot Engineering & Environmental, Inc.

LEGEND

- Site Boundary
- Permeable Reactive Barrier
- Patriot Monitoring Well Location
- 423 TCE Concentration (µg/L)
- ND Not Detected
- NS Not Sampled

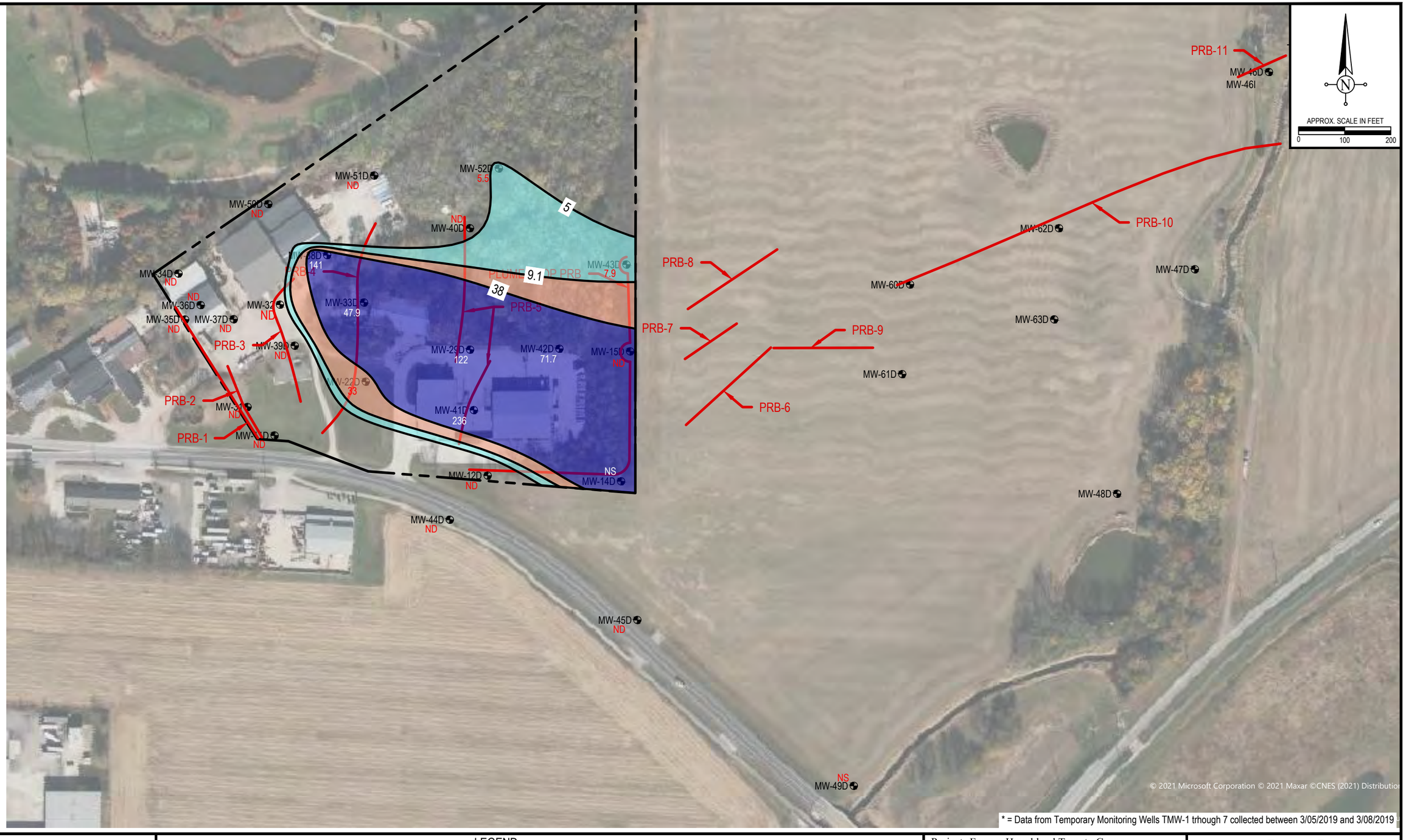
- Area where contaminant exceeds IDEM RCG Residential TWSL for TCE (5 µg/L)
- Area where contaminant exceeds IDEM RCG Residential VESL for TCE (9.1 µg/L)
- Area where contaminant exceeds IDEM RCG Industrial VESL for TCE (38 µg/L)

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number 21-1359-01E	Approved: M. Casper
Date: October 27, 2022	DWG: 21-1359-01_FSI4

Figure 16

On-Site Inermediate and Deep TCE Plume Map
August 8-11, 2022



* = Data from Temporary Monitoring Wells TMW-1 trhough 7 collected between 3/05/2019 and 3/08/2019

Patriot Engineering & Environmental, Inc.

LEGEND

- Site Boundary
- Permeable Reactive Barrier
- Patriot Monitoring Well Location
- 423 TCE Concentration (µg/L)
- ND Not Detected
- NS Not Sampled

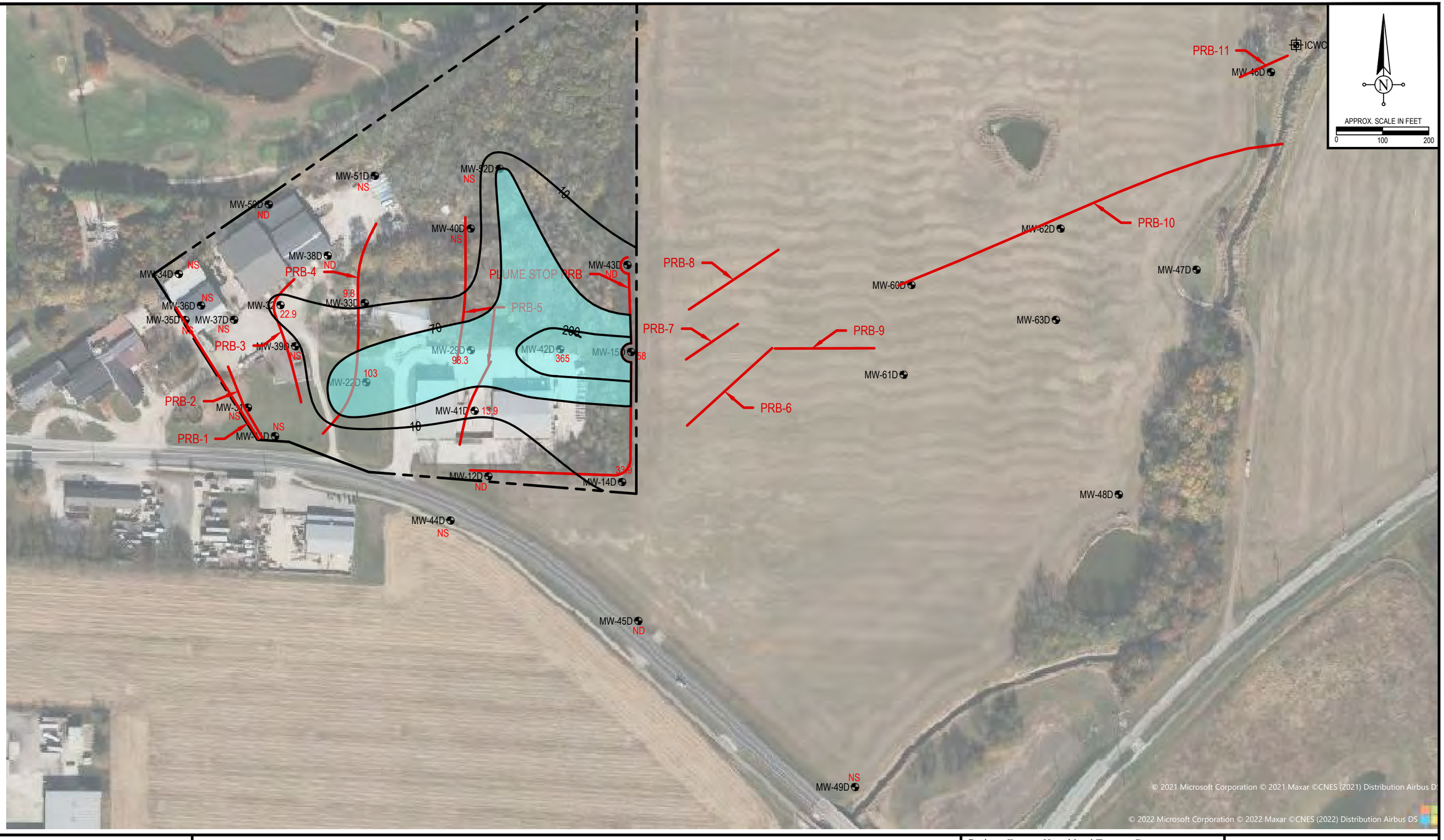
- Area where contaminant exceeds IDEM RCG Residential TWSL for TCE (5 µg/L)
- Area where contaminant exceeds IDEM RCG Residential VESL for TCE (9.1 µg/L)
- Area where contaminant exceeds IDEM RCG Industrial VESL for TCE (38 µg/L)

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number21-1359-01E	Approved: M. Casper
Date: November 23, 2022	DWG: 21-1359-01_FSI4

Figure 17

Inermediate and Deep TCE Plume Map December 2021*



Patriot Engineering & Environmental, Inc.

LEGEND

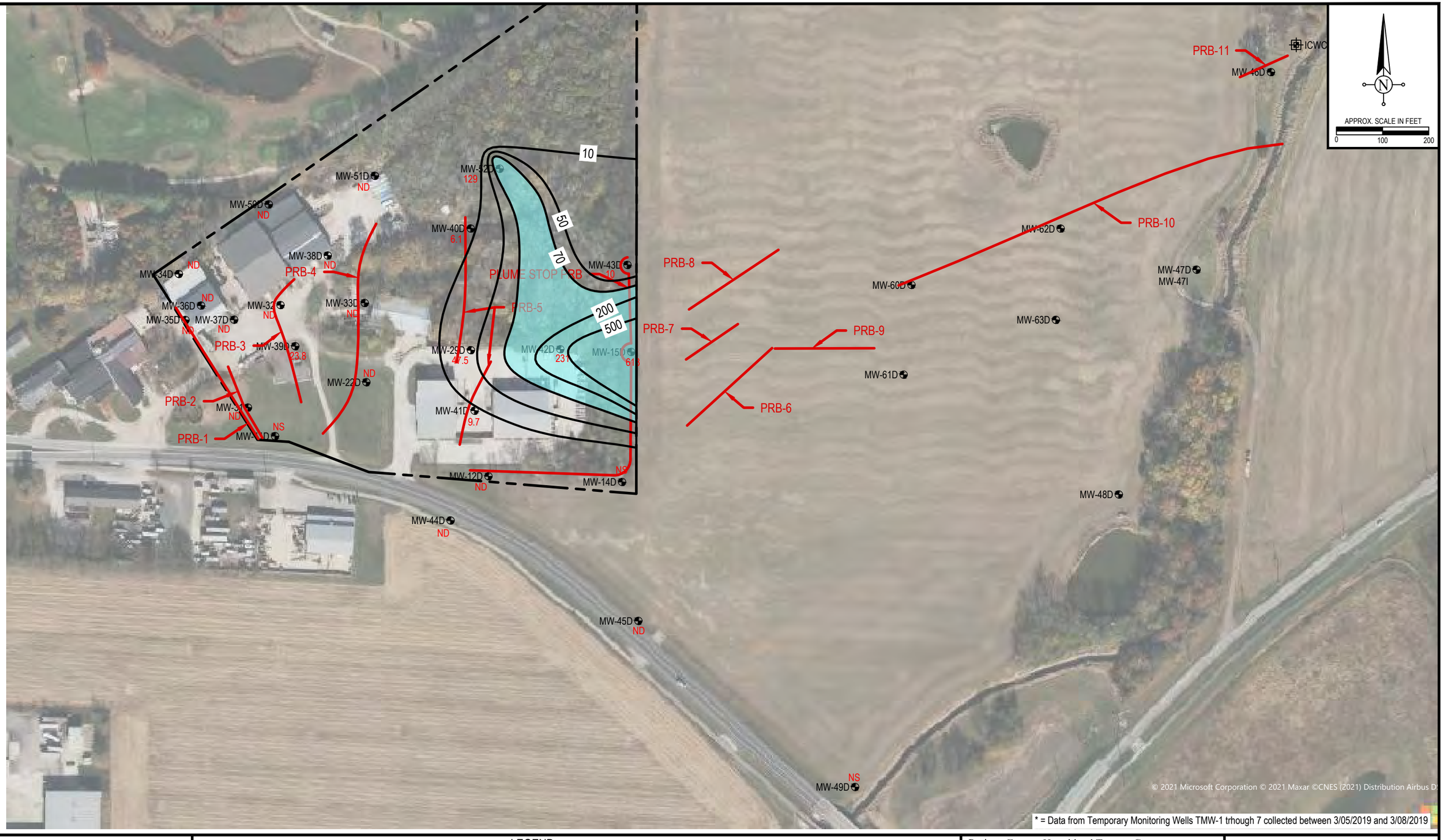
- Site Boundary
- Permeable Reactive Barrier
- Patriot Monitoring Well Location
- 423 cis-1,2-DCE Concentration (µg/L)
- ND Not Detected
- Area where contaminant exceeds IDEM RCG Residential TWSL for cis-1,2-DCE (70 µg/L)

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number21-1359-01E	Approved: M. Casper
Date: December 2, 2022	DWG: 21-1359-01_FSI4

Figure 18

On-Site Intermediate and Deep cis-1,2-DCE Plume Map
August 8-11, 2022



* = Data from Temporary Monitoring Wells TMW-1 trhough 7 collected between 3/05/2019 and 3/08/2019

Patriot Engineering & Environmental, Inc.

LEGEND

- Site Boundary
- Permeable Reactive Barrier
- Patriot Monitoring Well Location
- 423 cis-1,2-DCE Concentration (µg/L)
- ND Not Detected
- Area where contaminant exceeds IDEM RCG Residential TWSL for cis-1,2-DCE (70 µg/L)

Project: Former Houghland Tomato Cannery
1130 E. Eastview Drive
Franklin, Indiana
IDEM Identification No. 2013-34567

	Drawn By: J. DuMond
Project Number21-1359-01E	Approved: J. Cody
Date: November 23, 2022	DWG: 21-1359-01_FSI4

Figure 19

On-Site Intermediate and Deep cis-1,2-DCE Plume Map December 2021*

APPENDIX B

TABLES

TABLE 1
WELL CONSTRUCTION SUMMARY
HRID / Former Houghland Tomato Cannery Property
Franklin, Indiana

WELL	DATE INSTALLED	WELL ELEVATION (ft)*	TOTAL DEPTH (ft)	SCREEN INTERVAL (depth in ft)
MW-10	6/10/2013 (ISI)	738.15	14.4	723.8 - 733.8
MW-11	6/10/2013 (ISI)	731.85	13.7	718.2 - 728.2
MW-11D	6/6/2018 (FSI #2)	731.71	23.0	708.7- 713.7
MW-12	6/10/2013 (ISI)	732.36	15.1	717.3 - 727.3
MW-12D	1/24/2019 (FSI #3)	731.82	28.0	703.8- 708.8
MW-13	6/10/2013 (ISI)	740.45	20.9	719.6 - 729.6
MW-14	9/18/2013 (ISI)	734.15	20.0	714.2 - 724.2
MW-14D	1/24/2019 (FSI #3)	731.45	33.0	698.5- 703.5
MW-15	9/18/2013 (ISI)	735.30	21.0	714.3 - 724.3
MW-15D	6/6/2018 (FSI #2)	734.76	48.0	686.7 - 691.7
MW-16	9/18/2013 (ISI)	735.65	19.9	715.7 - 725.7
MW-17	9/18/2013 (ISI)	745.02	24.1	720.9 - 730.9
MW-18	2/13/2014 (FSI)	737.39	14.4	723.0 - 733.0
MW-19	2/13/2014 (FSI)	733.21	12.4	720.8 - 730.8
MW-20	2/13/2014 (FSI)	729.99	14.7	715.3 - 725.3
MW-21	2/13/2014 (FSI)	729.21	13.6	715.6 - 725.6
MW-22	2/13/2014 (FSI)	736.47	18.9	717.6 - 727.6
MW-22D	6/6/2018 (FSI #2)	736.85	28.0	708.8 - 713.8
MW-23	2/13/2014 (FSI)	739.78	20.0	719.8 - 729.8
MW-24	2/13/2014 (FSI)	740.93	21.8	719.1 - 729.1
MW-25	2/14/2014 (FSI)	741.01	23.6	717.4 - 727.4
MW-26	2/14/2014 (FSI)	739.31	22.9	716.4 - 726.4
MW-27	2/14/2014 (FSI)	740.06	16.9	723.2 - 733.2
MW-28	2/19/2014 (FSI)	739.62	21.3	718.3 - 728.3
MW-29	2/13/2014 (FSI)	732.96	17.6	715.4 - 725.4
MW-29D	6/6/2018 (FSI #2)	733.12	41.0	692.1 - 697.1
MW-30	8/29/2016 (FSI)	734.02	14.5	719.5 - 724.5
MW-31	8/16/2017 (ASI)	733.87	30.0	703.8 - 708.8
MW-32	8/16/2017 (ASI)	739.72	33.0	706.7 - 711.7
MW-33	1/22/2019 (FSI #3)	740.79	18.0	722.8 - 732.8
MW-33D	1/22/2019 (FSI #3)	741.05	33.0	708.1 - 713.1
TMW-1*	1/22/2019 (FSI #3)	731.54	12.0	719.5 - 729.5
TMW-1D*	1/22/2019 (FSI #3)	730.32	58.0	672.3 - 677.3
TMW-2*	1/22/2019 (FSI #3)	730.12	14.0	716.1 - 726.1
TMW-2D*	1/22/2019 (FSI #3)	730.40	60.0	670.4 - 675.4
TMW-3*	1/24/2019 (FSI #3)	731.24	13.0	718.2 - 728.2

WELL	DATE INSTALLED	WELL ELEVATION (ft)*	TOTAL DEPTH (ft)	SCREEN INTERVAL (depth in ft)
TMW-3D*	1/24/2019 (FSI #3)	731.27	52.0	679.3 - 684.3
TMW-4*	1/28/2019 (FSI #3)	730.43	13.0	717.4 - 727.4
TMW-4D*	1/28/2019 (FSI #3)	730.03	61.0	669.1 - 674.1
TMW-5*	1/28/2019 (FSI #3)	729.60	13.0	716.6 - 726.6
TMW-5D*	1/28/2019 (FSI #3)	730.69	57.0	673.7 - 678.7
TMW-6*	1/28/2019 (FSI #3)	731.29	13.0	718.3 - 728.3
TMW-6D*	1/28/2019 (FSI #3)	731.22	42.0	689.2 - 694.2
TMW-7*	1/25/2019 (FSI #3)	730.16	13.0	717.2 - 727.2
TMW-7D*	1/25/2019 (FSI #3)	730.62	62.0	668.6 - 673.6
MW-34	11/5/2020 (FSI #4)	741.09	17.0	714.1 - 724.1
MW-34D	11/5/2020 (FSI #4)	741.49	30.0	706-5 - 711.5
MW-35	11/5/2020 (FSI #4)	740.98	24.0	707.0 - 717.0
MW-35D	11/5/2020 (FSI #4)	740.97	30.0	716.0 - 711.0
MW-36	11/5/2020 (FSI #4)	741.80	28.0	723.8 - 713.8
MW-36D	11/5/2020 (FSI #4)	741.55	36.0	710.5 - 705.5
MW-37	11/5/2020 (FSI #4)	741.96	25.0	727.0 - 717.0
MW-37D	11/5/2020 (FSI #4)	741.95	38.0	716.5 - 711.5
MW-38	11/5/2020 (FSI #4)	738.90	20.0	728.9 - 718.9
MW-38D	11/5/2020 (FSI #4)	739.17	30.0	714.2 - 709.2
MW-39	11/5/2020 (FSI #4)	739.33	25.0	724.3 - 714.3
MW-39D	11/5/2020 (FSI #4)	739.34	38.0	706.4 - 701.4
MW-40	11/5/2020 (FSI #4)	738.75	18.0	730.8 - 720.8
MW-40D	11/5/2020 (FSI #4)	738.52	31.0	712.5 - 707.5
MW-41	11/5/2020 (FSI #4)	734.03	22.0	722.0 - 712.0
MW-41D	11/5/2020 (FSI #4)	734.02	35.0	704.0 - 699.0
MW-42	11/5/2020 (FSI #4)	732.26	18.0	724.0 - 714.0
MW-42D	11/5/2020 (FSI #4)	732.23	52.0	685.2 - 680.2
MW-43	11/5/2020 (FSI #4)	733.36	16.0	727.4 - 717.4
MW-43D	11/5/2020 (FSI #4)	733.17	31.0	707.2 - 702.2
MW-44	11/5/2020 (FSI #4)	728.73	14.0	707.2 - 702.2
MW-44D	11/5/2020 (FSI #4)	728.71	29.0	704.7 - 699.7
MW-45	11/5/2020 (FSI #4)	729.59	15.0	724.6 - 714.6
MW-45D	11/5/2020 (FSI #4)	729.34	31.0	703.4 - 698.4
MW-46	11/5/2020 (FSI #4)	730.43	15.0	725.4 - 715.4
MW-46I	11/5/2020 (FSI #4)	730.74	55.0	680.6 - 675.6
MW-46D	11/5/2020 (FSI #4)	730.65	97.0	638.6 - 633.6
MW-47	11/5/2020 (FSI #4)	728.74	15.0	724.7 - 714.7
MW-47I	11/5/2020 (FSI #4)	729.58	40.0	699.6 - 689.6
MW-47D	11/5/2020 (FSI #4)	728.33	68.0	665.3 - 660.3
MW-48	11/5/2020 (FSI #4)	728.49	15.0	724.5 - 714.5

WELL	DATE INSTALLED	WELL ELEVATION (ft)*	TOTAL DEPTH (ft)	SCREEN INTERVAL (depth in ft)
MW-48D	11/5/2020 (FSI #4)	727.77	56.0	665.3 - 660.3
MW-49	11/5/2020 (FSI #4)	725.01	15.0	722.8 - 712.8
MW-49D	11/5/2020 (FSI #4)	725.11	29.0	701.1 - 696.1
MW-50S	7/29/2021 (FSI 4-S)	737.81	22.0	725.8 - 715.8
MW-50D	7/29/2021 (FSI 4-S)	737.61	25.0	717.6 - 712.6
MW-51	7/29/2021 (FSI 4-S)	737.82	23.0	724.8 - 714.8
MW-52S	7/30/2021 (FSI 4-S)	739.64	24.0	725.6 - 715.6
MW-52D	7/30/2021 (FSI 4-S)	739.46	28.0	716.4 - 711.4
TMW-8S*	10/25/2021 (OSI)	727.04	16.0	721.0 - 711.0
TMW-8D**	10/25/2021 (OSI)	727.59	55.0	677.6 - 672.6
TMW-9S**	10/25/2021 (OSI)	729.40	16.0	723.4 - 713.4
TMW-9I**	10/25/2021 (OSI)	728.34	46.0	687.3 - 682.3
TMW-9D**	10/25/2021 (OSI)	729.50	75.0	659.5 - 654.5
TMW-10S*	10/25/2021 (OSI)	729.90	15.0	724.9 - 714.9
TMW-10I**	10/25/2021 (OSI)	728.96	46.0	688.0 - 683.0
TMW-10D**	10/25/2021 (OSI)	730.00	85.0	650.0 - 645.0
TMW-11D*	10/25/2021 (OSI)	727.69	30.0	702.7 - 697.7
TMW-12I**	11/22/2021 (OSI)	727.72	48.0	684.7 - 679.7
TMW-12D**	10/25/15 (OSI)	727.03	70.0	662.0 - 657.0
TMW-13I**	10/25/15 (OSI)	727.90	58.0	674.9 - 699.9
TMW-13D**	10/25/15 (OSI)	728.18	102.0	631.2 - 625.2
TMW-14D*	10/28/2021 (OSI)	728.73	25.0	708.7 - 703.7
MW-53S	TBI			
MW-53D	TBI			
MW-54S	TBI			
MW-54D	TBI			
MW-55S	TBI			
MW-55D	TBI			
MW-56S	TBI			
MW-56D	TBI			
MW-57S	TBI			
MW-57D	TBI			
MW-58S	TBI			
MW-58D	TBI			
MW-59D	TMW-8D			677.6 - 672.6
MW-60S	TMW-9S			723.4 - 713.4
MW-60I	TMW-9I			687.3 - 682.3
MW-60D	TMW-9D			659.5 - 654.5
MW-61I	TMW-10I			688.0 - 683.0
MW-61D	TMW-10D			650.0 - 645.0

WELL	DATE INSTALLED	WELL ELEVATION (ft)*	TOTAL DEPTH (ft)	SCREEN INTERVAL (depth in ft)
MW-62I	TMW-12I			684.7 - 679.7
MW-62D	TMW-12D			662.0 - 657.0
MW-63I	TMW-13I			674.9 - 699.9
MW-63D	TMW-13D			631.2 - 625.2
MW-64I	TBI			
MW-64D	TBI			

Table Notes:

Top of casing elevations based on USC & GS Datum

* = Well Abandononed

** = Temporary Well Converted to Permanent Montioring Well

TBI = To Be Installed Fall 2022

ISC = Initial Site Characterization
FSI = Further Site Investigation
ASI = Additional Site Investigation
OSI = Off-Site Investigation
Well Elevation = Top of the 2" Diameter Pipe - North Rim

TABLE 2
GROUNDWATER ELEVATION DATA
HRID/Former Houghland Tomato Cannery Property
Franklin, Indiana

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-10	9/24/2013	738.15	8.89	729.26
	3/5/2014		4.95	733.20
	8/31/2016		5.35	732.80
	8/21/2017		6.36	731.79
	6/14/2018		NS	NS
	2/4/2019		5.27	732.88
	3/4/2019		4.09	734.06
	3/25/2019		4.17	733.98
	11/16/2020		7.01	731.14
	3/1/2021		2.38	735.77
	8/12/2021		6.33	731.82
	3/17/2022		4.98	733.17
	6/6/2022		5.98	732.17
	8/8/2022		6.78	731.37
MW-11	9/24/2013	731.85	10.56	721.29
	3/5/2014		7.95	723.90
	8/31/2016		8.45	723.40
	8/21/2017		8.79	723.06
	6/14/2018		8.60	723.25
	2/4/2019		7.57	724.28
	3/4/2019		6.53	725.32
	3/25/2019		6.61	725.24
	11/16/2020		10.54	721.31
	3/1/2021		9.07	722.78
	8/12/2021		8.54	723.31
	3/17/2022		6.48	725.37
	6/6/2022		8.15	723.70
	8/8/2022		9.71	722.14
MW-11D	6/14/2018	731.71	14.85	716.86
	2/4/2019		7.54	724.17
	3/4/2019		6.40	725.31
	3/25/2019		6.48	725.23
	11/16/2020		10.48	721.23
	3/1/2021		9.00	722.71
	8/12/2021		8.43	723.28
	3/15/2022		6.04	725.67
	6/6/2022		8.05	723.66
	8/8/2022		9.43	722.28

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-12	9/24/2013	732.36	12.14	720.22
	3/5/2014		9.68	722.68
	8/31/2016		10.55	721.81
	8/21/2017		10.90	721.46
	6/14/2018		NS	NS
	2/4/2019		9.51	722.85
	3/4/2019		8.78	723.58
	3/25/2019		8.87	723.49
	11/16/2020		11.84	720.52
	3/1/2021		10.12	722.24
	8/12/2021		10.55	721.81
	3/17/2022		NS	NS
	6/6/2022		10.2	722.16
	8/8/2022		11.03	721.33
MW-12D	2/4/2019	731.82	9.17	722.65
	3/4/2019		8.41	723.41
	3/25/2019		8.53	723.29
	11/16/2020		11.41	720.41
	3/1/2021		9.62	722.20
	8/12/2021		10.15	721.67
	3/17/2022		NS	NS
	6/6/2022		9.61	722.21
	8/8/2022		10.61	721.21
MW-13	9/24/2013	740.45	18.69	721.76
	3/5/2014		15.58	731.56
	8/31/2016		15.94	724.51
	8/21/2017		15.58	724.87
	6/14/2018		NS	NS
	2/4/2019		NS	NS
	3/4/2019		NS	NS
	3/25/2019		NS	NS
	11/16/2020		18.71	721.74
	3/1/2021		16.71	723.74
	8/12/2021		16.29	724.16
	3/17/2022		14.03	726.42
	6/6/2022		15.93	724.52
	8/8/2022		17.64	722.81

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-14	9/24/2013	734.15	14.32	719.83
	3/5/2014		11.95	722.20
	8/31/2016		Well Inaccessible	
	8/21/2017		13.31	720.84
	6/14/2018		NS	NS
	2/4/2019		9.15	725.00
	3/4/2019		11.28	722.87
	3/25/2019		11.44	722.71
	11/16/2020		13.95	720.20
	3/1/2021		11.93	722.22
	8/12/2021		12.98	721.17
	3/16/2022		7.97	726.18
	6/6/2022		13.64	720.51
	8/8/2022		13.34	720.81
MW-14D	2/4/2019	731.45	11.95	719.50
	3/4/2019		8.47	722.98
	3/25/2019		8.56	722.89
	11/16/2020		11.14	720.31
	3/1/2021		9.11	722.34
	8/12/2021		10.14	721.31
	3/16/2022		10.79	720.66
	6//6/2022		9.91	721.54
	8/8/2022		10.57	720.88
MW-15	9/24/2013	735.30	15.41	719.89
	3/5/2014		12.98	722.32
	8/31/2016		Well Inaccessible	
	8/21/2017		14.35	720.95
	6/14/2018		13.95	721.35
	2/4/2019		12.94	722.36
	3/4/2019		12.23	723.07
	3/25/2019		12.34	722.96
	11/16/2020		15.08	720.22
	3/1/2021		12.80	722.50
	8/12/2021		13.99	721.31
	3/16/2022		11.20	724.10
	6/6/2022		14.24	721.06
	8/8/2022		14.37	720.93

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-15D	6/14/2018	734.76	13.45	721.31
	2/4/2019		11.45	723.31
	3/4/2019		11.71	723.05
	3/25/2019		11.78	722.98
	11/16/2020		14.52	720.24
	3/1/2021		12.27	722.49
	8/12/2021		13.47	721.29
	3/16/2022		11.96	722.80
	6/6/2022		14.57	720.19
	8/8/2022		13.82	720.94
MW-16	9/24/2013	735.65	7.06	728.59
	3/5/2014		2.88	732.77
	8/31/2016		Well Inaccessible	
	8/21/2017		5.35	730.30
	6/14/2018		NS	NS
	2/4/2019		2.51	733.14
	3/4/2019		2.28	733.37
	3/25/2019		3.09	732.56
	11/16/2020		5.55	730.10
	3/1/2021		0.92	734.73
	8/12/2021		4.43	731.22
	3/16/2022		1.88	733.77
	6/6/2022		3.76	731.89
	8/8/2022		4.15	731.50
MW-17	9/24/2013	745.02	16.22	728.80
	3/5/2014		12.00	733.02
	8/31/2016		Well Inaccessible	
	8/21/2017		NS	NS
	6/14/2018		NS	NS
	2/4/2019		11.67	733.35
	3/4/2019		11.40	733.62
	3/25/2019		11.55	733.47
	11/16/2020		14.72	730.30
	3/1/2021		NS	NS
	8/12/2021		NS	NS
	3/16/2022		10.92	734.10
	8/8/2022		13.18	731.84

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-18	3/5/2014	737.79	10.03	727.76
	8/31/2016		10.32	727.47
	8/21/2017		NS	NS
	6/14/2018		NS	NS
	2/4/2019		9.54	728.25
	3/4/2019		9.22	728.57
	3/25/2019		9.19	728.60
	11/16/2020		NS	NS
	3/1/2021		NS	NS
	8/12/2021		NS	NS
	3/17/2022		NS	NS
	8/8/2022		NS	NS
MW-19	3/5/2014	733.21	7.17	726.04
	8/31/2016		7.55	725.66
	8/21/2017		NS	NS
	6/14/2018		NS	NS
	2/4/2019		7.08	726.13
	3/4/2019		6.30	726.91
	3/25/2019		6.29	726.92
	11/16/2020		NS	NS
	3/1/2021		NS	NS
	8/12/2021		NS	NS
	3/17/2022		NS	NS
	8/8/2022		NS	NS
MW-20	3/5/2014	729.99	5.94	724.05
	8/31/2016		6.38	723.61
	8/21/2017		6.71	723.28
	6/14/2018		NS	NS
	2/4/2019		5.54	724.45
	3/4/2019		4.53	725.46
	3/25/2019		4.48	725.51
	11/16/2020		8.55	721.44
	3/1/2021		7.14	722.85
	8/12/2021		6.49	723.50
	3/17/2022		4.49	725.50
	6/6/2022		6.83	723.16
	8/8/2022		7.64	722.35

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-21	3/5/2014	729.21	6.04	723.17
	8/31/2016		6.64	722.57
	8/21/2017		6.99	722.22
	6/14/2018		NS	NS
	2/4/2019		5.75	723.46
	3/4/2019		4.74	724.47
	3/25/2019		4.73	724.48
	11/16/2020		9.33	719.88
	3/1/2021		6.83	722.38
	8/12/2021		6.70	722.51
	3/17/2022		4.64	724.57
	6/6/2022		6.74	722.47
	8/8/2022		7.75	721.46
MW-22	3/5/2014	736.47	13.04	723.43
	8/31/2016		13.68	722.79
	8/21/2017		14.07	722.40
	6/14/2018		13.90	722.57
	2/4/2019		12.69	723.78
	3/4/2019		11.84	724.63
	3/25/2019		11.82	724.65
	11/16/2020		15.56	720.91
	3/1/2021		14.18	722.29
	8/12/2021		13.76	722.71
	3/15/2022		11.31	725.16
	6/6/2022		13.13	723.34
	8/8/2022		15.50	720.97
MW-22D	6/14/2018	736.85	14.21	722.64
	2/4/2019		13.03	723.82
	3/4/2019		12.12	724.73
	3/25/2019		12.09	724.76
	11/16/2020		15.88	720.97
	3/1/2021		14.49	722.36
	8/12/2021		14.08	722.77
	3/15/2022		11.65	725.20
	6/6/2022		15.46	721.39
	8/8/2022		15.11	721.74

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-23	3/5/2014	739.78	15.40	724.38
	8/31/2016		15.91	723.87
	8/21/2017		16.30	723.48
	6/14/2018		NS	NS
	2/4/2019		Well Innaccesible	
	3/4/2019		13.81	725.97
	3/25/2019		13.75	726.03
	11/16/2020		Well Dry	-
	3/1/2021		16.96	722.82
	8/12/2021		15.85	723.93
	3/15/2022		13.62	726.16
	6/6/2022		15.58	724.20
	8/8/2022		17.31	722.47
MW-24	3/5/2014	740.93	16.31	724.62
	8/31/2016		16.71	724.22
	8/21/2017		17.16	723.77
	6/14/2018		NS	NS
	2/4/2019		15.87	725.06
	3/4/2019		14.81	726.12
	3/25/2019		14.80	726.13
	11/16/2020		19.32	721.61
	3/1/2021		17.33	723.60
	8/12/2021		16.97	723.96
	3/17/2022		14.78	726.15
	6/6/2022		17.20	723.73
	8/8/2022		18.31	722.62
MW-25	3/5/2014	741.01	16.50	724.51
	8/31/2016		Well Inaccessible	
	8/21/2017		Well Inaccessible	
	6/14/2018		Well Inaccessible	
	2/4/2019		Well Innaccesible	
	3/4/2019		Well Innaccesible	
	3/25/2019		Well Innaccesible	
	11/16/2020		19.44	721.57
	3/1/2021		17.90	723.11
	8/12/2021		17.11	723.90
	3/17/2022		NS	NS
	6/6/2022		16.70	724.31
	8/8/2022		18.46	722.55

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-26	3/5/2014	739.31	15.25	724.06
	8/31/2016		15.80	723.51
	8/21/2017		16.19	723.12
	6/14/2018		16.11	723.20
	2/4/2019		14.86	724.45
	3/4/2019		13.92	725.39
	3/25/2019		13.86	725.45
	11/16/2020		18.05	721.26
	3/1/2021		16.60	722.71
	8/12/2021		15.96	723.35
	3/17/2022		NS	NS
	6/6/2022		15.56	723.75
	8/8/2026		17.22	722.09
MW-27	3/5/2014	740.06	8.11	731.95
	8/31/2016		8.19	731.87
	8/21/2017		8.81	731.25
	6/14/2018		NS	NS
	2/4/2019		8.25	731.81
	3/4/2019		7.88	732.18
	3/25/2019		7.88	732.18
	11/16/2020		9.80	730.26
	3/1/2021		7.58	732.48
	8/12/2021		6.76	733.30
	3/17/2022		8.02	732.04
	6/6/2022		8.82	731.24
	8/8/2022		9.18	730.88
MW-28	3/5/2014	739.62	6.72	732.90
	8/31/2016		Well Inaccessible	
	8/21/2017		9.40	730.22
	6/14/2018		NS	NS
	2/4/2019		6.43	733.19
	3/4/2019		6.15	733.47
	3/25/2019		6.11	733.51
	11/16/2020		9.71	729.91
	3/1/2021		5.09	734.53
	8/12/2021		8.77	730.85
	3/16/2022		5.72	733.90
	6/6/2022		9.50	730.12
	8/8/2022		9.35	730.27

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-29	3/5/2014	732.96	10.17	722.79
	8/31/2016		11.04	721.92
	8/21/2017		11.43	721.53
	6/14/2018		11.16	721.80
	2/4/2019		10.00	722.96
	3/4/2019		9.21	723.75
	3/25/2019		9.23	723.73
	11/16/2020		Well Dry	-
	3/1/2021		10.70	722.26
	8/12/2021		11.10	721.86
	3/17/2022		NS	NS
	6/6/2022		11.73	721.23
	8/8/2022		11.75	721.21
MW-29D	6/14/2018	733.12	11.28	721.84
	2/4/2019		10.11	723.01
	3/4/2019		9.35	723.77
	3/25/2019		9.28	723.84
	11/16/2020		12.59	720.53
	3/1/2021		10.80	722.32
	8/12/2021		11.21	721.91
	3/17/2022		NS	NS
	6/6/2022		11.91	721.21
	8/8/2025		11.93	721.19
MW-30	8/31/2016	734.02	10.17	723.85
	8/21/2017		10.64	723.38
	6/14/2018		10.52	723.50
	2/4/2019		9.43	724.59
	3/4/2019		10.35	723.67
	3/25/2019		8.30	725.72
	11/16/2020		12.54	721.48
	3/1/2021		11.13	722.89
	8/12/2021		10.43	723.59
	3/15/2022		8.11	725.91
	6/6/2022		10.01	724.01

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-31 (Deep Well with MW-30)	8/21/2017	733.87	11.69	722.18
	6/14/2018		10.53	723.34
	2/4/2019		9.25	724.62
	3/4/2019		8.37	725.50
	3/25/2019		8.29	725.58
	11/16/2020		11.81	722.06
	3/1/2021		10.56	723.31
	8/12/2021		10.56	723.31
	3/17/2022		8.39	725.48
	6/6/2022		8.84	725.03
	8/8/2022		10.32	723.55
MW-32 (Deep Well with MW-26)	8/21/2017	739.72	16.64	723.08
	6/14/2018		16.56	723.16
	2/4/2019		15.30	724.42
	3/4/2019		13.33	726.39
	3/25/2019		13.31	726.41
	11/16/2020		18.46	721.26
	3/1/2021		17.03	722.69
	8/12/2021		16.37	723.35
	3/17/2022		NS	NS
	6/6/2022		16.00	723.72
	8/8/2026		17.62	722.10
MW-33	2/4/2019	740.79	15.50	725.29
	3/4/2019		15.49	725.30
	3/25/2019		15.38	725.41
	11/16/2020		19.59	721.20
	3/1/2021		18.18	722.61
	8/12/2021		17.58	723.21
	3/17/2022		NS	NS
	6/6/2022		17.24	723.55
	8/8/2022		18.81	721.98
MW-33D	2/4/2019	741.05	16.81	724.24
	3/4/2019		15.87	725.18
	3/25/2019		15.83	725.22
	11/16/2020		19.89	721.16
	3/1/2021		18.48	722.57
	8/12/2021		17.91	723.14
	3/17/2022		NS	NS
	6/6/2022		17.55	723.50
	8/8/2022		19.07	721.98

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-34	11/16/2020	741.09	18.99	722.10
	3/1/2021		16.99	724.10
	8/12/2021		16.55	724.54
	3/17/2022		14.26	726.83
	6/6/2022		16.23	724.86
	8/8/2022		18.02	723.07
MW-34D	11/16/2020	741.49	19.45	722.04
	3/1/2021		17.62	723.87
	8/12/2021		16.96	724.53
	3/17/2022		14.75	726.74
	6/6/2022		19.58	721.91
	8/8/2022		18.34	723.15
MW-35	11/16/2020	740.98	19.10	721.88
	3/1/2021		17.57	723.41
	8/12/2021		16.70	724.28
	3/17/2022		NS	NS
	6/6/2022		17.49	723.49
	8/8/2022		18.06	722.92
MW-35D	11/16/2020	740.97	19.10	721.87
	3/1/2021		17.61	723.36
	8/12/2021		16.67	724.30
	3/17/2022		NS	NS
	6/6/2022		17.92	723.05
	8/8/2022		18.10	722.87
MW-36	11/16/2020	741.80	21.23	720.57
	3/1/2021		18.51	723.29
	8/12/2021		17.65	724.15
	3/17/2022		15.44	726.36
	6/6/2022		7.71	734.09
	8/8/2022		19.02	722.78
MW-36D	11/16/2020	741.55	21.03	720.52
	3/1/2021		18.28	723.27
	8/12/2021		17.42	724.13
	3/17/2022		NS	NS
	6/6/2022		11.20	730.35
	8/8/2022		18.81	722.74
MW-37	11/16/2020	741.96	20.27	721.69
	3/1/2021		18.85	723.11
	8/12/2021		17.99	723.97
	3/17/2022		NS	NS
	6/6/2022		17.58	724.38
	8/8/2022		19.30	722.66

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-37D	11/16/2020	741.95	20.28	721.67
	3/1/2021		18.81	723.14
	8/12/2021		18.02	723.93
	3/17/2022		NS	NS
	6/6/2022		17.61	724.34
	8/8/2022		19.33	722.62
MW-38	11/16/2020	738.90	17.63	721.27
	3/1/2021		16.23	722.67
	8/12/2021		16.62	722.28
	3/17/2022		13.40	725.50
	6/6/2022		15.81	723.09
	8/8/2022		16.85	722.05
MW-38D	11/16/2020	739.17	17.91	721.26
	3/1/2021		16.49	722.68
	8/12/2021		15.92	723.25
	3/17/2022		13.69	725.48
	6/6/2022		15.63	723.54
	8/8/2022		17.12	722.05
MW-39	11/16/2020	739.33	17.95	721.38
	3/1/2021		16.59	722.74
	8/12/2021		15.87	723.46
	3/17/2022		NS	NS
	6/6/2022		15.49	723.84
	8/8/2022		17.13	722.20
MW-39D	11/16/2020	739.34	17.96	721.38
	3/1/2021		16.58	722.76
	8/12/2021		15.91	723.43
	3/17/2022		NS	NS
	6/6/2022		15.52	723.82
	8/8/2022		17.18	722.16
MW-40	11/16/2020	738.75	9.11	729.64
	3/1/2021		4.01	734.74
	8/12/2021		7.67	731.08
	3/17/2022		NS	NS
	6/6/2022		7.62	731.13
	8/8/2022		8.82	729.93
MW-40D	11/16/2020	738.52	20.45	718.07
	3/1/2021		13.19	725.33
	8/12/2021		13.26	725.26
	3/17/2022		NS	NS
	6/6/2022		13.26	725.26
	8/8/2022		15.09	723.43

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-41	11/16/2020	734.03	13.57	720.46
	3/1/2021		11.88	722.15
	8/12/2021		12.24	721.79
	3/17/2022		NS	NS
	6/6/2022		11.98	722.05
	8/8/2022		12.78	721.25
MW-41D	11/16/2020	734.02	13.56	720.46
	3/1/2021		11.86	722.16
	8/12/2021		12.23	721.79
	3/17/2022		10.41	723.61
	6/6/2022		11.95	722.07
	8/8/2022		12.76	721.26
MW-42	11/16/2020	732.26	11.95	720.31
	3/1/2021		9.87	722.39
	8/12/2021		10.79	721.47
	3/15/2022		8.74	723.52
	6/6/2022		11.90	720.36
	8/8/2022		11.29	720.97
MW-42D	11/16/2020	732.23	12.03	720.20
	3/1/2021		9.81	722.42
	8/12/2021		10.90	721.33
	3/15/2022		8.44	723.79
	6/6/2022		11.99	720.24
	8/8/2022		11.26	720.97
MW-43	11/16/2020	733.36	12.99	720.37
	3/1/2021		10.34	723.02
	8/12/2021		11.95	721.41
	3/16/2022		9.58	723.78
	6/6/2022		11.81	721.55
	8/8/2022		12.33	721.03
MW-43D	11/16/2020	733.17	12.81	720.36
	3/1/2021		10.27	722.90
	8/12/2021		11.76	721.41
	3/16/2022		9.44	723.73
	6/6/2022		11.77	721.40
	8/8/2022		12.11	721.06
MW-44	11/16/2020	728.73	8.37	720.36
	3/1/2021		6.55	722.18
	8/12/2021		7.19	721.54
	3/17/2022		5.41	723.32
	6/6/2022		7.19	721.54
	8/8/2022		7.95	720.78

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-44D	11/16/2020	728.71	8.35	720.36
	3/1/2021		6.54	722.17
	8/12/2021		7.19	721.52
	3/17/2022		5.39	723.32
	6/6/2022		7.08	721.63
	8/8/2022		7.97	720.74
MW-45	11/16/2020	729.59	9.41	720.18
	3/1/2021		7.42	722.17
	8/12/2021		8.50	721.09
	3/17/2022		6.85	722.74
	6/6/2022		8.10	721.49
	8/8/2022		9.06	720.53
MW-45D	11/16/2020	729.34	9.17	720.17
	3/1/2021		7.20	722.14
	8/12/2021		8.25	721.09
	3/17/2022		6.60	722.74
	6/6/2022		7.87	721.47
	8/8/2022		8.85	720.49
MW-46	11/16/2020	730.43	9.74	720.69
	3/1/2021		6.89	723.54
	8/12/2021		9.77	720.66
	3/17/2022		NS	NS
	6/6/2022		9.56	720.87
	8/8/2022		9.07	721.36
MW-46I	11/16/2020	730.74	10.01	720.73
	3/1/2021		7.17	723.57
	8/12/2021		9.85	720.89
	3/17/2022		NS	NS
	6/6/2022		9.48	721.26
	8/8/2022		9.34	721.40
MW-46D	11/16/2020	730.65	9.91	720.74
	3/1/2021		7.05	723.60
	8/12/2021		9.96	720.69
	3/17/2022		NS	NS
	6/6/2022		9.79	720.86
	8/8/2022		9.25	721.40
MW-47	11/16/2020	728.74	8.34	720.40
	3/1/2021		4.16	724.58
	8/12/2021		7.37	721.37
	3/17/2022		NS	NS
	6/6/2022		7.79	720.95
	8/8/2022		7.63	721.11

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-47I	11/16/2020	729.58	8.12	721.46
	3/1/2021		5.31	724.27
	8/12/2021		8.01	721.57
	3/17/2022		NS	NS
	6/6/2022		7.89	721.69
	8/8/2022		7.45	722.13
MW-47D	11/16/2020	728.33	7.81	720.52
	3/1/2021		5.01	723.32
	8/12/2021		7.72	720.61
	3/17/2022		NS	NS
	6/6/2022		7.98	720.35
	8/8/2022		7.10	721.23
MW-48	11/16/2020	728.49	8.76	719.73
	3/1/2021		6.11	722.38
	8/12/2021		8.60	719.89
	3/17/2022		7.75	720.74
	6/6/2022		9.95	718.54
	8/8/2022		7.11	721.38
MW-48D	11/16/2020	727.77	8.04	719.73
	3/1/2021		5.27	722.50
	8/12/2021		9.92	717.85
	3/17/2022		6.12	721.65
	6/6/2022		7.53	720.24
	8/8/2022		8.08	719.69
MW-49	11/16/2020	725.01	5.97	719.04
	3/1/2021		3.62	721.39
	8/12/2021		6.01	719.00
	3/17/2022		NS	NS
	6/6/2022		5.53	719.48
	8/8/2022		5.88	719.13
MW-49D	11/16/2020	725.11	5.78	719.33
	3/1/2021		4.38	720.73
	8/12/2021		5.49	719.62
	3/17/2022		NS	NS
	6/6/2022		4.59	720.52
	8/8/2022		5.57	719.54
MW-50	8/12/2021	737.81	4.41	733.40
	3/17/2022		1.04	736.77
	6/6/2022		2.13	735.68
	8/8/2022		3.47	734.34
MW-50D	8/12/2021	737.61	2.16	735.45
	3/17/2022		1.06	736.55
	6/6/2022		1.69	735.92
	8/8/2022		3.14	734.47

Well Identification	Date	Well Elevation (feet)	Depth to Groundwater	Groundwater Elevation
MW-51	8/12/2021	737.82	6.55	731.27
	3/17/2022		3.71	734.11
	6/6/2022		5.91	731.91
	8/8/2022		7.55	730.27
MW-52	8/12/2021	739.64	8.56	731.08
	3/17/2022		NS	NS
	6/6/2022		7.90	731.74
	8/8/2022		9.33	730.31
MW-52D	8/12/2021	739.46	8.42	731.04
	3/17/2022		NS	NS
	6/6/2022		7.44	732.02
	8/8/2022		9.28	730.18
TMW-8S	11/5/2021	727.04	4.60	722.44
	12/1/2021		4.74	-4.74
	3/17/2022		NS	NS
	6/2022		Well Abandoned	

Well Elevation = Top of the 2" Diameter Pipe NS=Not Sampled

TABLE 3
PRE AND POST INJECTION FIELD PARAMETERS
HRID / Former Houghland Tomato Cannery Property
Franklin, Indiana

Sample Identification	Date Collected	pH	Oxidation-Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-11	11/17/2020	7.08	71	0.37
	Remedial Injections - Fall 2021			
	3/14/2022	NS	NS	NS
	6/6/2022	7.55	-135.1	0.04
	8/9/2022	7.28	-113.2	0.09
MW-12	08/18/2021	7.52	148	2.93
	Remedial Injections - Fall 2021			
	03/14/2022	7.02	203	3.53
	6/8/2022	7.24	66.4	2.24
	8/10/2022	7.00	183.3	1.92
MW-12D	08/17/2021	7.52	-29	0.00
	Remedial Injections - Fall 2021			
	03/14/2022	8.29	374	0.00
	6/8/2022	8.71	-386.6	0.01
	8/10/2022	8.27	-249.4	0.01
MW-14	11/18/2020	7.28	-55	0.00
	Remedial Injections - Fall 2021			
	03/16/2022	7.29	-40.00	0.03
	6/8/2022	7.86	-145.7	0.03
	8/11/2022	7.67	-68.5	0.07
MW-14D	11/18/2020	6.96	21	0.00
	Remedial Injections - Fall 2021			
	03/16/2022	6.7	6.3	0.00
	6/8/2022	7.27	-86.4	0.02
	8/11/2022	7.21	-21.5	0.04
MW-15	08/13/2021	7.41	274	0.54
	Remedial Injections - Fall 2021			
	03/16/2022	6.95	77	3.11
	6/9/2022	7.27	-4.4	0.06
	8/11/2022	7.21	44.6	0.03
MW-15D	08/13/2021	7.73	-85	0.12
	Remedial Injections - Fall 2021			
	03/16/2022	6.85	-56	0.00
	6/9/2022	7.31	-94	0.02
	8/11/2022	7.18	-1.7	0.08
MW-22	08/13/2021	6.94	152	1.97
	Remedial Injections - Fall 2021			
	03/15/2022	6.78	22	1.75
	6/8/2022	7.19	-39.4	0.03
	8/9/2022	6.68	-17.2	0.01
MW-22D	08/13/2021	7.03	113	2.17
	Remedial Injections - Fall 2021			
	03/15/2022	7.01	-17	0.00
	6/8/2022	7.36	47.7	0.05
	8/9/2022	6.85	46.7	0.03
MW-23	3/11/2019	6.98	106	1.66
	Remedial Injections - Fall 2021			
	03/15/2022	6.81	-137	0.01
	6/6/2022	6.59	-45.7	0.05
	8/9/2022	6.6	-80.7	0.57
MW-24	08/18/2021	7.44	186	3.45
	Remedial Injections - Fall 2021			
	03/17/2022	6.96	75	2.68
	6/7/2022	7.28	162.1	0.2
	8/8/2022	7.12	102.2	0.21

Sample Identification	Date Collected	pH	Oxidation-Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-26	08/12/2021	6.75	182	2.72
	Remedial Injections - Fall 2021			
	03/16/2022	7.31	-130	0.01
	6/6/2022	7.45	-109.4	0.13
	8/8/2022	7.22	-80.9	0.01
MW-32 (Deep Well paired with MW-26)	08/12/2021	7.07	144	1.21
	Remedial Injections - Fall 2021			
	03/16/2022	7.14	19	0.1
	6/6/2022	7.25	37.3	0.08
	8/8/2022	7.19	168.8	0.08
MW-29	3/27/2019	7.04	99	4.41
	Remedial Injections - Fall 2021			
	03/14/2022	7.13	-178	0.00
	6/8/2022	7.22	-86	0.19
	8/10/2022	7.04	-70.2	0.00
MW-29D	08/16/2021	7.15	-84	0.21
	Remedial Injections - Fall 2021			
	03/14/2022	7.13	-87	0.00
	6/8/2022	7.29	-28.0	0.03
	8/10/2022	7.15	4.5	0.02
MW-30	08/16/2021	7.33	-10	0.39
	Remedial Injections - Fall 2021			
	03/15/2022	7.09	-127	0.04
	6/6/2022	7.39	-111.4	0.1
	8/9/2022	7.25	-122.5	0.12
MW-33	08/13/2021	7.14	145	0.71
	Remedial Injections - Fall 2021			
	03/16/2022	7.18	10	0.00
	6/7/2022	7.31	153.6	0.06
	8/9/2022	7.00	62	0.03
MW-33D	08/13/2021	7.19	70	0.74
	Remedial Injections - Fall 2021			
	03/16/2022	7.17	(-32)	0.15
	6/7/2022	7.38	41.6	0.03
	8/9/2022	6.99	69.9	0.00
MW-36	08/18/2021	7.58	189	3.43
	Remedial Injections - Fall 2021			
	03/17/2022	6.93	65	7.31
	6/9/2022	7.38	375	4.91
	8/8/2022	7.08	187.9	1.20
MW-37	08/16/2021	7.05	151	3.05
	Remedial Injections - Fall 2021			
	03/16/2022	7.14	10	0.03
	6/6/2022	7.32	14.3	0.23
	8/8/2022	7.12	122.7	0.11
MW-39	08/13/2021	6.82	139	3.26
	Remedial Injections - Fall 2021			
	03/16/2022	6.9	132	1.15
	6/6/2022	7.09	86.2	1.25
	8/8/2022	7.12	-44.6	0.05
MW-40	08/16/2021	7.29	16	0.14
	Remedial Injections - Fall 2021			
	03/16/2022	6.76	84	0.00
	6/7/2022	7.79	-104.1	0.07
	8/10/2022	6.83	78.9	0.39
MW-41	08/13/2021	6.98	115	1.09
	Remedial Injections - Fall 2021			
	03/14/2022	7.18	-110	0.09
	6/8/2022	7.32	-87.9	0.03
	8/10/2022	7.04	13.2	0.04

Sample Identification	Date Collected	pH	Oxidation-Reduction Potential (mV)	Dissolved Oxygen (mg/L)
MW-41D	08/13/2021	7.05	-40	0.23
	Remedial Injections - Fall 2021			
	03/17/2022	6.98	-78	0.00
	6/8/2022	7.5	-136	0.04
	8/10/2022	7.24	-80.6	0.06
MW-42	08/16/2021	7.07	124	1.1
	Remedial Injections - Fall 2021			
	03/15/2022	7.05	70	5.15
	6/9/2022	7.29	342.7	2.07
	8/10/2022	7.74	78.4	8.87
MW-42D	08/16/2021	7.15	-39	0.58
	Remedial Injections - Fall 2021			
	03/15/2022	7.04	-38	0.06
	6/9/2022	7.35	-49.4	0.03
	8/10/2022	7.18	10.8	0.00
MW-43	08/12/2021	6.6	147	2.62
	Remedial Injections - Fall 2021			
	03/16/2022	6.61	106	0.38
	6/9/2022	6.62	87.5	0.04
	8/11/2022	6.75	74.4	0.02
MW-43D	08/12/2021	7.06	-25	0.11
	Remedial Injections - Fall 2021			
	03/16/2022	6.9	8	0.00
	6/9/2022	7.05	-46.1	0.02
	8/11/2022	7.15	2.9	0.00
MW-46I	08/17/2021	7.76	-62	0.49
	Remedial Injections - Fall 2021			
	3/15/2022	NS	NS	NS
	6/8/2022	7.38	-110.3	0.04
	8/11/2022	7.27	-59.8	0.04

Notes

ORP <0.0 mV or DO <1.0 mg/L

NS = Not Sampled

TABLE 4
3Q2022 GROUNDWATER ANALYTICAL RESULTS AND POST-INJECTION TRENDS
HRID / Former Houghland Tomato Cannery Property
Franklin, Indiana

		PCE	TCE	cDCE	tDCE	VC	Other VOCs
IDEM RCG Residential TWSL's		**5**	**5**	**70**	**100**	**2**	**Varies**
IDEM RCG Residential VESL's		**110**	**9.1**	**NE**	**NE**	**2.1**	**Varies**
IDEM RCG Industrial VESL's		**470**	**38**	**NE**	**NE**	**35**	**Varies**
Sample Identification	**Date Collected**	**Analytical Results in micrograms per liter (ug/L)**					
MW-11	3/29/2019	**45.3**	**31.5**	<5.0	<5.0	<2.0	BRL
	11/17/2020	**110**	**37.5**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	3/14/2022	NS	NS	NS	NS	NS	BRL
	6/6/2022	**40.6**	**14.8**	**298**	<5.0	<2.0	BRL
	08/09/2022	**9.0**	**6.4**	**280**	<5.0	<2.0	
	CHANGE	↓	↓	↑	NA	NA	
MW-12	11/17/2020	<5.0	**55.3**	<5.0	<5.0	<2.0	BRL
	08/18/2021	<5.0	**39.2**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/14/2022	<5.0	**24.5**	<5.0	<5.0	<2.0	BRL
	6/8/2022	<5.0	**48.7**	<5.0	<5.0	<2.0	BRL
	08/10/2022	<5.0	**52.6**	<5.0	<5.0	<2.0	
	CHANGE	NA		NA	NA	NA	
MW-12D	11/17/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/17/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/14/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	6/8/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/10/2022	<5.0	<5.0	<5.0	<5.0	<2.0	
	CHANGE	NA	NA	NA	NA	NA	
MW-14	3/6/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/18/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	6/8/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	8/11/2022	<5.0	<5.0	<5.0	<5.0	<2.0	
	CHANGE	NA	NA	NA	NA	NA	
MW-14D	4/1/2019	<5.0	**524**	**11.0**	<5.0	<2.0	BRL
	11/18/2020	<5.0	**439**	**23.5**	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	**234**	**25.2**	<5.0	<2.0	BRL
	6/8/2022	<5.0	**281**	**27.6**	<5.0	<2.0	BRL
	8/11/2022	<5.0	**285**	**33.9**	<5.0	<2.0	BRL
	CHANGE	NA	↓	↑	NA	NA	
MW-15	11/18/2020	<5.0	**32.6**	<5.0	<5.0	<2.0	BRL
	08/13/2021	<5.0	**35.1**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	**13.5**	<5.0	<5.0	<2.0	BRL
	6/9/2022	<5.0	**36.8**	<5.0	<5.0	<2.0	BRL
	8/11/2022	<5.0	**44.2**	<5.0	<5.0	<2.0	BRL
	CHANGE	NA	↑	NA	NA	NA	
MW-15D	11/18/2020	<5.0	<5.0	**588**	**54.2**	<2.0	BRL
	08/13/2021	<5.0	<5.0	**618**	**42.5**	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	<5.0	**82.6**	<5.0	<2.0	BRL
	6/9/2022	<5.0	<5.0	**60.1**	<5.0	<2.0	BRL
	8/11/2022	<5.0	<5.0	**58**	<5.0	<2.0	BRL
	CHANGE	NA	NA	↓	↓	NA	

TABLE 4
3Q2022 GROUNDWATER ANALYTICAL RESULTS AND POST-INJECTION TRENDS
HRID / Former Houghland Tomato Cannery Property
Franklin, Indiana

		PCE	TCE	cDCE	tDCE	VC	Other VOCs
IDEM RCG Residential TWSL's		**5**	**5**	**70**	**100**	**2**	**Varies**
IDEM RCG Residential VESL's		**110**	**9.1**	**NE**	**NE**	**2.1**	**Varies**
IDEM RCG Industrial VESL's		**470**	**38**	**NE**	**NE**	**35**	**Varies**
Sample Identification	**Date Collected**	**Analytical Results in micrograms per liter (ug/L)**					
MW-22	11/17/2020	**11.8**	**68.7**	<5.0	<5.0	<2.0	BRL
	08/13/2021	**11.1**	**66.7**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/15/2022	<5.0	<5.0	**6.5**	<5.0	<2.0	BRL
	6/8/2022	**5.8**	**38.1**	**131**	<5.0	**6.7**	BRL
	8/9/2022	<5.0	<5.0	**168**	<5.0	**36.1**	BRL
	CHANGE	↓	↓	↑	NA	↑	
MW-22D	11/17/2020	**10.5**	**32.8**	<5.0	<5.0	<2.0	BRL
	08/13/2021	**10.4**	**33**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/15/2022	**11.5**	**37.8**	**10.6**	<5.0	<2.0	BRL
	6/8/2022	**13.6**	**41.4**	**61.9**	<5.0	**2.9**	BRL
	8/9/2022	**10.9**	**36.3**	**103**	<5.0	**14.3**	BRL
	CHANGE			↑	NA	↑	
MW-23	8/21/2017	**115**	**234**	<5.0	<5.0	<2.0	BRL
	3/11/2019	**15.7**	**21.9**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/15/2022	<5.0	<5.0	**731**	<5.0	**29.8**	BRL
	6/6/2022	<5.0	<5.0	**65.7**	<5.0	**3.0**	BRL
	8/9/2022	<5.0	<5.0	**192**	<5.0	**14.3**	BRL
	CHANGE	↓	↓	↑	NA	↑	
MW-24	11/16/2020	**64.9**	**35.9**	<5.0	<5.0	<2.0	BRL
	08/18/2021	**94**	**79**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/17/2022	**52.3**	**41.2**	**59.1**	<5.0	<2.0	BRL
	6/7/2022	**95.0**	**51.1**	**110**	<5.0	<2.0	BRL
	8/8/2022	**86.1**	**25.1**	**193**	<5.0	<2.0	BRL
	CHANGE		↓	↑	NA	NA	
MW-26	11/17/2020	**27.9**	**47.6**	<5.0	<5.0	<2.0	BRL
	08/12/2021	**23.5**	**50.5**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	**8.1**	**11.1**	<5.0	**80.2**	BRL
	6/6/2022	**7.4**	**11.2**	<5.0	<5.0	**36.9**	BRL
	08/08/2022	**6.6**	**9.4**	<5.0	<5.0	**17.9**	
	CHANGE	↓	↓	NA	NA	↑	
MW 32 (Deep Well paired with MW-26)	3/11/2019	**16.1**	**37.9**	<5.0	<5.0	<2.0	BRL
	03/28/2019	**15.8**	**29.5**	<5.0	<5.0	<5.0	BRL
	11/16/2020	**7.6**	**7.8**	**8.2**	<5.0	<2.0	BRL
	08/12/2021	**6.2**	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	**12.5**	**22.3**	**29.8**	<5.0	<2.0	BRL
	6/6/2022	**15.0**	**26.4**	**33.8**	<5.0	<2.0	BRL
	8/8/2022	**8.3**	**15.1**	**22.9**	<5.0	<2.0	BRL
	CHANGE			↑	NA	NA	
MW-29	3/27/2019	**6.8**	**40.6**	<5.0	<5.0	<2.0	BRL
	08/16/2021	**13.5**	**47.8**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/14/2022	<5.0	<5.0	**41.0**	<5.0	<2.0	BRL
	6/8/2022	<5.0	<5.0	**67.0**	<5.0	<2.0	BRL
	8/10/2022	<5.0	<5.0	**102**	<5.0	<2.0	BRL
	CHANGE	↓	↓	↑	NA	NA	

TABLE 4
3Q2022 GROUNDWATER ANALYTICAL RESULTS AND POST-INJECTION TRENDS
HRID / Former Houghland Tomato Cannery Property
Franklin, Indiana

		PCE	TCE	cDCE	tDCE	VC	Other VOCs
IDEM RCG Residential TWSL's		**5**	**5**	**70**	**100**	**2**	**Varies**
IDEM RCG Residential VESL's		**110**	**9.1**	**NE**	**NE**	**2.1**	**Varies**
IDEM RCG Industrial VESL's		**470**	**38**	**NE**	**NE**	**35**	**Varies**
Sample Identification	**Date Collected**	**Analytical Results in micrograms per liter (ug/L)**					
MW-29D	11/17/2020	**7.4**	**75.9**	**90**	<5.0	<2.0	BRL
	08/16/2021	**13**	**122**	**47.5**	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/14/2022	**12.6**	**110**	**58.1**	<5.0	<2.0	BRL
	6/8/2022	**19.2**	**143**	**75.3**	<5.0	<2.0	BRL
	8/10/2022	**16.5**	**140**	**98.3**	<5.0	<2.0	BRL
	CHANGE			↑	NA	NA	
MW-30	11/17/2020	**636**	**214**	<5.0	<5.0	<2.0	BRL
	08/16/2021	**526**	**245**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/15/2022	**178**	**143**	**1430**	**6.4**	**79.9**	BRL
	6/6/2022	**19.5**	**13.0**	**4500**	**38.2**	**112**	BRL
	8/9/2022	<5.0	<5.0	**298**	**11.4**	**102**	
	CHANGE	↓	↓	↑	↑	↑	
MW-33	11/17/2020	**28.4**	**56.6**	<5.0	<5.0	<2.0	BRL
	08/13/2021	**29.5**	**63.8**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	**31.1**	**57.1**	**27.5**	<5.0	<2.0	BRL
	6/7/2022	**35.3**	**53.3**	**19.6**	<5.0	**6.7**	BRL
	8/9/2022	**26.4**	**41.1**	**14.3**	<5.0	**5.3**	
	CHANGE	↓	↓	↑	NA	↑	
MW-33D	11/17/2020	**24.6**	**68.6**	<5.0	<5.0	<2.0	BRL
	08/13/2021	**12.2**	**47.9**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	**28.9**	**93.7**	**5.8**	<5.0	<2.0	BRL
	6/7/2022	**36.5**	**109**	**5.7**	<5.0	<2.0	BRL
	8/9/2022	**30.0**	**97.3**	**9.8**	<5.0	<2.0	BRL
	CHANGE	↑	↑	↑	NA	NA	
MW-36	03/05/2021	**9.2**	**38.4**	<5.0	<5.0	<2.0	BRL
	08/18/2021	<5.0	**12.2**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/17/2022	**26.1**	**80.6**	<5.0	<5.0	<2.0	BRL
	6/9/2022	**19.6**	**52.9**	<5.0	<5.0	<2.0	BRL
	8/8/2022	**8.9**	**23.5**	<5.0	<5.0	<2.0	BRL
	CHANGE			NA	NA	NA	
MW-37	03/05/2021	**17.8**	**12.6**	<5.0	<5.0	<2.0	BRL
	08/16/2021	**22.5**	**23.9**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	**26.3**	**38.5**	<5.0	<5.0	<2.0	BRL
	6/6/2022	**32.7**	**35.8**	<5.0	<5.0	<2.0	BRL
	8/8/2022	**22.4**	**23.3**	<5.0	<5.0	<2.0	BRL
	CHANGE			NA	NA	NA	
MW-39	03/04/2021	**14.4**	**36.7**	<5.0	<5.0	**4.7**	BRL
	08/13/2021	**10.3**	**43.3**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	**21.5**	**50.9**	<5.0	<5.0	**3.5**	BRL
	6/6/2022	**30.0**	**63.7**	<5.0	<5.0	**3.7**	BRL
	8/8/2022	**13.2**	**10.9**	<5.0	<5.0	**10.1**	BRL
	CHANGE		↓	NA	NA	↑	

TABLE 4
3Q2022 GROUNDWATER ANALYTICAL RESULTS AND POST-INJECTION TRENDS
HRID / Former Houghland Tomato Cannery Property
Franklin, Indiana

		PCE	TCE	cDCE	tDCE	VC	Other VOCs
IDEM RCG Residential TWSL's		**5**	**5**	**70**	**100**	**2**	**Varies**
IDEM RCG Residential VESL's		**110**	**9.1**	**NE**	**NE**	**2.1**	**Varies**
IDEM RCG Industrial VESL's		**470**	**38**	**NE**	**NE**	**35**	**Varies**
Sample Identification	**Date Collected**	**Analytical Results in micrograms per liter (ug/L)**					
MW-40	03/03/2021	<5.0	**159**	**296**	**405**	**2.2**	BRL
	08/16/2021	<5.0	**193**	**160**	**187**	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	**197**	**65.8**	**66.2**	<2.0	BRL
	6/7/2022	<5.0	**212**	**50.9**	**44.6**	<2.0	BRL
	8/10/2022	<5.0	**182**	**88.5**	**82.4**	<2.0	BRL
	CHANGE	NA		↓	↓	NA	
MW-41	03/03/2021	<5.0	**304**	**5.3**	<5.0	**3.5**	BRL
	08/13/2021	<5.0	**250**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/14/2022	<5.0	**139**	**178**	<5.0	**2.9**	BRL
	6/8/2022	<5.0	**163**	**84.1**	<5.0	**2.8**	BRL
	8/10/2021	<5.0	**243**	**90.4**	<5.0	**3.9**	BRL
	CHANGE	NA		↑	NA		
MW-41D	03/03/2021	<5.0	**248**	**6.6**	<5.0	<2.0	BRL
	08/13/2021	<5.0	**236**	**9.7**	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/17/2022	<5.0	<5.0	**435**	<5.0	**3.3**	BRL
	6/8/2022	<5.0	<5.0	**299**	<5.0	**24.7**	BRL
	8/10/2022	<5.0	<5.0	**13.9**	<5.0	**7.4**	BRL
	CHANGE	NA	↓	↑	NA	↑	
MW-42	03/05/2021	<5.0	**131**	<5.0	<5.0	<2.0	BRL
	08/16/2021	<5.0	**201**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/15/2022	<5.0	**84.0**	<5.0	<5.0	<2.0	BRL
	6/9/2022	<5.0	**187**	<5.0	<5.0	<2.0	BRL
	8/10/2022	<5.0	**204**	<5.0	<5.0	<2.0	BRL
	CHANGE	NA		NA	NA	NA	
MW-42D	03/05/2021	<5.0	**48.8**	**369**	**26.4**	<2.0	BRL
	08/16/2021	<5.0	**71.7**	**231**	**14.4**	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/15/2022	<5.0	**132**	**171**	**13.6**	<2.0	BRL
	6/9/2022	<5.0	**111**	**312**	**27**	<2.0	BRL
	8/10/2022	<5.0	**122**	**365**	**31.2**	<2.0	BRL
	CHANGE	NA	↑			NA	
MW-43	03/04/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/12/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	6/9/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	8/11/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	CHANGE	NA	NA	NA	NA	NA	
MW-43D	03/04/2021	<5.0	<5.0	**10.7**	<5.0	<2.0	BRL
	08/12/2021	<5.0	**7.9**	**10**	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	6/9/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	8/11/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	CHANGE	NA	↓	↓	NA	NA	

TABLE 4
3Q2022 GROUNDWATER ANALYTICAL RESULTS AND POST-INJECTION TRENDS
HRID / Former Houghland Tomato Cannery Property
Franklin, Indiana

		PCE	TCE	cDCE	tDCE	VC	Other VOCs
IDEM RCG Residential TWSL's		**5**	**5**	**70**	**100**	**2**	**Varies**
IDEM RCG Residential VESL's		**110**	**9.1**	**NE**	**NE**	**2.1**	**Varies**
IDEM RCG Industrial VESL's		**470**	**38**	**NE**	**NE**	**35**	**Varies**
Sample Identification	**Date Collected**	**Analytical Results in micrograms per liter (ug/L)**					
MW-46I	03/02/2021	<5.0	**29.7**	**40.5**	<5.0	<2.0	BRL
	08/17/2021	<5.0	**31.2**	**45.3**	<5.0	<2.0	BRL
	Remedial Injections - Winter 2022						
	3/15/2022	NS	NS	NS	NS	NS	NS
	6/8/2022	<5.0	**29.8**	**46.3**	**5.0**	<2.0	BRL
	8/11/2022	<5.0	<5.0	**84.5**	<5.0	**8.1**	
	CHANGE	NA	↓	↑	NA	↑	

Notes

↓	= Decrease since injections
↓	= Decreased to BRL since injections
	= No distinct trend since injections
↑	= Increase since injections
BOLD	= Constituent detected above Laboratory Reporting Limit
BOLD	= Constituent detected above IDEM RCG Residential TWSL's
BOLD	= Constituent detected above IDEM RCG Residential VESL's
BOLD	= Constituent detected above IDEM RCG Industrial VESL's

NE = No Screening Level Established
NS = Not Sampled
BRL = Below Laboratory Reporting Limit
NA = Not Applicable

TABLE 5
COMPREHENSIVE GROUNDWATER ANALYTICAL RESULTS
HRID / Former Houghland Tomato Cannery Property
Franklin, Indiana

		PCE	TCE	cDCE	tDCE	VC	Other VOCs
IDEM RCG Residential TWSL's		**5**	**5**	**70**	**100**	**2**	**Varies**
IDEM RCG Residential VESL's		**110**	**9.1**	**NE**	**NE**	**2.1**	**Varies**
IDEM RCG Industrial VESL's		**470**	**38**	**NE**	**NE**	**35**	**Varies**
Sample Identification	**Date Collected**	**Analytical Results in micrograms per liter (ug/L)**					
MW-10	9/24/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	3/7/2014	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	9/1/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	3/11/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/16/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-11	3/5/2014	**135**	**94.4**	< 5.0	< 5.0	< 2.0	BRL
	9/24/2013	**94.6**	**83.2**	< 5.0	< 5.0	< 2.0	BRL
	9/1/2016	**136**	**110**	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	**124**	**82.4**	< 5.0	< 5.0	< 2.0	BRL
	6/15/2018	**102**	**60.0**	< 5.0	< 5.0	< 2.0	BRL
	02/08/2019	**68.7**	**50.4**	<5.0	<5.0	<2.0	BRL
	03/05/2019	**39.6**	**29.5**	<5.0	<5.0	<2.0	BRL
	3/29/2019	**45.3**	**31.5**	<5.0	<5.0	<2.0	BRL
	11/17/2020	**110**	**37.5**	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	**40.6**	**14.8**	**298**	<5.0	<2.0	BRL
	08/09/2022	**9.0**	**6.4**	**280**	<5.0	<2.0	BRL
MW-11D	6/15/2018	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	02/08/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/05/2019	**7.2**	<5.0	<5.0	<5.0	<2.0	BRL
	3/29/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/17/2020	<5.0	<2.0	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	03/15/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW 12	3/5/2014	< 5.0	**10.3**	< 5.0	< 5.0	< 2.0	BRL
	3/3/2014	< 5.0	**10.3**	< 5.0	< 5.0	< 2.0	BRL
	9/1/2016	< 5.0	**42.4**	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	02/05/2019	<5.0	**38.8**	<5.0	<5.0	<2.0	BRL
	3/7/2019	<5.0	**42.0**	<5.0	<5.0	<2.0	BRL
	4/1/2019	<5.0	**29.9**	<5.0	<5.0	<2.0	BRL
	11/17/2020	<5.0	**55.3**	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/18/2021	<5.0	**39.2**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/14/2022	<5.0	**24.5**	<5.0	<5.0	<2.0	BRL
	6/8/2022	<5.0	**48.7**	<5.0	<5.0	<2.0	BRL
	08/10/2022	<5.0	**52.6**	<5.0	<5.0	<2.0	BRL

MW 12D	02/05/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/7/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	4/1/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/17/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/17/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/14/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	6/8/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/10/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
MW-13	9/24/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	3/5/2014	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	9/1/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	11/17/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-14	9/25/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	3/7/2014	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	02/08/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/6/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	4/1/2019	<5.0	**495**	**7.7**	<5.0	<2.0	BRL
	11/18/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	6/8/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/11/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
MW-14D	02/08/2019	<5.0	**583**	**26.4**	<5.0	<2.0	BRL
	3/6/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	4/1/2019	<5.0	**524**	**11**	<5.0	<2.0	BRL
	11/18/2020	<5.0	**439**	**23.5**	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	**234**	**25.2**	<5.0	<2.0	BRL
	6/8/2022	<5.0	**281**	**27.6**	<5.0	<2.0	BRL
	08/11/2022	<5.0	**285**	**33.9**	<5.0	<2.0	BRL
MW-15	9/25/2013	< 5.0	**26.3**	< 5.0	< 5.0	< 2.0	BRL
	3/7/2014	< 5.0	**16.6**	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	< 5.0	**42.3**	< 5.0	< 5.0	< 2.0	BRL
	6/15/2018	< 5.0	**50.3**	< 5.0	< 5.0	< 2.0	BRL
	02/08/2019	<5.0	**49.3**	<5.0	<5.0	<2.0	BRL
	3/6/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	4/1/2019	<5.0	**6.7**	**579**	**18.1**	<2.0	BRL
	11/18/2020	<5.0	**32.6**	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/13/2021	<5.0	**35.1**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	**13.5**	<5.0	<5.0	<2.0	BRL
	6/9/2022	<5.0	**36.8**	<5.0	<5.0	<2.0	BRL
	08/11/2022	<5.0	**44.2**	<5.0	<5.0	<2.0	BRL
MW-15D	6/15/2018	< 5.0	**120**	**384**	**42.3**	< 2.0	BRL
	02/08/2019	<5.0	**12.3**	**780**	**53.5**	<2.0	BRL
	3/6/2019	<5.0	**7.8**	**430**	**17.9**	<2.0	BRL
	4/1/2019	<5.0	<5.0	**557**	**29.5**	<2.0	BRL
	11/18/2020	<5.0	<5.0	**588**	**54.2**	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/13/2021	<5.0	<5.0	**618**	**42.5**	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	<5.0	**82.6**	<5.0	<2.0	BRL
	6/9/2022	<5.0	<5.0	**60.1**	<5.0	<2.0	BRL
	08/11/2022	<5.0	<5.0	**58.0**	<5.0	<2.0	BRL

MW-16	9/25/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	3/7/2014	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	3/6/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/18/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-17	9/25/2013	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	3/7/2014	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	3/6/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/16/2020	NS	NS	NS	NS	NS	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-18	3/3/2014	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/16/2020	NS	NS	NS	NS	NS	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-19	3/3/2014	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/12/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/16/2020	NS	NS	NS	NS	NS	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-20	3/3/2014	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	9/1/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	3/12/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/16/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-21	3/3/2014	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	9/1/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	3/12/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/16/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-22	3/5/2014	**8.5**	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	9/1/2016	**8.4**	**89.5**	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	**9.6**	**86.4**	< 5.0	< 5.0	< 2.0	BRL
	6/14/2018	**8.9**	**73.9**	<5.0	<5.0	<2.0	BRL
	02/08/2019	**8.1**	**71.5**	**10.8**	<5.0	<2.0	BRL
	3/7/2019	**5.8**	**30**	<5.0	<5.0	<2.0	BRL
	3/27/2019	**6.7**	**30.8**	<5.0	<5.0	<2.0	BRL
	11/17/2020	**11.8**	**68.7**	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/13/2021	**11.1**	**66.7**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/15/2022	<5.0	<5.0	**6.5**	<5.0	<2.0	BRL
	6/8/2022	**5.8**	**38.1**	**131**	<5.0	**6.7**	BRL
	08/09/2022	<5.0	<5.0	**168**	<5.0	**36.1**	BRL

MW-22D	6/14/2018	**7.4**	**34.6**	< 5.0	< 5.0	< 2.0	BRL
	02/08/2019	**9.1**	**42.6**	<5.0	<5.0	<2.0	BRL
	3/7/2019	**13.3**	**43.6**	<5.0	<5.0	<2.0	BRL
	3/27/2019	**7.4**	**32.1**	<5.0	<5.0	<2.0	BRL
	11/17/2020	**10.5**	**32.8**	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/13/2021	**10.4**	**33**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/15/2022	**11.5**	**37.8**	**10.6**	<5.0	<2.0	BRL
	6/8/2022	**13.6**	**41.4**	**61.9**	<5.0	**2.9**	BRL
	08/09/2022	**10.9**	**36.3**	**103**	<5.0	**14.3**	BRL
MW-23	3/3/2014	**141**	**469**	< 5.0	< 5.0	< 2.0	BRL
	9/1/2016	**156**	**323**	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	**115**	**234**	<5.0	<5.0	<2.0	BRL
	3/11/2019	**15.7**	**21.9**	<5.0	<5.0	<2.0	BRL
	11/16/2020	Well Dry - Not Sampled					
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	03/15/2022	<5.0	<5.0	**731**	<5.0	**29.8**	BRL
	6/6/2022	<5.0	<5.0	**65.7**	<5.0	**3.0**	BRL
	08/09/2022	<5.0	<5.0	**192**	<5.0	**14.3**	BRL
MW-24	3/6/2014	**183**	**65.6**	< 5.0	< 5.0	< 2.0	BRL
	9/1/2016	**185**	**52.0**	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	**167**	**59.0**	<5.0	<5.0	<2.0	BRL
	3/12/2019	**55.2**	**60.2**	<5.0	<5.0	<2.0	BRL
	11/16/2020	**64.9**	**35.9**	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/18/2021	**94**	**79**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/17/2022	**52.3**	**41.2**	**59.1**	<5.0	<2.0	BRL
	6/7/2022	**95.0**	**51.1**	**110**	<5.0	<2.0	BRL
	08/08/2022	**86.1**	**25.1**	**193**	<5.0	<2.0	BRL
MW-25	3/5/2014	< 5.0	**9.4**	< 5.0	< 5.0	< 2.0	BRL
	11/16/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/18/2021	<5.0	**5.1**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-26	3/5/2014	**26.9**	**63.1**	< 5.0	< 5.0	< 2.0	BRL
	9/1/2016	**22.2**	**55.4**	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	**21.8**	**48.0**	<5.0	<5.0	<2.0	BRL
	6/14/2018	**22.3**	**39.8**	<5.0	<5.0	<2.0	BRL
	02/05/2019	**14.8**	**46.1**	<5.0	<5.0	<2.0	BRL
	3/11/2019	**12.5**	**35.5**	<5.0	<5.0	<2.0	BRL
	03/28/2019	**15.6**	**31**	<5.0	<5.0	<2.0	BRL
	11/17/2020	**27.9**	**47.6**	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/12/2021	**23.5**	**50.5**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	**8.1**	**11.1**	<5.0	**80.2**	BRL
	6/6/2022	7.4	**11.2**	<5.0	<5.0	**36.9**	BRL
	08/08/2022	**6.6**	**9.4**	<5.0	<5.0	**17.9**	BRL
MW 32 (Deep Well paired with MW-26)	8/21/2017	**11.0**	**26.9**	**19.1**	< 5.0	< 2.0	BRL
	6/15/2018	**15.1**	**27.1**	**26.5**	< 5.0	< 2.0	BRL
	02/05/2019	**8.0**	**9.4**	**5.9**	<5.0	<2.0	BRL
	3/11/2019	**16.1**	**37.9**	<5.0	<5.0	<2.0	BRL
	03/28/2019	**15.8**	**29.5**	<5.0	<5.0	<5.0	BRL
	11/16/2020	**7.6**	**7.8**	**8.2**	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/12/2021	**6.2**	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	**12.5**	**22.3**	**29.8**	<5.0	<2.0	BRL
		11.9	**19.6**	**24.3**	<5.0	<2.0	BRL
	6/6/2022	**15.0**	**26.4**	**33.8**	<5.0	<2.0	BRL
	08/08/2022	**8.3**	**15.1**	**22.9**	<5.0	<2.0	BRL

MW-27	3/5/2014	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	9/1/2016	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	3/11/2019	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0	BRL
	11/16/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	8/13/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-28	3/7/2014	< 5.0	< 5.0	**19.3**	< 5.0	< 2.0	BRL
	8/22/2017	< 5.0	< 5.0	**47.7**	< 5.0	< 2.0	BRL
	3/6/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/18/2020	<5.0	<5.0	**56.8**	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/16/2021	<5.0	<5.0	**57.8**	**7.4**	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW 29	3/7/2014	**14.5**	**153**	< 5.0	< 5.0	< 2.0	BRL
	9/1/2016	**13.6**	**128**	< 5.0	< 5.0	< 2.0	BRL
	8/21/2017	**13.4**	**106**	< 5.0	< 5.0	< 2.0	BRL
	6/14/2018	**14.0**	**97.6**	< 5.0	< 5.0	< 2.0	BRL
	02/05/2019	<5.0	**34.5**	<5.0	<5.0	<2.0	BRL
	3/7/2019	<5.0	**15.7**	<5.0	<5.0	<2.0	BRL
	3/27/2019	**6.8**	**40.6**	<5.0	<5.0	<2.0	BRL
	11/16/2020	Well Dry - Not Sampled					
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/16/2021	**13.5**	**47.8**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/14/2022	<5.0	<5.0	**41.0**	<5.0	<2.0	BRL
	6/8/2022	<5.0	<5.0	**67.0**	<5.0	<2.0	BRL
	08/10/2022	<5.0	<5.0	**102**	<5.0	<2.0	BRL
MW 29D	6/14/2018	**12.9**	**148**	**33.6**	< 5.0	< 2.0	BRL
	02/05/2019	**13.4**	**149**	**25.7**	<5.0	<2.0	BRL
	3/7/2019	**14.4**	**124**	**21.2**	<5.0	<2.0	BRL
	3/27/2019	**9.8**	**106**	**21.4**	<5.0	<2.0	BRL
	11/17/2020	**7.4**	**75.9**	**90**	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/16/2021	**13**	**122**	**47.5**	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/14/2022	**12.6**	**110**	**58.1**	<5.0	<2.0	BRL
	6/8/2022	**19.2**	**143**	**75.3**	<5.0	<2.0	BRL
	08/10/2022	**16.5**	**140**	**98.3**	<5.0	<2.0	BRL
MW-30	9/1/2016	**695**	**386**	< 5.0	< 5.0	< 2.0	BRL
	8/22/2017	**475**	**253**	< 5.0	< 5.0	< 2.0	BRL
	6/15/18	**520**	**283**	< 5.0	< 5.0	< 2.0	BRL
	02/08/2019	**171**	**173**	<5.0	<5.0	<2.0	BRL
	3/11/2019	**293**	**163**	<5.0	<5.0	<2.0	BRL
	3/29/2019	**444**	**159**	<5.0	<5.0	<2.0	BRL
	11/17/2020	**636**	**214**	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/16/2021	**526**	**245**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/15/2022	**178**	**143**	**1430**	**6.4**	**79.9**	BRL
		167	**139**	**1920**	**6.1**	**96.1**	BRL
	6/6/2022	**19.5**	**13.0**	**4500**	**38.2**	**112**	BRL
	08/09/2022	<5.0	<5.0	**298**	**11.4**	**102**	BRL

MW-31 (Deep well paired with MW-30)	8/22/2017	**5.7**	<5.0	< 5.0	< 5.0	< 2.0	BRL
	6/15/2018	< 5.0	<5.0	< 5.0	< 5.0	< 2.0	BRL
	02/08/2019	<5.0	<5.0	**5.4**	<5.0	<2.0	BRL
	3/11/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/29/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/17/2020	**13.3**	<5.0	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/16/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW 33	02/05/2019	**28.9**	**61**	<5.0	<5.0	<2.0	BRL
	3/7/2019	**46.0**	**71.1**	**5.6**	<5.0	<2.0	BRL
	03/28/2019	**7.8**	**29.3**	<5.0	<5.0	<2.0	BRL
	11/17/2020	**28.4**	**56.6**	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/13/2021	**29.5**	**63.8**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	**31.1**	**57.1**	**27.5**	<5.0	<2.0	BRL
	6/7/2022	**35.3**	**53.3**	**19.6**	<5.0	**6.7**	BRL
	08/09/2022	**26.4**	**41.1**	**14.3**	<5.0	**5.3**	BRL
MW 33D	02/05/2019	**21.1**	**114**	<5.0	<5.0	<2.0	BRL
	3/7/2019	**35.4**	**97.3**	<5.0	<5.0	<2.0	BRL
	03/28/2019	**17.1**	**59.9**	<2.0	<5.0	<2.0	BRL
	11/17/2020	**24.6**	**68.6**	<5.0	<5.0	<2.0	BRL
	3/4/2021	NS	NS	NS	NS	NS	BRL
	08/13/2021	**12.2**	**47.9**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	**28.9**	**93.7**	**5.8**	<5.0	<2.0	BRL
	6/7/2022	**36.5**	**109**	**5.7**	<5.0	<2.0	BRL
	08/09/2022	**30.0**	**97.3**	**9.8**	<5.0	<2.0	BRL
MW-34	11/18/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/04/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	8/13/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-34D	11/18/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/04/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	8/13/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-35	11/18/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/04/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	8/13/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-35D	11/18/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/04/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	8/13/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-36	11/18/2020	**11.9**	**39.2**	<5.0	<5.0	<2.0	BRL
	03/05/2021	**9.2**	**38.4**	<5.0	<5.0	<2.0	BRL
	08/18/2021	<5.0	**12.2**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/17/2022	**26.1**	**80.6**	<5.0	<5.0	<2.0	BRL
	6/9/2022	**19.6**	**52.9**	<5.0	<5.0	<2.0	BRL
	08/08/2022	**8.9**	**23.5**	<5.0	<5.0	<2.0	BRL
MW-36D	11/18/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/05/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/18/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS

MW-37	11/18/2020	**23.8**	**23.5**	<5.0	<5.0	<2.0	BRL
	03/05/2021	**17.8**	**12.6**	<5.0	<5.0	<2.0	BRL
	08/16/2021	**22.5**	**23.9**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	**26.3**	**38.5**	<5.0	<5.0	<2.0	BRL
	6/6/2022	**32.7**	**35.8**	<5.0	<5.0	<2.0	BRL
	08/08/2022	**22.4**	**23.3**	<5.0	<5.0	<2.0	BRL
MW-37D	11/18/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/05/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/16/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-38	11/17/2020	**47.6**	**35.1**	<5.0	<5.0	<2.0	BRL
	03/04/2021	**35**	**27.1**	<5.0	<5.0	<2.0	BRL
	08/12/2021	**37.5**	**46.3**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-38D	11/17/2020	**18.5**	**105**	<5.0	<5.0	<2.0	BRL
	03/04/2021	**13.2**	**99.7**	<5.0	<5.0	<2.0	BRL
	08/12/2021	**23.1**	**141**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-39	11/18/2020	**8**	**12.4**	<5.0	<5.0	**9.9**	BRL
	03/04/2021	**14.4**	**36.7**	<5.0	<5.0	**4.7**	BRL
	08/13/2021	**10.3**	**43.3**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	**21.5**	**50.9**	<5.0	<5.0	**3.5**	BRL
	6/6/2022	**30.0**	**63.7**	<5.0	<5.0	**3.7**	BRL
	08/08/2022	**13.2**	**10.9**	<5.0	<5.0	**10.1**	BRL
MW-39D	11/18/2020	<5.0	<5.0	**10.9**	<5.0	<2.0	BRL
	03/04/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/13/2021	<5.0	<5.0	**23.8**	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-40	11/18/2020	<5.0	**213**	**401**	**640**	**4.1**	BRL
	03/03/2021	<5.0	**159**	**296**	**405**	**2.2**	BRL
	08/16/2021	<5.0	**193**	**160**	**187**	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	**197**	**65.8**	**66.2**	<2.0	BRL
	6/7/2022	<5.0	**212**	**50.9**	**44.6**	<2.0	BRL
	08/10/2022	<5.0	**182**	**88.5**	**82.4**	<2.0	BRL
MW-40D	11/18/2020	<5.0	<5.0	**15.5**	**22.1**	<2.0	BRL
	03/03/2021	<5.0	<5.0	**6.6**	**5.4**	<2.0	BRL
	08/16/2021	<5.0	<5.0	**6.1**	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-41	11/17/2020	<5.0	**400**	**6.3**	<5.0	**3.3**	BRL
	03/03/2021	<5.0	**304**	**5.3**	<5.0	**3.5**	BRL
	08/13/2021	<5.0	**250**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/14/2022	<5.0	**139**	**178**	<5.0	**2.9**	BRL
	6/8/2022	<5.0	**163**	**84.1**	<5.0	**2.8**	BRL
	08/10/2022	<5.0	**243**	**90.4**	<5.0	**3.9**	BRL
MW-41D	11/17/2020	<5.0	**277**	**7.1**	<5.0	<2.0	BRL
	03/03/2021	<5.0	**248**	**6.6**	<5.0	<2.0	BRL
	08/13/2021	<5.0	**236**	**9.7**	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/17/2022	<5.0	<5.0	**435**	<5.0	**3.3**	BRL
	6/8/2022	<5.0	<5.0	**299**	<5.0	**24.7**	BRL
	08/10/2022	<5.0	<5.0	**13.9**	<5.0	**7.4**	BRL

MW-42	11/17/2020	<5.0	**258**	<5.0	<5.0	<2.0	BRL
	03/05/2021	<5.0	**131**	<5.0	<5.0	<2.0	BRL
	08/16/2021	<5.0	**201**	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/15/2022	<5.0	**84.0**	<5.0	<5.0	<2.0	BRL
	6/9/2022	<5.0	**187**	<5.0	<5.0	<2.0	BRL
	08/10/2022	<5.0	**204**	<5.0	<5.0	<2.0	BRL
MW-42D	11/17/2020	<5.0	**46.4**	**450**	**37**	<2.0	BRL
	03/05/2021	<5.0	**48.8**	**369**	**26.4**	<2.0	BRL
	08/16/2021	<5.0	**71.7**	**231**	**14.4**	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/15/2022	<5.0	**132**	**171**	**13.6**	<2.0	BRL
	6/9/2022	<5.0	**111**	**312**	**27**	<2.0	BRL
	08/10/2022	<5.0	**122**	**365**	**31.2**	<2.0	BRL
MW-43	11/18/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/04/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/12/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	6/9/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/11/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
MW-43D	11/18/2020	<5.0	**7.1**	**16.7**	<5.0	<2.0	BRL
	03/04/2021	<5.0	<5.0	**10.7**	<5.0	<2.0	BRL
	08/12/2021	<5.0	**7.9**	**10**	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	03/16/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	6/9/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/11/2022	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
MW-44	11/19/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/04/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/12/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-44D	11/19/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/04/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/12/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-45	11/19/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/03/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/12/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-45D	11/19/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/03/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/12/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-46	11/19/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/02/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/13/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-46I	11/19/2020	<5.0	**35.7**	**43.1**	<5.0	<2.0	BRL
	03/02/2021	<5.0	**29.7**	**40.5**	<5.0	<2.0	BRL
	08/17/2021	<5.0	**31.2**	**45.3**	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/8/2022	<5.0	**29.8**	**46.3**	**5.0**	<2.0	BRL
	08/11/2022	<5.0	<5.0	**84.5**	<5.0	**8.1**	BRL

MW-46D	11/19/2020	<5.0	<5.0	**52.5**	<5.0	<2.0	BRL
	03/02/2021	<5.0	<5.0	**9.3**	<5.0	<2.0	BRL
	08/13/2021	<5.0	<5.0	**10**	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-47	11/19/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/02/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/13/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-47I	11/19/2020	<5.0	<5.0	**9.9**	<5.0	<2.0	BRL
	03/02/2021	<5.0	<5.0	**6.7**	<5.0	<2.0	BRL
	08/17/2021	<5.0	<5.0	**34.1**	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-47D	11/19/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/02/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/13/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-48	11/19/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/02/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/16/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-48D	11/19/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/02/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/16/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-49	11/19/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/03/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	08/16/2021	NS	NS	NS	NS	NS	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-49D	11/19/2020	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/3/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-50	08/17/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-50D	08/17/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-51	08/17/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-52	08/16/2021	<5.0	**20.5**	**124**	**191**	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-52D	08/16/2021	<5.0	**5.5**	**129**	**221**	<2.0	BRL
	Remedial Injections - Fall 2021						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS

MW-53S (former TMW-1)	02/06/2019	<5.0	**11.2**	<5.0	<5.0	<2.0	BRL
	3/8/2019	<5.0	**14.9**	<5.0	<5.0	<2.0	BRL
	03/26/2019	<5.0	**7**	<5.0	<5.0	<2.0	BRL
	11/16/2020	Well Abandoned. New well installed 10/xx/2022					
	Remedial Injections - Spring 2022						
MW-53D (former TMW-1D)	02/06/2019	<5.0	**24.2**	**510**	**41.6**	<2.0	BRL
	3/8/2019	<5.0	**19.8**	**660**	<5.0	<2.0	BRL
	03/26/2019	<5.0	**11.9**	**829**	**41**	<2.0	BRL
	11/16/2020	Well Abandoned. New well installed 10/xx/2022					
	Remedial Injections - Spring 2022						
MW-54S (former TMW-2)	02/06/2019	<5.0	**94.1**	<5.0	<5.0	<2.0	BRL
	3/8/2019	<5.0	**106**	<5.0	<5.0	<2.0	BRL
	03/26/2019	<5.0	**73.7**	<5.0	<5.0	<2.0	BRL
	11/16/2020	Well Abandoned. New well installed 10/xx/2022					
	Remedial Injections - Spring 2022						
MW-54D (former TMW-2D)	02/06/2019	<5.0	**15.9**	**550**	**43.4**	<2.0	BRL
	3/8/2019	<5.0	**40.9**	**250**	<5.0	<2.0	BRL
	03/26/2019	<5.0	**13.7**	**683**	**49.6**	**2.3**	BRL
	11/16/2020	Well Abandoned. New well installed 10/xx/2022					
	Remedial Injections - Spring 2022						
MW-55S (former TMW-3)	02/06/2019	<5.0	**30.4**	<5.0	<5.0	<2.0	BRL
	3/8/2019	<5.0	**37.3**	<5.0	<5.0	<2.0	BRL
	03/26/2019	<5.0	**25.2**	<5.0	<5.0	<2.0	BRL
	11/16/2020	Well Abandoned. New well installed 10/xx/2022					
	Remedial Injections - Spring 2022						
MW-55D (former TMW-3D)	02/06/2019	<5.0	**383**	**1060**	**87.5**	<2.0	BRL
	3/8/2019	<5.0	**152**	**539**	<5.0	<2.0	BRL
	03/26/2019	<5.0	**288**	**904**	**78.4**	<2.0	BRL
	11/16/2020	Well Abandoned. New well installed 10/xx/2022					
	Remedial Injections - Spring 2022						
MW-56S (former TMW-4)	02/07/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	3/8/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/26/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/16/2020	Well Abandoned. New well installed 10/xx/2022					
	Remedial Injections - Spring 2022						
MW-56D (former TMW-4D)	02/07/2019	<5.0	**9.1**	**437**	**14.5**	<2.0	BRL
	03/05/2019	<5.0	**7.3**	**270**	**9.8**	<2.0	BRL
	03/26/2019	<5.0	**10.9**	**395**	<5.0	<2.0	BRL
	11/16/2020	Well Abandoned. New well installed 10/xx/2022					
	Remedial Injections - Spring 2022						
MW-57S (former TMW-5)	02/08/2019	<5.0	**479**	<5.0	<5.0	<2.0	BRL
	03/05/2019	<5.0	**311**	<5.0	<5.0	<2.0	BRL
	03/26/2019	<5.0	**244**	<5.0	<5.0	<2.0	BRL
	11/16/2020	Well Abandoned. New well installed 10/xx/2022					
	Remedial Injections - Spring 2022						
MW-57D (former TMW-5D)	02/08/2019	<5.0	**528**	**1560**	**139**	<2.0	BRL
	03/05/2019	<5.0	**444**	**1040**	**80.9**	<2.0	BRL
	03/26/2019	<5.0	**500**	**1220**	**112**	<2.0	BRL
	11/16/2020	Well Abandoned. New well installed 10/xx/2022					
	Remedial Injections - Spring 2022						
MW-58S (former TMW-6)	02/08/2019	<5.0	**14.7**	**24.4**	<5.0	<2.0	BRL
	03/05/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/27/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/16/2020	Well Abandoned. New well installed 10/xx/2022					
	Remedial Injections - Spring 2022						
MW-58D (former TMW-6D)	02/08/2019	<5.0	<5.0	**8.3**	<5.0	<2.0	BRL
	03/05/2019	<5.0	<5.0	**5.2**	<5.0	<2.0	BRL
	03/27/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/16/2020	Well Abandoned. New well installed 10/xx/2022					
	Remedial Injections - Spring 2022						
MW-59D (former TMW-8D)	11/05/2021	<5.0	<5.0	**41.2**	<5.0	<2.0	BRL
	12/02/2021	<5.0	<5.0	**35.2**	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS

MW-60S (former TMW-9S)	11/04/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	12/02/2021	<5.0	<5.0	**19.9**	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-60I (former TMW-9I)	11/04/2021	<5.0	**240**	**150**	**15.5**	<2.0	BRL
	12/02/2021	<5.0	**175**	**213**	**16.9**	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-60D (former TMW-9D)	11/04/2021	<5.0	**27.7**	**1110**	**202**	<2.0	BRL
	12/02/2021	<5.0	**19.9**	**1430**	**208**	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-61I (former TMW-10I)	11/04/2021	<5.0	<5.0	**33.0**	<5.0	<2.0	BRL
	12/02/2021	<5.0	<5.0	**23.7**	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-61D (former TMW-10D)	11/05/2021	<5.0	<5.0	**6.4**	<5.0	<2.0	BRL
	12/02/2021	<5.0	<5.0	**7.3**	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-62I (former TMW-12I)	12/01/2021	<5.0	**277**	**774**	**62.8**	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-62D (former TMW-12D)	11/05/2021	<5.0	<5.0	**517**	**33.4**	<2.0	BRL
	12/01/2021	<5.0	<5.0	**704**	**30.9**	**3.1**	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-63I (former TMW-13I)	11/04/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	12/01/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-63D (former TMW-13D)	11/04/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	12/01/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	Remedial Injections - Spring 2022						
	6/6/2022	NS	NS	NS	NS	NS	NS
	8/8/2022	NS	NS	NS	NS	NS	NS
MW-64I							
MW-64D							
TMW-7	02/07/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/05/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	03/27/2019	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	11/16/2020	Well Abandoned					
TMW-7D	02/07/2019	<5.0	<5.0	**780**	**38.2**	<2.0	BRL
	03/05/2019	<5.0	**19.2**	**246**	**14.2**	<2.0	BRL
	03/27/2019	<5.0	<5.0	**943**	**46**	<2.0	BRL
	11/16/2020	Well Abandoned					
TMW-8S	11/05/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	12/01/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	4/14/2022	Well Abandoned					
TMW-10S	11/04/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	12/02/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	4/14/2022	Well Abandoned					

TMW-11D	11/05/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	12/01/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	4/14/2022	Well Abandoned					
TMW-14D	11/04/2021	<5.0	<5.0	**10.5**	<5.0	<2.0	BRL
	12/01/2021	<5.0	<5.0	<5.0	<5.0	<2.0	BRL
	4/14/2022	Well Abandoned					

Notes

BOLD	= Constituent detected above Laboratory Reporting Limit
BOLD	= Constituent detected above IDEM RCG Residential TWSL's
BOLD	= Constituent detected above IDEM RCG Residential VESL's
BOLD	= Constituent detected above IDEM RCG Industrial VESL's

NE = No Screening Level Established for Constituent

BRL - Below Laboratory Reporting Limit

NS=Not Sampled

APPENDIX C

2Q2022 LOW FLOW SAMPLING LOGS

Low-Flow Test Report:

Test Date / Time: 8/9/2022 8:48:55 AM
Project: Reed Manufacturing
Operator Name: E. Finkel

Location Name: MW-11 Patriot **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 3.85 ft** **Total Depth: 13.79 ft** **Initial Depth to Water: 9.75 ft**	**Pump Type: Bladder** **Tubing Type: Bonded LDPE** **Pump Intake From TOC: 12.5 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 814363**

Test Notes:
12.5/2.5
15psi
Dark particles visible
Slight odor

Purge 0840
Record 0848
Sample 0907

Weather Conditions:
71F
Cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
8/9/2022 8:48 AM	00:00	7.10 pH	18.41 °C	0.64 mS/cm	0.60 mg/L	85.21 NTU	-63.8 mV	9.75 ft	200.00 ml/min
8/9/2022 8:51 AM	03:00	7.22 pH	17.83 °C	0.64 mS/cm	0.17 mg/L	41.24 NTU	-93.1 mV	9.75 ft	200.00 ml/min
8/9/2022 8:54 AM	06:00	7.24 pH	17.80 °C	0.63 mS/cm	0.12 mg/L	24.67 NTU	-101.3 mV	9.75 ft	200.00 ml/min
8/9/2022 8:57 AM	09:00	7.25 pH	17.59 °C	0.63 mS/cm	0.10 mg/L	19.78 NTU	-106.2 mV	9.75 ft	200.00 ml/min
8/9/2022 9:00 AM	12:00	7.26 pH	17.61 °C	0.64 mS/cm	0.09 mg/L	19.02 NTU	-109.7 mV	9.75 ft	200.00 ml/min
8/9/2022 9:03 AM	15:00	7.28 pH	17.65 °C	0.64 mS/cm	0.09 mg/L	20.57 NTU	-113.2 mV	9.75 ft	200.00 ml/min

Samples

Sample ID:	Description:

MW-11	3 VOCs

Low-Flow Test Report:

Test Date / Time: 8/10/2022 11:11:02 AM
Project: HRID 3Q2022 MW-12
Operator Name: Danielle Richardson

Location Name: HRID MW-12 **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 5 ft** **Total Depth: 15.1 ft** **Initial Depth to Water: 11.03 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 13 ft** **Estimated Total Volume Pumped: 4600 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/10/2022 11:11 AM	00:00	8.16 pH	71.98 °F	789.32 µS/cm	5.85 mg/L	611.42 NTU	133.2 mV	11.03 ft	200.00 ml/min
8/10/2022 11:12 AM	01:00	7.33 pH	65.63 °F	789.78 µS/cm	3.01 mg/L	2,413.0 NTU	156.6 mV	11.03 ft	200.00 ml/min
8/10/2022 11:13 AM	02:00	7.18 pH	63.59 °F	793.54 µS/cm	2.68 mg/L	1,507.4 NTU	163.4 mV	11.03 ft	200.00 ml/min
8/10/2022 11:14 AM	03:00	7.14 pH	63.17 °F	795.58 µS/cm	2.62 mg/L	1,002.0 NTU	166.5 mV	11.03 ft	200.00 ml/min
8/10/2022 11:15 AM	04:00	7.09 pH	62.88 °F	790.85 µS/cm	2.41 mg/L	698.44 NTU	169.6 mV	11.03 ft	200.00 ml/min
8/10/2022 11:16 AM	05:00	7.08 pH	62.60 °F	785.06 µS/cm	2.14 mg/L	416.09 NTU	171.1 mV	11.03 ft	200.00 ml/min
8/10/2022 11:17 AM	06:00	7.07 pH	62.50 °F	782.36 µS/cm	2.04 mg/L	312.15 NTU	172.4 mV	11.03 ft	200.00 ml/min
8/10/2022 11:18 AM	07:00	7.06 pH	62.47 °F	781.47 µS/cm	1.99 mg/L	249.21 NTU	173.7 mV	11.03 ft	200.00 ml/min
8/10/2022 11:19 AM	08:00	7.06 pH	62.47 °F	781.05 µS/cm	1.97 mg/L	252.57 NTU	174.6 mV	11.03 ft	200.00 ml/min
8/10/2022 11:20 AM	09:00	7.05 pH	62.53 °F	782.82 µS/cm	1.99 mg/L	124.42 NTU	175.7 mV	11.03 ft	200.00 ml/min
8/10/2022 11:21 AM	10:00	7.04 pH	62.49 °F	783.38 µS/cm	1.99 mg/L	216.08 NTU	176.6 mV	11.03 ft	200.00 ml/min
8/10/2022 11:22 AM	11:00	7.04 pH	62.36 °F	782.81 µS/cm	1.97 mg/L	217.35 NTU	177.4 mV	11.03 ft	200.00 ml/min
8/10/2022 11:23 AM	12:00	7.03 pH	62.41 °F	781.98 µS/cm	1.94 mg/L	192.50 NTU	178.2 mV	11.03 ft	200.00 ml/min
8/10/2022 11:24 AM	13:00	7.03 pH	62.37 °F	782.56 µS/cm	1.93 mg/L	250.50 NTU	178.9 mV	11.03 ft	200.00 ml/min
8/10/2022 11:25 AM	14:00	7.03 pH	62.34 °F	782.70 µS/cm	1.93 mg/L	104.61 NTU	179.5 mV	11.03 ft	200.00 ml/min

8/10/2022 11:26 AM	15:00	7.02 pH	62.34 °F	782.40 µS/cm	1.91 mg/L	88.85 NTU	180.0 mV	11.03 ft	200.00 ml/min
8/10/2022 11:27 AM	16:00	7.02 pH	62.31 °F	781.67 µS/cm	1.90 mg/L	80.31 NTU	180.5 mV	11.03 ft	200.00 ml/min
8/10/2022 11:28 AM	17:00	7.02 pH	62.65 °F	781.99 µS/cm	1.90 mg/L	110.86 NTU	180.6 mV	11.03 ft	200.00 ml/min
8/10/2022 11:29 AM	18:00	7.03 pH	63.13 °F	780.72 µS/cm	1.86 mg/L	122.11 NTU	180.4 mV	11.03 ft	200.00 ml/min
8/10/2022 11:30 AM	19:00	7.02 pH	63.20 °F	778.52 µS/cm	1.79 mg/L	227.76 NTU	181.0 mV	11.03 ft	200.00 ml/min
8/10/2022 11:31 AM	20:00	7.01 pH	63.21 °F	780.14 µS/cm	1.82 mg/L	203.91 NTU	181.7 mV	11.03 ft	200.00 ml/min
8/10/2022 11:32 AM	21:00	7.01 pH	63.17 °F	782.16 µS/cm	1.89 mg/L	160.78 NTU	182.1 mV	11.03 ft	200.00 ml/min
8/10/2022 11:33 AM	22:00	7.00 pH	63.24 °F	783.70 µS/cm	1.92 mg/L	118.58 NTU	182.8 mV	11.03 ft	200.00 ml/min
8/10/2022 11:34 AM	23:00	7.00 pH	63.32 °F	783.61 µS/cm	1.92 mg/L	134.71 NTU	183.3 mV	11.03 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-12	VOCs

Low-Flow Test Report:

Test Date / Time: 8/10/2022 11:46:20 AM
Project: HRID 3Q2022 MW-12D
Operator Name: Danielle Richardson

Location Name: HRID MW-12D **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 18 ft** **Total Depth: 28 ft** **Initial Depth to Water: 10.61 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 19 ft** **Estimated Total Volume Pumped: 3200 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:
Ms/MSD B

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/10/2022 11:46 AM	00:00	7.94 pH	62.84 °F	480.56 µS/cm	1.02 mg/L	15.57 NTU	57.0 mV	10.61 ft	200.00 ml/min
8/10/2022 11:47 AM	01:00	8.11 pH	60.40 °F	487.68 µS/cm	0.25 mg/L	5.55 NTU	-114.7 mV	10.61 ft	200.00 ml/min
8/10/2022 11:48 AM	02:00	8.16 pH	59.68 °F	491.30 µS/cm	0.16 mg/L	3.32 NTU	-155.3 mV	10.61 ft	200.00 ml/min
8/10/2022 11:49 AM	03:00	8.18 pH	59.34 °F	499.23 µS/cm	0.12 mg/L	3.56 NTU	-175.6 mV	10.61 ft	200.00 ml/min
8/10/2022 11:50 AM	04:00	8.16 pH	59.17 °F	498.43 µS/cm	0.10 mg/L	3.52 NTU	-186.8 mV	10.61 ft	200.00 ml/min
8/10/2022 11:51 AM	05:00	8.16 pH	59.02 °F	491.91 µS/cm	0.08 mg/L	3.96 NTU	-194.9 mV	10.61 ft	200.00 ml/min
8/10/2022 11:52 AM	06:00	8.17 pH	58.97 °F	487.50 µS/cm	0.07 mg/L	5.56 NTU	-201.8 mV	10.61 ft	200.00 ml/min
8/10/2022 11:53 AM	07:00	8.18 pH	59.03 °F	482.95 µS/cm	0.06 mg/L	6.46 NTU	-207.4 mV	10.61 ft	200.00 ml/min
8/10/2022 11:54 AM	08:00	8.20 pH	59.02 °F	481.89 µS/cm	0.05 mg/L	6.64 NTU	-213.0 mV	10.61 ft	200.00 ml/min
8/10/2022 11:55 AM	09:00	8.22 pH	59.03 °F	485.19 µS/cm	0.04 mg/L	6.15 NTU	-219.6 mV	10.61 ft	200.00 ml/min
8/10/2022 11:56 AM	10:00	8.24 pH	59.06 °F	487.98 µS/cm	0.03 mg/L	7.23 NTU	-226.3 mV	10.61 ft	200.00 ml/min
8/10/2022 11:57 AM	11:00	8.26 pH	58.99 °F	491.64 µS/cm	0.02 mg/L	6.98 NTU	-231.7 mV	10.61 ft	200.00 ml/min
8/10/2022 11:58 AM	12:00	8.28 pH	58.79 °F	497.21 µS/cm	0.02 mg/L	6.93 NTU	-237.0 mV	10.61 ft	200.00 ml/min
8/10/2022 11:59 AM	13:00	8.28 pH	58.77 °F	502.65 µS/cm	0.01 mg/L	7.39 NTU	-241.6 mV	10.61 ft	200.00 ml/min
8/10/2022 12:00 PM	14:00	8.27 pH	58.67 °F	511.28 µS/cm	0.01 mg/L	7.90 NTU	-244.3 mV	10.61 ft	200.00 ml/min

8/10/2022 12:01 PM	15:00	8.28 pH	58.71 °F	513.72 µS/cm	0.01 mg/L	7.28 NTU	-247.9 mV	10.61 ft	200.00 ml/min
8/10/2022 12:02 PM	16:00	8.27 pH	59.24 °F	516.47 µS/cm	0.01 mg/L	7.66 NTU	-249.4 mV	10.61 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-12D	VOCs MS/MSD B

Low-Flow Test Report:

Test Date / Time: 8/11/2022 8:58:22 AM
Project: HRID 3Q2022 MW-14
Operator Name: Danielle Richardson

Location Name: HRID MW-14 **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 10 ft** **Total Depth: 20 ft** **Initial Depth to Water: 13.34 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 17 ft** **Estimated Total Volume Pumped: 4800 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/11/2022 8:58 AM	00:00	7.54 pH	63.94 °F	528.23 µS/cm	2.28 mg/L	2,445.0 NTU	-7.2 mV	13.34 ft	200.00 ml/min
8/11/2022 8:59 AM	01:00	7.53 pH	63.30 °F	480.69 µS/cm	0.24 mg/L	1,414.3 NTU	-31.0 mV	13.34 ft	200.00 ml/min
8/11/2022 9:00 AM	02:00	7.55 pH	63.38 °F	461.61 µS/cm	0.12 mg/L	770.24 NTU	-44.8 mV	13.34 ft	200.00 ml/min
8/11/2022 9:01 AM	03:00	7.58 pH	63.43 °F	455.93 µS/cm	0.13 mg/L	501.74 NTU	-52.1 mV	13.34 ft	200.00 ml/min
8/11/2022 9:02 AM	04:00	7.61 pH	63.59 °F	458.15 µS/cm	0.13 mg/L	457.23 NTU	-56.5 mV	13.34 ft	200.00 ml/min
8/11/2022 9:03 AM	05:00	7.58 pH	63.72 °F	466.37 µS/cm	0.12 mg/L	289.81 NTU	-56.4 mV	13.34 ft	200.00 ml/min
8/11/2022 9:04 AM	06:00	7.62 pH	63.47 °F	469.16 µS/cm	0.10 mg/L	171.15 NTU	-59.5 mV	13.34 ft	200.00 ml/min
8/11/2022 9:05 AM	07:00	7.64 pH	63.49 °F	465.16 µS/cm	0.09 mg/L	130.99 NTU	-61.7 mV	13.34 ft	200.00 ml/min
8/11/2022 9:06 AM	08:00	7.65 pH	63.54 °F	458.84 µS/cm	0.10 mg/L	95.06 NTU	-62.4 mV	13.34 ft	200.00 ml/min
8/11/2022 9:07 AM	09:00	7.65 pH	63.52 °F	451.92 µS/cm	0.10 mg/L	75.44 NTU	-62.5 mV	13.34 ft	200.00 ml/min
8/11/2022 9:08 AM	10:00	7.65 pH	63.54 °F	446.44 µS/cm	0.14 mg/L	59.87 NTU	-63.0 mV	13.34 ft	200.00 ml/min
8/11/2022 9:09 AM	11:00	7.65 pH	63.57 °F	444.06 µS/cm	0.12 mg/L	43.69 NTU	-62.9 mV	13.34 ft	200.00 ml/min
8/11/2022 9:10 AM	12:00	7.66 pH	63.56 °F	440.48 µS/cm	0.08 mg/L	34.52 NTU	-63.4 mV	13.34 ft	200.00 ml/min
8/11/2022 9:11 AM	13:00	7.67 pH	63.62 °F	441.14 µS/cm	0.07 mg/L	22.81 NTU	-64.6 mV	13.34 ft	200.00 ml/min
8/11/2022 9:12 AM	14:00	7.65 pH	63.78 °F	442.06 µS/cm	0.08 mg/L	21.21 NTU	-63.4 mV	13.34 ft	200.00 ml/min

8/11/2022 9:13 AM	15:00	7.67 pH	63.52 °F	434.62 µS/cm	0.07 mg/L	30.66 NTU	-64.8 mV	13.34 ft	200.00 ml/min
8/11/2022 9:14 AM	16:00	7.68 pH	63.76 °F	431.39 µS/cm	0.07 mg/L	14.45 NTU	-65.5 mV	13.34 ft	200.00 ml/min
8/11/2022 9:15 AM	17:00	7.66 pH	63.93 °F	442.98 µS/cm	0.07 mg/L	11.58 NTU	-64.6 mV	13.34 ft	200.00 ml/min
8/11/2022 9:16 AM	18:00	7.67 pH	64.16 °F	446.90 µS/cm	0.07 mg/L	13.22 NTU	-65.5 mV	13.34 ft	200.00 ml/min
8/11/2022 9:17 AM	19:00	7.66 pH	64.33 °F	445.06 µS/cm	0.07 mg/L	23.03 NTU	-65.4 mV	13.34 ft	200.00 ml/min
8/11/2022 9:18 AM	20:00	7.65 pH	64.15 °F	440.36 µS/cm	0.07 mg/L	17.38 NTU	-65.8 mV	13.34 ft	200.00 ml/min
8/11/2022 9:19 AM	21:00	7.66 pH	64.23 °F	435.37 µS/cm	0.07 mg/L	18.07 NTU	-66.6 mV	13.34 ft	200.00 ml/min
8/11/2022 9:20 AM	22:00	7.68 pH	64.13 °F	437.36 µS/cm	0.06 mg/L	13.34 NTU	-68.0 mV	13.34 ft	200.00 ml/min
8/11/2022 9:21 AM	23:00	7.67 pH	64.32 °F	436.03 µS/cm	0.06 mg/L	13.24 NTU	-68.0 mV	13.34 ft	200.00 ml/min
8/11/2022 9:22 AM	24:00	7.67 pH	64.51 °F	437.05 µS/cm	0.07 mg/L	14.97 NTU	-68.5 mV	13.34 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-14	VOCs

Low-Flow Test Report:

Test Date / Time: 8/11/2022 8:27:14 AM
Project: HRID 3Q2022 MW-14D
Operator Name: Danielle Richardson

Location Name: HRID MW-14D **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 23 ft** **Total Depth: 33 ft** **Initial Depth to Water: 10.57 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 3600 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/11/2022 8:27 AM	00:00	7.48 pH	59.72 °F	688.40 µS/cm	0.66 mg/L	43.81 NTU	223.1 mV	10.57 ft	200.00 ml/min
8/11/2022 8:28 AM	01:00	7.40 pH	58.83 °F	702.45 µS/cm	0.14 mg/L	195.61 NTU	114.6 mV	10.57 ft	200.00 ml/min
8/11/2022 8:29 AM	02:00	7.34 pH	58.85 °F	706.37 µS/cm	0.10 mg/L	246.94 NTU	48.1 mV	10.57 ft	200.00 ml/min
8/11/2022 8:30 AM	03:00	7.32 pH	59.38 °F	703.63 µS/cm	0.10 mg/L	213.16 NTU	16.7 mV	10.57 ft	200.00 ml/min
8/11/2022 8:31 AM	04:00	7.30 pH	59.66 °F	698.72 µS/cm	0.11 mg/L	174.02 NTU	1.6 mV	10.57 ft	200.00 ml/min
8/11/2022 8:32 AM	05:00	7.28 pH	59.61 °F	694.68 µS/cm	0.10 mg/L	127.47 NTU	-6.5 mV	10.57 ft	200.00 ml/min
8/11/2022 8:33 AM	06:00	7.27 pH	59.33 °F	690.56 µS/cm	0.08 mg/L	89.65 NTU	-11.3 mV	10.57 ft	200.00 ml/min
8/11/2022 8:34 AM	07:00	7.26 pH	59.20 °F	687.88 µS/cm	0.07 mg/L	54.48 NTU	-13.9 mV	10.57 ft	200.00 ml/min
8/11/2022 8:35 AM	08:00	7.25 pH	59.18 °F	687.92 µS/cm	0.06 mg/L	44.82 NTU	-15.4 mV	10.57 ft	200.00 ml/min
8/11/2022 8:36 AM	09:00	7.24 pH	59.20 °F	685.50 µS/cm	0.06 mg/L	34.02 NTU	-16.6 mV	10.57 ft	200.00 ml/min
8/11/2022 8:37 AM	10:00	7.23 pH	59.00 °F	685.63 µS/cm	0.05 mg/L	18.08 NTU	-17.1 mV	10.57 ft	200.00 ml/min
8/11/2022 8:38 AM	11:00	7.23 pH	58.71 °F	686.74 µS/cm	0.04 mg/L	13.79 NTU	-17.8 mV	10.57 ft	200.00 ml/min
8/11/2022 8:39 AM	12:00	7.22 pH	58.66 °F	688.69 µS/cm	0.03 mg/L	12.90 NTU	-18.4 mV	10.57 ft	200.00 ml/min
8/11/2022 8:40 AM	13:00	7.22 pH	58.67 °F	687.57 µS/cm	0.03 mg/L	8.45 NTU	-19.3 mV	10.57 ft	200.00 ml/min
8/11/2022 8:41 AM	14:00	7.21 pH	58.70 °F	686.84 µS/cm	0.03 mg/L	6.75 NTU	-19.8 mV	10.57 ft	200.00 ml/min

8/11/2022 8:42 AM	15:00	7.21 pH	58.71 °F	687.52 µS/cm	0.03 mg/L	5.40 NTU	-20.4 mV	10.57 ft	200.00 ml/min
8/11/2022 8:43 AM	16:00	7.22 pH	58.72 °F	686.05 µS/cm	0.03 mg/L	4.13 NTU	-21.1 mV	10.57 ft	200.00 ml/min
8/11/2022 8:44 AM	17:00	7.22 pH	58.95 °F	687.21 µS/cm	0.03 mg/L	3.97 NTU	-21.7 mV	10.57 ft	200.00 ml/min
8/11/2022 8:45 AM	18:00	7.21 pH	59.00 °F	685.57 µS/cm	0.04 mg/L	3.94 NTU	-21.5 mV	10.57 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-14D	VOCs

Low-Flow Test Report:

Test Date / Time: 8/11/2022 10:18:14 AM
Project: HRID 3Q2022 MW-15
Operator Name: Danielle Richardson

Location Name: HRID MW-15 **Well Diameter: 2 cm** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 11 ft** **Total Depth: 21 ft** **Initial Depth to Water: 14.37 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 18 ft** **Estimated Total Volume Pumped: 7800 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/11/2022 10:18 AM	00:00	7.30 pH	58.61 °F	665.12 µS/cm	1.78 mg/L	3,323.7 NTU	11.1 mV	14.37 ft	300.00 ml/min
8/11/2022 10:19 AM	01:00	7.28 pH	56.61 °F	680.84 µS/cm	0.21 mg/L	2,062.8 NTU	15.6 mV	14.37 ft	300.00 ml/min
8/11/2022 10:20 AM	02:00	7.25 pH	56.35 °F	680.98 µS/cm	0.12 mg/L	1,009.2 NTU	18.2 mV	14.37 ft	300.00 ml/min
8/11/2022 10:21 AM	03:00	7.24 pH	56.35 °F	680.23 µS/cm	0.11 mg/L	577.72 NTU	20.5 mV	14.37 ft	300.00 ml/min
8/11/2022 10:22 AM	04:00	7.23 pH	56.30 °F	679.97 µS/cm	0.12 mg/L	399.21 NTU	22.8 mV	14.37 ft	300.00 ml/min
8/11/2022 10:23 AM	05:00	7.23 pH	56.42 °F	680.20 µS/cm	0.12 mg/L	334.00 NTU	24.2 mV	14.37 ft	300.00 ml/min
8/11/2022 10:24 AM	06:00	7.23 pH	56.90 °F	678.96 µS/cm	0.12 mg/L	241.01 NTU	25.3 mV	14.37 ft	300.00 ml/min
8/11/2022 10:25 AM	07:00	7.22 pH	58.36 °F	684.29 µS/cm	0.15 mg/L	289.46 NTU	26.6 mV	14.37 ft	300.00 ml/min
8/11/2022 10:26 AM	08:00	7.19 pH	57.40 °F	677.32 µS/cm	0.15 mg/L	258.96 NTU	30.0 mV	14.37 ft	300.00 ml/min
8/11/2022 10:27 AM	09:00	7.22 pH	55.98 °F	682.75 µS/cm	0.10 mg/L	153.49 NTU	30.4 mV	14.37 ft	300.00 ml/min
8/11/2022 10:28 AM	10:00	7.21 pH	55.51 °F	683.66 µS/cm	0.08 mg/L	84.42 NTU	31.9 mV	14.37 ft	300.00 ml/min
8/11/2022 10:29 AM	11:00	7.21 pH	55.49 °F	677.80 µS/cm	0.10 mg/L	54.36 NTU	33.1 mV	14.37 ft	300.00 ml/min
8/11/2022 10:30 AM	12:00	7.21 pH	55.49 °F	676.12 µS/cm	0.10 mg/L	30.72 NTU	34.1 mV	14.37 ft	300.00 ml/min
8/11/2022 10:31 AM	13:00	7.21 pH	55.54 °F	675.97 µS/cm	0.09 mg/L	16.02 NTU	35.3 mV	14.37 ft	300.00 ml/min
8/11/2022 10:32 AM	14:00	7.21 pH	55.49 °F	674.87 µS/cm	0.07 mg/L	10.41 NTU	36.3 mV	14.37 ft	300.00 ml/min

8/11/2022 10:33 AM	15:00	7.21 pH	55.45 °F	673.75 µS/cm	0.07 mg/L	7.35 NTU	37.2 mV	14.37 ft	300.00 ml/min
8/11/2022 10:34 AM	16:00	7.21 pH	55.41 °F	671.79 µS/cm	0.07 mg/L	5.55 NTU	38.1 mV	14.37 ft	300.00 ml/min
8/11/2022 10:35 AM	17:00	7.21 pH	55.40 °F	670.94 µS/cm	0.06 mg/L	3.43 NTU	39.0 mV	14.37 ft	300.00 ml/min
8/11/2022 10:36 AM	18:00	7.21 pH	55.39 °F	669.08 µS/cm	0.06 mg/L	2.83 NTU	39.7 mV	14.37 ft	300.00 ml/min
8/11/2022 10:37 AM	19:00	7.21 pH	55.48 °F	667.37 µS/cm	0.05 mg/L	2.19 NTU	40.5 mV	14.37 ft	300.00 ml/min
8/11/2022 10:38 AM	20:00	7.21 pH	55.53 °F	665.97 µS/cm	0.05 mg/L	1.80 NTU	40.9 mV	14.37 ft	300.00 ml/min
8/11/2022 10:39 AM	21:00	7.21 pH	55.44 °F	663.43 µS/cm	0.04 mg/L	1.58 NTU	41.8 mV	14.37 ft	300.00 ml/min
8/11/2022 10:40 AM	22:00	7.21 pH	55.49 °F	663.94 µS/cm	0.03 mg/L	1.32 NTU	42.4 mV	14.37 ft	300.00 ml/min
8/11/2022 10:41 AM	23:00	7.21 pH	55.48 °F	662.16 µS/cm	0.03 mg/L	1.14 NTU	42.8 mV	14.37 ft	300.00 ml/min
8/11/2022 10:42 AM	24:00	7.21 pH	55.47 °F	661.38 µS/cm	0.03 mg/L	1.06 NTU	43.6 mV	14.37 ft	300.00 ml/min
8/11/2022 10:43 AM	25:00	7.21 pH	55.50 °F	660.59 µS/cm	0.03 mg/L	0.96 NTU	44.2 mV	14.37 ft	300.00 ml/min
8/11/2022 10:44 AM	26:00	7.21 pH	55.52 °F	659.32 µS/cm	0.03 mg/L	1.02 NTU	44.6 mV	14.37 ft	300.00 ml/min

Samples

Sample ID:	Description:
MW-15	VOCs

Low-Flow Test Report:

Test Date / Time: 8/11/2022 9:44:06 AM
Project: HRID 3Q2022 MW-15D
Operator Name: Danielle Richardson

Location Name: HRID MW-15D **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 38 ft** **Total Depth: 48 ft** **Initial Depth to Water: 13.82 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 31 ft** **Estimated Total Volume Pumped: 6900 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/11/2022 9:44 AM	00:00	7.66 pH	57.76 °F	640.25 µS/cm	1.29 mg/L	25.96 NTU	25.2 mV	13.82 ft	300.00 ml/min
8/11/2022 9:45 AM	01:00	7.47 pH	57.06 °F	646.22 µS/cm	0.26 mg/L	25.22 NTU	36.7 mV	13.82 ft	300.00 ml/min
8/11/2022 9:46 AM	02:00	7.38 pH	56.96 °F	647.69 µS/cm	0.16 mg/L	19.98 NTU	42.1 mV	13.82 ft	300.00 ml/min
8/11/2022 9:47 AM	03:00	7.34 pH	57.03 °F	648.17 µS/cm	0.14 mg/L	16.49 NTU	45.2 mV	13.82 ft	300.00 ml/min
8/11/2022 9:48 AM	04:00	7.30 pH	57.32 °F	647.94 µS/cm	0.12 mg/L	13.34 NTU	47.5 mV	13.82 ft	300.00 ml/min
8/11/2022 9:49 AM	05:00	7.27 pH	57.24 °F	648.22 µS/cm	0.11 mg/L	11.60 NTU	49.7 mV	13.82 ft	300.00 ml/min
8/11/2022 9:50 AM	06:00	7.28 pH	56.76 °F	647.88 µS/cm	0.10 mg/L	10.84 NTU	50.0 mV	13.82 ft	300.00 ml/min
8/11/2022 9:51 AM	07:00	7.26 pH	56.58 °F	648.17 µS/cm	0.07 mg/L	11.64 NTU	51.1 mV	13.82 ft	300.00 ml/min
8/11/2022 9:52 AM	08:00	7.25 pH	56.44 °F	648.09 µS/cm	0.06 mg/L	13.25 NTU	51.2 mV	13.82 ft	300.00 ml/min
8/11/2022 9:53 AM	09:00	7.25 pH	56.38 °F	647.82 µS/cm	0.05 mg/L	15.80 NTU	50.8 mV	13.82 ft	300.00 ml/min
8/11/2022 9:54 AM	10:00	7.23 pH	56.46 °F	648.37 µS/cm	0.05 mg/L	18.10 NTU	50.2 mV	13.82 ft	300.00 ml/min
8/11/2022 9:55 AM	11:00	7.22 pH	56.49 °F	648.31 µS/cm	0.05 mg/L	23.39 NTU	48.1 mV	13.82 ft	300.00 ml/min
8/11/2022 9:56 AM	12:00	7.20 pH	56.63 °F	650.14 µS/cm	0.04 mg/L	21.77 NTU	44.8 mV	13.82 ft	300.00 ml/min
8/11/2022 9:57 AM	13:00	7.20 pH	56.45 °F	649.79 µS/cm	0.04 mg/L	19.26 NTU	39.5 mV	13.82 ft	300.00 ml/min
8/11/2022 9:58 AM	14:00	7.20 pH	56.36 °F	650.37 µS/cm	0.03 mg/L	18.33 NTU	33.6 mV	13.82 ft	300.00 ml/min

8/11/2022 9:59 AM	15:00	7.20 pH	56.46 °F	650.63 µS/cm	0.04 mg/L	17.71 NTU	28.1 mV	13.82 ft	300.00 ml/min
8/11/2022 10:00 AM	16:00	7.20 pH	56.45 °F	650.74 µS/cm	0.03 mg/L	19.32 NTU	22.6 mV	13.82 ft	300.00 ml/min
8/11/2022 10:01 AM	17:00	7.19 pH	57.02 °F	651.49 µS/cm	0.04 mg/L	19.17 NTU	17.5 mV	13.82 ft	300.00 ml/min
8/11/2022 10:02 AM	18:00	7.21 pH	57.55 °F	651.14 µS/cm	0.04 mg/L	14.30 NTU	12.3 mV	13.82 ft	300.00 ml/min
8/11/2022 10:03 AM	19:00	7.21 pH	58.07 °F	650.82 µS/cm	0.05 mg/L	14.08 NTU	8.0 mV	13.82 ft	300.00 ml/min
8/11/2022 10:04 AM	20:00	7.17 pH	59.94 °F	657.72 µS/cm	0.07 mg/L	17.34 NTU	6.2 mV	13.82 ft	300.00 ml/min
8/11/2022 10:05 AM	21:00	7.18 pH	59.24 °F	651.31 µS/cm	0.08 mg/L	19.22 NTU	3.3 mV	13.82 ft	300.00 ml/min
8/11/2022 10:06 AM	22:00	7.18 pH	58.40 °F	650.88 µS/cm	0.09 mg/L	16.25 NTU	0.7 mV	13.82 ft	300.00 ml/min
8/11/2022 10:07 AM	23:00	7.18 pH	58.73 °F	651.68 µS/cm	0.08 mg/L	17.95 NTU	-1.7 mV	13.82 ft	300.00 ml/min

Samples

Sample ID:	Description:
MW-15D	VOCs

Low-Flow Test Report:

Test Date / Time: 8/9/2022 8:51:15 AM
Project: HRID 3Q2022 MW-22
Operator Name: Danielle Richardson

Location Name: HRID MW-22 **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 8 ft** **Total Depth: 18.9 ft** **Initial Depth to Water: 15.5 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 17 ft** **Estimated Total Volume Pumped: 5600 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/9/2022 8:51 AM	00:00	6.73 pH	62.18 °F	1,085.5 µS/cm	0.65 mg/L	3,723.1 NTU	-4.4 mV	15.50 ft	200.00 ml/min
8/9/2022 8:52 AM	01:00	6.74 pH	60.95 °F	1,029.7 µS/cm	0.10 mg/L	2,408.0 NTU	-17.2 mV	15.50 ft	200.00 ml/min
8/9/2022 8:53 AM	02:00	6.76 pH	60.63 °F	955.56 µS/cm	0.09 mg/L	642.75 NTU	-23.2 mV	15.50 ft	200.00 ml/min
8/9/2022 8:54 AM	03:00	6.77 pH	60.91 °F	936.92 µS/cm	0.07 mg/L	603.50 NTU	-26.6 mV	15.50 ft	200.00 ml/min
8/9/2022 8:55 AM	04:00	6.76 pH	61.78 °F	936.46 µS/cm	0.08 mg/L	572.09 NTU	-29.0 mV	15.50 ft	200.00 ml/min
8/9/2022 8:56 AM	05:00	6.75 pH	62.49 °F	941.07 µS/cm	0.10 mg/L	570.15 NTU	-31.0 mV	15.50 ft	200.00 ml/min
8/9/2022 8:57 AM	06:00	6.83 pH	63.90 °F	1.25 µS/cm	6.44 mg/L	1,230.8 NTU	-28.0 mV	15.50 ft	200.00 ml/min
8/9/2022 8:58 AM	07:00	6.81 pH	60.40 °F	894.14 µS/cm	2.79 mg/L	990.38 NTU	-26.3 mV	15.50 ft	200.00 ml/min
8/9/2022 8:59 AM	08:00	6.80 pH	59.00 °F	874.56 µS/cm	0.10 mg/L	134.46 NTU	-25.8 mV	15.50 ft	200.00 ml/min
8/9/2022 9:00 AM	09:00	6.77 pH	59.81 °F	883.51 µS/cm	0.12 mg/L	69.15 NTU	-24.3 mV	15.50 ft	200.00 ml/min
8/9/2022 9:01 AM	10:00	6.77 pH	58.86 °F	856.19 µS/cm	0.03 mg/L	84.08 NTU	-24.3 mV	15.50 ft	200.00 ml/min
8/9/2022 9:02 AM	11:00	6.76 pH	58.98 °F	858.07 µS/cm	0.03 mg/L	21.52 NTU	-23.4 mV	15.50 ft	200.00 ml/min
8/9/2022 9:03 AM	12:00	6.76 pH	59.79 °F	843.40 µS/cm	0.03 mg/L	24.01 NTU	-23.8 mV	15.50 ft	200.00 ml/min
8/9/2022 9:04 AM	13:00	6.78 pH	60.46 °F	151.48 µS/cm	3.05 mg/L	0.60 NTU	-23.8 mV	15.50 ft	200.00 ml/min
8/9/2022 9:05 AM	14:00	6.93 pH	61.77 °F	0.43 µS/cm	9.16 mg/L	107.46 NTU	-20.6 mV	15.50 ft	200.00 ml/min

8/9/2022 9:06 AM	15:00	6.75 pH	59.64 °F	871.88 µS/cm	0.85 mg/L	31.62 NTU	-14.3 mV	15.50 ft	200.00 ml/min
8/9/2022 9:07 AM	16:00	6.75 pH	58.95 °F	843.53 µS/cm	0.07 mg/L	33.58 NTU	-15.7 mV	15.50 ft	200.00 ml/min
8/9/2022 9:08 AM	17:00	6.74 pH	58.88 °F	844.21 µS/cm	0.03 mg/L	8.44 NTU	-16.1 mV	15.50 ft	200.00 ml/min
8/9/2022 9:09 AM	18:00	6.74 pH	58.86 °F	837.54 µS/cm	0.02 mg/L	6.01 NTU	-16.9 mV	15.50 ft	200.00 ml/min
8/9/2022 9:10 AM	19:00	6.74 pH	58.84 °F	839.53 µS/cm	0.02 mg/L	5.29 NTU	-17.3 mV	15.50 ft	200.00 ml/min
8/9/2022 9:11 AM	20:00	6.74 pH	58.85 °F	835.27 µS/cm	0.02 mg/L	4.14 NTU	-17.8 mV	15.50 ft	200.00 ml/min
8/9/2022 9:12 AM	21:00	6.73 pH	58.84 °F	837.33 µS/cm	0.02 mg/L	3.34 NTU	-17.9 mV	15.50 ft	200.00 ml/min
8/9/2022 9:13 AM	22:00	6.73 pH	58.84 °F	821.43 µS/cm	0.01 mg/L	2.97 NTU	-18.3 mV	15.50 ft	200.00 ml/min
8/9/2022 9:14 AM	23:00	6.73 pH	58.84 °F	810.26 µS/cm	0.01 mg/L	2.64 NTU	-18.3 mV	15.50 ft	200.00 ml/min
8/9/2022 9:15 AM	24:00	6.71 pH	58.85 °F	830.29 µS/cm	0.01 mg/L	2.44 NTU	-17.9 mV	15.50 ft	200.00 ml/min
8/9/2022 9:16 AM	25:00	6.70 pH	58.86 °F	828.25 µS/cm	0.01 mg/L	2.24 NTU	-17.8 mV	15.50 ft	200.00 ml/min
8/9/2022 9:17 AM	26:00	6.70 pH	58.86 °F	807.63 µS/cm	0.01 mg/L	2.10 NTU	-18.1 mV	15.50 ft	200.00 ml/min
8/9/2022 9:18 AM	27:00	6.70 pH	58.87 °F	808.20 µS/cm	0.01 mg/L	1.93 NTU	-17.9 mV	15.50 ft	200.00 ml/min
8/9/2022 9:19 AM	28:00	6.68 pH	58.86 °F	819.47 µS/cm	0.01 mg/L	1.94 NTU	-17.2 mV	15.50 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-22	VOCs

Low-Flow Test Report:

Test Date / Time: 8/9/2022 7:48:52 AM
Project: HRID 3Q2022 MW-22D
Operator Name: Danielle Richardson

Location Name: HRID MW-22D **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 18 ft** **Total Depth: 28 ft** **Initial Depth to Water: 15.11 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 13500 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:
MS/MSD A

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/9/2022 7:48 AM	00:00	6.85 pH	60.95 °F	661.59 µS/cm	0.46 mg/L	403.21 NTU	173.9 mV	15.11 ft	300.00 ml/min
8/9/2022 7:49 AM	01:00	6.93 pH	60.39 °F	661.90 µS/cm	0.23 mg/L	368.17 NTU	168.4 mV	15.11 ft	300.00 ml/min
8/9/2022 7:50 AM	02:00	6.97 pH	60.06 °F	660.44 µS/cm	0.19 mg/L	300.87 NTU	158.8 mV	15.11 ft	300.00 ml/min
8/9/2022 7:51 AM	03:00	7.00 pH	59.91 °F	658.52 µS/cm	0.16 mg/L	289.04 NTU	147.2 mV	15.11 ft	300.00 ml/min
8/9/2022 7:52 AM	04:00	7.02 pH	60.05 °F	657.01 µS/cm	0.14 mg/L	278.74 NTU	135.4 mV	15.11 ft	300.00 ml/min
8/9/2022 7:53 AM	05:00	7.03 pH	60.30 °F	656.06 µS/cm	0.13 mg/L	202.19 NTU	124.3 mV	15.11 ft	300.00 ml/min
8/9/2022 7:54 AM	06:00	7.02 pH	60.56 °F	655.62 µS/cm	0.13 mg/L	157.06 NTU	114.3 mV	15.11 ft	300.00 ml/min
8/9/2022 7:55 AM	07:00	7.03 pH	60.56 °F	655.88 µS/cm	0.14 mg/L	126.22 NTU	104.6 mV	15.11 ft	300.00 ml/min
8/9/2022 7:56 AM	08:00	7.02 pH	60.85 °F	655.40 µS/cm	0.14 mg/L	98.89 NTU	96.1 mV	15.11 ft	300.00 ml/min
8/9/2022 7:57 AM	09:00	7.01 pH	60.78 °F	654.87 µS/cm	0.14 mg/L	105.00 NTU	88.9 mV	15.11 ft	300.00 ml/min
8/9/2022 7:58 AM	10:00	7.08 pH	61.65 °F	0.78 µS/cm	7.89 mg/L	480.52 NTU	79.5 mV	15.11 ft	300.00 ml/min
8/9/2022 7:59 AM	11:00	7.06 pH	61.83 °F	657.75 µS/cm	2.82 mg/L	95.83 NTU	76.8 mV	15.11 ft	300.00 ml/min
8/9/2022 8:00 AM	12:00	7.04 pH	60.98 °F	656.27 µS/cm	0.43 mg/L	87.99 NTU	71.5 mV	15.11 ft	300.00 ml/min
8/9/2022 8:01 AM	13:00	7.04 pH	60.82 °F	653.00 µS/cm	0.96 mg/L	81.56 NTU	67.6 mV	15.11 ft	300.00 ml/min
8/9/2022 8:02 AM	14:00	7.05 pH	61.23 °F	654.55 µS/cm	4.15 mg/L	76.43 NTU	63.7 mV	15.11 ft	300.00 ml/min

8/9/2022 8:03 AM	15:00	7.07 pH	60.82 °F	655.65 µS/cm	6.51 mg/L	79.46 NTU	60.4 mV	15.11 ft	300.00 ml/min
8/9/2022 8:04 AM	16:00	7.04 pH	59.92 °F	651.38 µS/cm	1.45 mg/L	80.31 NTU	59.4 mV	15.11 ft	300.00 ml/min
8/9/2022 8:05 AM	17:00	7.00 pH	59.40 °F	652.17 µS/cm	0.13 mg/L	58.51 NTU	58.5 mV	15.11 ft	300.00 ml/min
8/9/2022 8:06 AM	18:00	6.98 pH	59.19 °F	651.82 µS/cm	0.06 mg/L	70.96 NTU	57.5 mV	15.11 ft	300.00 ml/min
8/9/2022 8:07 AM	19:00	6.96 pH	59.26 °F	652.36 µS/cm	0.05 mg/L	59.83 NTU	56.5 mV	15.11 ft	300.00 ml/min
8/9/2022 8:08 AM	20:00	6.96 pH	59.86 °F	652.88 µS/cm	2.47 mg/L	41.80 NTU	55.1 mV	15.11 ft	300.00 ml/min
8/9/2022 8:09 AM	21:00	6.93 pH	59.54 °F	651.52 µS/cm	0.17 mg/L	27.54 NTU	54.4 mV	15.11 ft	300.00 ml/min
8/9/2022 8:10 AM	22:00	6.93 pH	59.92 °F	0.84 µS/cm	3.48 mg/L	0.61 NTU	53.2 mV	15.11 ft	300.00 ml/min
8/9/2022 8:11 AM	23:00	6.92 pH	59.74 °F	652.34 µS/cm	0.62 mg/L	32.31 NTU	53.2 mV	15.11 ft	300.00 ml/min
8/9/2022 8:12 AM	24:00	6.95 pH	60.30 °F	653.43 µS/cm	3.44 mg/L	31.13 NTU	52.1 mV	15.11 ft	300.00 ml/min
8/9/2022 8:13 AM	25:00	6.91 pH	59.88 °F	652.25 µS/cm	0.36 mg/L	42.99 NTU	52.3 mV	15.11 ft	300.00 ml/min
8/9/2022 8:14 AM	26:00	6.91 pH	60.18 °F	652.61 µS/cm	2.36 mg/L	35.60 NTU	52.1 mV	15.11 ft	300.00 ml/min
8/9/2022 8:15 AM	27:00	6.88 pH	60.05 °F	652.55 µS/cm	0.27 mg/L	44.85 NTU	52.2 mV	15.11 ft	300.00 ml/min
8/9/2022 8:16 AM	28:00	6.85 pH	60.05 °F	652.11 µS/cm	0.12 mg/L	43.32 NTU	52.4 mV	15.11 ft	300.00 ml/min
8/9/2022 8:17 AM	29:00	6.83 pH	60.31 °F	652.24 µS/cm	0.10 mg/L	34.11 NTU	52.4 mV	15.11 ft	300.00 ml/min
8/9/2022 8:18 AM	30:00	6.88 pH	61.20 °F	654.86 µS/cm	5.91 mg/L	40.15 NTU	51.9 mV	15.11 ft	300.00 ml/min
8/9/2022 8:19 AM	31:00	6.84 pH	61.36 °F	653.47 µS/cm	0.87 mg/L	27.13 NTU	51.9 mV	15.11 ft	300.00 ml/min
8/9/2022 8:20 AM	32:00	6.85 pH	61.78 °F	653.79 µS/cm	2.61 mg/L	32.25 NTU	52.0 mV	15.11 ft	300.00 ml/min
8/9/2022 8:21 AM	33:00	6.82 pH	61.28 °F	646.32 µS/cm	0.99 mg/L	582.41 NTU	51.9 mV	15.11 ft	300.00 ml/min
8/9/2022 8:22 AM	34:00	6.85 pH	62.13 °F	655.02 µS/cm	2.61 mg/L	34.97 NTU	51.2 mV	15.11 ft	300.00 ml/min
8/9/2022 8:23 AM	35:00	6.85 pH	59.90 °F	649.88 µS/cm	0.83 mg/L	121.57 NTU	51.1 mV	15.11 ft	300.00 ml/min
8/9/2022 8:24 AM	36:00	6.84 pH	58.87 °F	650.53 µS/cm	0.11 mg/L	101.26 NTU	50.2 mV	15.11 ft	300.00 ml/min
8/9/2022 8:25 AM	37:00	6.87 pH	59.17 °F	0.96 µS/cm	3.18 mg/L	79.36 NTU	49.3 mV	15.11 ft	300.00 ml/min
8/9/2022 8:26 AM	38:00	6.87 pH	58.78 °F	1.01 µS/cm	2.57 mg/L	79.19 NTU	48.8 mV	15.11 ft	300.00 ml/min
8/9/2022 8:27 AM	39:00	6.86 pH	58.73 °F	652.31 µS/cm	0.27 mg/L	83.52 NTU	48.5 mV	15.11 ft	300.00 ml/min
8/9/2022 8:28 AM	40:00	6.87 pH	58.52 °F	1.37 µS/cm	1.54 mg/L	0.63 NTU	47.4 mV	15.11 ft	300.00 ml/min
8/9/2022 8:29 AM	41:00	6.86 pH	58.38 °F	651.38 µS/cm	0.63 mg/L	50.92 NTU	47.9 mV	15.11 ft	300.00 ml/min
8/9/2022 8:30 AM	42:00	6.86 pH	58.16 °F	6.18 µS/cm	1.12 mg/L	46.11 NTU	47.2 mV	15.11 ft	300.00 ml/min
8/9/2022 8:31 AM	43:00	6.85 pH	58.32 °F	650.90 µS/cm	0.27 mg/L	37.87 NTU	47.8 mV	15.11 ft	300.00 ml/min

8/9/2022 8:32 AM	44:00	6.85 pH	58.28 °F	650.87 µS/cm	0.06 mg/L	27.51 NTU	47.3 mV	15.11 ft	300.00 ml/min
8/9/2022 8:33 AM	45:00	6.85 pH	58.11 °F	650.96 µS/cm	0.03 mg/L	15.58 NTU	46.7 mV	15.11 ft	300.00 ml/min

Samples

Sample ID:	Description:
MW-22D	VOCs MS/MSD A

Low-Flow Test Report:

Test Date / Time: 8/9/2022 7:46:14 AM
Project: Reed Manufacturing
Operator Name: E. Finkel

Location Name: MW-23 Patriot **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 10 ft** **Total Depth: 19.45 ft** **Initial Depth to Water: 17.31 ft**	**Pump Type: Bladder** **Tubing Type: Bonded LDPE** **Pump Intake From TOC: 18.5 ft** **Estimated Total Volume Pumped: 750 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 50 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 814363**

Test Notes:
14/1
20psi
Pump placed near bottom
Clear
Strong odor

Record 0746
Sampled 0808
Purge stopped due to drawdown
Split with pareio

Weather Conditions:
72F
Light rain

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
8/9/2022 7:46 AM	00:00	7.12 pH	22.91 °C	0.09 mS/cm	2.08 mg/L	0.63 NTU	226.9 mV	17.31 ft	50.00 ml/min
8/9/2022 7:49 AM	03:00	6.59 pH	22.33 °C	1.00 mS/cm	0.79 mg/L	65.43 NTU	-24.8 mV	17.31 ft	50.00 ml/min
8/9/2022 7:52 AM	06:00	6.58 pH	22.17 °C	1.00 mS/cm	0.66 mg/L	50.64 NTU	-66.3 mV	17.31 ft	50.00 ml/min
8/9/2022 7:55 AM	09:00	6.59 pH	22.13 °C	0.99 mS/cm	0.63 mg/L	39.23 NTU	-79.9 mV	17.31 ft	50.00 ml/min
8/9/2022 7:58 AM	12:00	6.59 pH	22.14 °C	0.99 mS/cm	0.61 mg/L	36.61 NTU	-80.8 mV	17.31 ft	50.00 ml/min
8/9/2022 8:01 AM	15:00	6.60 pH	22.17 °C	0.99 mS/cm	0.57 mg/L	33.24 NTU	-80.7 mV	17.31 ft	50.00 ml/min

Samples

Sample ID:	Description:
MW-23	3 VOC VOAs

Low-Flow Test Report:

Test Date / Time: 8/8/2022 11:17:04 AM
Project: HRID 3Q2022 MW-24
Operator Name: Danielle Richardson

Location Name: HRID MW-24 **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 11 ft** **Total Depth: 21.8 ft** **Initial Depth to Water: 18.31 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 20 ft** **Estimated Total Volume Pumped: 4883.333 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/8/2022 11:17 AM	00:00	7.14 pH	62.38 °F	904.72 µS/cm	0.32 mg/L	3,218.8 NTU	90.8 mV	18.31 ft	200.00 ml/min
8/8/2022 11:18 AM	01:00	7.10 pH	60.69 °F	890.39 µS/cm	0.32 mg/L	1,542.6 NTU	94.4 mV	18.31 ft	200.00 ml/min
8/8/2022 11:19 AM	02:00	7.09 pH	60.12 °F	882.80 µS/cm	0.33 mg/L	651.35 NTU	96.8 mV	18.31 ft	200.00 ml/min
8/8/2022 11:20 AM	03:00	7.09 pH	59.81 °F	872.06 µS/cm	0.30 mg/L	361.32 NTU	98.2 mV	18.31 ft	200.00 ml/min
8/8/2022 11:21 AM	04:00	7.09 pH	59.80 °F	868.76 µS/cm	0.31 mg/L	261.84 NTU	99.7 mV	18.31 ft	200.00 ml/min
8/8/2022 11:22 AM	05:00	7.09 pH	59.82 °F	861.13 µS/cm	0.30 mg/L	177.02 NTU	100.2 mV	18.31 ft	200.00 ml/min
8/8/2022 11:23 AM	06:00	7.08 pH	59.63 °F	858.52 µS/cm	0.30 mg/L	151.41 NTU	101.2 mV	18.31 ft	200.00 ml/min
8/8/2022 11:24 AM	07:00	7.09 pH	59.56 °F	854.78 µS/cm	0.29 mg/L	171.65 NTU	101.5 mV	18.31 ft	200.00 ml/min
8/8/2022 11:25 AM	08:00	7.10 pH	59.59 °F	850.53 µS/cm	0.28 mg/L	135.03 NTU	101.7 mV	18.31 ft	200.00 ml/min
8/8/2022 11:26 AM	09:00	7.10 pH	59.55 °F	846.07 µS/cm	0.28 mg/L	126.27 NTU	101.7 mV	18.31 ft	200.00 ml/min
8/8/2022 11:27 AM	10:00	7.10 pH	59.77 °F	840.97 µS/cm	0.27 mg/L	135.19 NTU	102.0 mV	18.31 ft	200.00 ml/min
8/8/2022 11:28 AM	11:00	7.11 pH	59.89 °F	835.94 µS/cm	0.25 mg/L	140.78 NTU	101.7 mV	18.31 ft	200.00 ml/min
8/8/2022 11:29 AM	12:00	7.11 pH	60.43 °F	834.06 µS/cm	0.24 mg/L	160.80 NTU	101.7 mV	18.31 ft	200.00 ml/min
8/8/2022 11:30 AM	13:00	7.12 pH	60.49 °F	834.39 µS/cm	0.23 mg/L	134.55 NTU	101.4 mV	18.31 ft	200.00 ml/min
8/8/2022 11:31 AM	14:00	7.10 pH	60.77 °F	839.12 µS/cm	0.24 mg/L	131.77 NTU	102.1 mV	18.31 ft	200.00 ml/min

8/8/2022 11:32 AM	15:00	7.10 pH	60.43 °F	840.21 µS/cm	0.23 mg/L	94.25 NTU	102.0 mV	18.31 ft	200.00 ml/min
8/8/2022 11:33 AM	16:00	7.09 pH	60.06 °F	840.80 µS/cm	0.22 mg/L	64.91 NTU	102.6 mV	18.31 ft	200.00 ml/min
8/8/2022 11:34 AM	17:00	7.10 pH	60.04 °F	838.96 µS/cm	0.20 mg/L	63.26 NTU	102.2 mV	18.31 ft	200.00 ml/min
8/8/2022 11:35 AM	18:00	7.11 pH	59.95 °F	832.33 µS/cm	0.19 mg/L	84.58 NTU	102.0 mV	18.31 ft	200.00 ml/min
8/8/2022 11:36 AM	19:00	7.10 pH	60.64 °F	827.77 µS/cm	0.21 mg/L	83.34 NTU	102.3 mV	18.31 ft	200.00 ml/min
8/8/2022 11:37 AM	20:00	7.11 pH	60.28 °F	822.29 µS/cm	0.19 mg/L	74.02 NTU	102.2 mV	18.31 ft	200.00 ml/min
8/8/2022 11:38 AM	21:00	7.11 pH	60.10 °F	828.09 µS/cm	0.23 mg/L	54.60 NTU	102.1 mV	18.31 ft	200.00 ml/min
8/8/2022 11:39 AM	22:00	7.11 pH	60.23 °F	830.83 µS/cm	0.23 mg/L	44.81 NTU	102.4 mV	18.31 ft	200.00 ml/min
8/8/2022 11:40 AM	23:00	7.11 pH	60.18 °F	826.57 µS/cm	0.20 mg/L	39.86 NTU	102.5 mV	18.31 ft	200.00 ml/min
8/8/2022 11:40 AM	23:25	7.11 pH	60.11 °F	824.75 µS/cm	0.20 mg/L	44.68 NTU	102.6 mV	18.31 ft	200.00 ml/min
8/8/2022 11:41 AM	24:25	7.12 pH	60.14 °F	824.81 µS/cm	0.21 mg/L	39.50 NTU	102.2 mV	18.31 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-24	VOCs

Low-Flow Test Report:

Test Date / Time: 8/8/2022 2:45:52 PM
Project: HRID 3Q2022 MW-25
Operator Name: Danielle Richardson

Location Name: HRID MW-25 **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 13 ft** **Total Depth: 23.6 ft** **Initial Depth to Water: 17.22 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 20 ft** **Estimated Total Volume Pumped: 5200 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:
Dup A

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/8/2022 2:45 PM	00:00	7.24 pH	61.17 °F	893.30 µS/cm	0.12 mg/L	1,849.2 NTU	-77.3 mV	17.22 ft	200.00 ml/min
8/8/2022 2:46 PM	01:00	7.24 pH	59.34 °F	866.58 µS/cm	0.07 mg/L	796.74 NTU	-82.5 mV	17.22 ft	200.00 ml/min
8/8/2022 2:47 PM	02:00	7.24 pH	58.87 °F	847.10 µS/cm	0.06 mg/L	429.80 NTU	-85.2 mV	17.22 ft	200.00 ml/min
8/8/2022 2:48 PM	03:00	7.23 pH	59.60 °F	833.66 µS/cm	0.08 mg/L	273.32 NTU	-86.4 mV	17.22 ft	200.00 ml/min
8/8/2022 2:49 PM	04:00	7.24 pH	58.97 °F	821.58 µS/cm	0.05 mg/L	146.59 NTU	-87.4 mV	17.22 ft	200.00 ml/min
8/8/2022 2:50 PM	05:00	7.24 pH	58.67 °F	813.67 µS/cm	0.04 mg/L	102.56 NTU	-88.0 mV	17.22 ft	200.00 ml/min
8/8/2022 2:51 PM	06:00	7.23 pH	60.11 °F	1.29 µS/cm	2.67 mg/L	0.34 NTU	-86.3 mV	17.22 ft	200.00 ml/min
8/8/2022 2:52 PM	07:00	7.26 pH	62.78 °F	810.76 µS/cm	3.48 mg/L	805.61 NTU	-77.8 mV	17.22 ft	200.00 ml/min
8/8/2022 2:53 PM	08:00	7.23 pH	60.51 °F	811.10 µS/cm	0.65 mg/L	162.69 NTU	-79.0 mV	17.22 ft	200.00 ml/min
8/8/2022 2:54 PM	09:00	7.24 pH	59.19 °F	805.06 µS/cm	0.16 mg/L	140.54 NTU	-80.7 mV	17.22 ft	200.00 ml/min
8/8/2022 2:55 PM	10:00	7.24 pH	58.49 °F	802.23 µS/cm	0.08 mg/L	72.20 NTU	-81.9 mV	17.22 ft	200.00 ml/min
8/8/2022 2:56 PM	11:00	7.24 pH	58.27 °F	800.31 µS/cm	0.06 mg/L	36.79 NTU	-82.3 mV	17.22 ft	200.00 ml/min
8/8/2022 2:57 PM	12:00	7.24 pH	58.19 °F	795.22 µS/cm	0.05 mg/L	21.81 NTU	-82.7 mV	17.22 ft	200.00 ml/min
8/8/2022 2:58 PM	13:00	7.23 pH	58.13 °F	795.15 µS/cm	0.04 mg/L	13.21 NTU	-82.8 mV	17.22 ft	200.00 ml/min
8/8/2022 2:59 PM	14:00	7.24 pH	58.07 °F	789.24 µS/cm	0.04 mg/L	15.87 NTU	-83.2 mV	17.22 ft	200.00 ml/min

8/8/2022 3:00 PM	15:00	7.23 pH	58.11 °F	786.08 µS/cm	0.03 mg/L	21.41 NTU	-83.5 mV	17.22 ft	200.00 ml/min
8/8/2022 3:01 PM	16:00	7.23 pH	57.83 °F	788.79 µS/cm	0.02 mg/L	17.42 NTU	-83.5 mV	17.22 ft	200.00 ml/min
8/8/2022 3:02 PM	17:00	7.24 pH	57.60 °F	783.64 µS/cm	0.01 mg/L	11.46 NTU	-83.8 mV	17.22 ft	200.00 ml/min
8/8/2022 3:03 PM	18:00	7.24 pH	57.57 °F	784.01 µS/cm	0.01 mg/L	115.34 NTU	-83.6 mV	17.22 ft	200.00 ml/min
8/8/2022 3:04 PM	19:00	7.24 pH	57.84 °F	783.60 µS/cm	0.16 mg/L	69.00 NTU	-82.4 mV	17.22 ft	200.00 ml/min
8/8/2022 3:05 PM	20:00	7.23 pH	57.88 °F	779.01 µS/cm	0.02 mg/L	37.28 NTU	-82.6 mV	17.22 ft	200.00 ml/min
8/8/2022 3:06 PM	21:00	7.22 pH	58.87 °F	1.25 µS/cm	1.87 mg/L	0.31 NTU	-81.2 mV	17.22 ft	200.00 ml/min
8/8/2022 3:07 PM	22:00	7.21 pH	58.31 °F	787.40 µS/cm	0.51 mg/L	66.44 NTU	-78.6 mV	17.22 ft	200.00 ml/min
8/8/2022 3:08 PM	23:00	7.22 pH	57.73 °F	783.76 µS/cm	0.05 mg/L	36.73 NTU	-79.6 mV	17.22 ft	200.00 ml/min
8/8/2022 3:09 PM	24:00	7.22 pH	57.77 °F	782.41 µS/cm	0.01 mg/L	13.02 NTU	-80.5 mV	17.22 ft	200.00 ml/min
8/8/2022 3:10 PM	25:00	7.22 pH	58.14 °F	779.53 µS/cm	0.01 mg/L	6.12 NTU	-80.5 mV	17.22 ft	200.00 ml/min
8/8/2022 3:11 PM	26:00	7.22 pH	58.33 °F	780.16 µS/cm	0.01 mg/L	0.26 NTU	-80.9 mV	17.22 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-25	VOCs

Low-Flow Test Report:

Test Date / Time: 8/10/2022 3:39:59 PM
Project: HRID 3Q2022 MW-29
Operator Name: Danielle Richardson

Location Name: HRID MW-29 **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 7 ft** **Total Depth: 17.6 ft** **Initial Depth to Water: 11.75 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 14 ft** **Estimated Total Volume Pumped: 4200 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:
Grey color, petroleum odor

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/10/2022 3:39 PM	00:00	6.95 pH	80.77 °F	749.32 µS/cm	1.46 mg/L	3,051.3 NTU	-8.2 mV	11.75 ft	200.00 ml/min
8/10/2022 3:40 PM	01:00	7.08 pH	66.60 °F	717.76 µS/cm	0.11 mg/L	1,744.3 NTU	-30.9 mV	11.75 ft	200.00 ml/min
8/10/2022 3:41 PM	02:00	7.06 pH	65.98 °F	729.83 µS/cm	0.03 mg/L	1,546.2 NTU	-43.2 mV	11.75 ft	200.00 ml/min
8/10/2022 3:42 PM	03:00	7.09 pH	66.22 °F	740.84 µS/cm	0.03 mg/L	2,848.1 NTU	-50.9 mV	11.75 ft	200.00 ml/min
8/10/2022 3:43 PM	04:00	7.13 pH	63.96 °F	736.76 µS/cm	0.01 mg/L	3,674.1 NTU	-56.8 mV	11.75 ft	200.00 ml/min
8/10/2022 3:44 PM	05:00	7.13 pH	63.00 °F	743.22 µS/cm	0.00 mg/L	2,898.5 NTU	-60.4 mV	11.75 ft	200.00 ml/min
8/10/2022 3:45 PM	06:00	7.13 pH	62.43 °F	747.19 µS/cm	0.01 mg/L	1,502.5 NTU	-62.5 mV	11.75 ft	200.00 ml/min
8/10/2022 3:46 PM	07:00	7.13 pH	62.26 °F	747.73 µS/cm	0.01 mg/L	822.69 NTU	-64.5 mV	11.75 ft	200.00 ml/min
8/10/2022 3:47 PM	08:00	7.14 pH	61.73 °F	747.97 µS/cm	0.01 mg/L	481.06 NTU	-66.3 mV	11.75 ft	200.00 ml/min
8/10/2022 3:48 PM	09:00	7.13 pH	61.63 °F	746.21 µS/cm	0.02 mg/L	295.77 NTU	-67.6 mV	11.75 ft	200.00 ml/min
8/10/2022 3:49 PM	10:00	7.14 pH	61.49 °F	745.96 µS/cm	0.01 mg/L	189.11 NTU	-69.3 mV	11.75 ft	200.00 ml/min
8/10/2022 3:50 PM	11:00	7.14 pH	61.40 °F	746.45 µS/cm	0.01 mg/L	118.70 NTU	-69.9 mV	11.75 ft	200.00 ml/min
8/10/2022 3:51 PM	12:00	7.13 pH	61.26 °F	748.53 µS/cm	0.01 mg/L	80.67 NTU	-70.5 mV	11.75 ft	200.00 ml/min
8/10/2022 3:52 PM	13:00	7.14 pH	60.93 °F	747.20 µS/cm	0.01 mg/L	78.22 NTU	-71.4 mV	11.75 ft	200.00 ml/min
8/10/2022 3:53 PM	14:00	7.13 pH	60.92 °F	747.67 µS/cm	0.01 mg/L	89.01 NTU	-71.9 mV	11.75 ft	200.00 ml/min

8/10/2022 3:54 PM	15:00	7.13 pH	60.84 °F	745.08 µS/cm	0.01 mg/L	88.65 NTU	-72.3 mV	11.75 ft	200.00 ml/min
8/10/2022 3:55 PM	16:00	7.12 pH	60.78 °F	745.88 µS/cm	0.01 mg/L	79.15 NTU	-72.5 mV	11.75 ft	200.00 ml/min
8/10/2022 3:56 PM	17:00	7.11 pH	60.77 °F	743.68 µS/cm	0.01 mg/L	66.65 NTU	-72.3 mV	11.75 ft	200.00 ml/min
8/10/2022 3:57 PM	18:00	7.10 pH	60.81 °F	743.99 µS/cm	0.01 mg/L	58.78 NTU	-72.1 mV	11.75 ft	200.00 ml/min
8/10/2022 3:58 PM	19:00	7.08 pH	60.70 °F	743.11 µS/cm	0.00 mg/L	54.91 NTU	-71.7 mV	11.75 ft	200.00 ml/min
8/10/2022 3:59 PM	20:00	7.07 pH	60.74 °F	741.81 µS/cm	0.00 mg/L	73.75 NTU	-71.1 mV	11.75 ft	200.00 ml/min
8/10/2022 4:00 PM	21:00	7.04 pH	60.69 °F	742.57 µS/cm	0.00 mg/L	66.65 NTU	-70.2 mV	11.75 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-29	VOCs

Low-Flow Test Report:

Test Date / Time: 8/10/2022 12:29:13 PM
Project: HRID 3Q2022 MW-29D
Operator Name: Danielle Richardson

Location Name: HRID MW-29D **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 31 ft** **Total Depth: 41 ft** **Initial Depth to Water: 11.93 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 26 ft** **Estimated Total Volume Pumped: 4600 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/10/2022 12:29 PM	00:00	7.51 pH	67.09 °F	554.11 µS/cm	1.23 mg/L	7.48 NTU	31.8 mV	11.93 ft	200.00 ml/min
8/10/2022 12:30 PM	01:00	7.37 pH	61.22 °F	566.63 µS/cm	0.32 mg/L	2.53 NTU	35.3 mV	11.93 ft	200.00 ml/min
8/10/2022 12:31 PM	02:00	7.31 pH	59.70 °F	570.87 µS/cm	0.20 mg/L	1.62 NTU	34.2 mV	11.93 ft	200.00 ml/min
8/10/2022 12:32 PM	03:00	7.27 pH	59.26 °F	572.01 µS/cm	0.16 mg/L	1.26 NTU	31.9 mV	11.93 ft	200.00 ml/min
8/10/2022 12:33 PM	04:00	7.25 pH	58.82 °F	571.66 µS/cm	0.13 mg/L	1.45 NTU	29.2 mV	11.93 ft	200.00 ml/min
8/10/2022 12:34 PM	05:00	7.24 pH	58.62 °F	572.46 µS/cm	0.11 mg/L	3.69 NTU	27.1 mV	11.93 ft	200.00 ml/min
8/10/2022 12:35 PM	06:00	7.22 pH	58.74 °F	573.86 µS/cm	0.10 mg/L	6.59 NTU	26.0 mV	11.93 ft	200.00 ml/min
8/10/2022 12:36 PM	07:00	7.20 pH	58.69 °F	575.55 µS/cm	0.09 mg/L	7.55 NTU	25.0 mV	11.93 ft	200.00 ml/min
8/10/2022 12:37 PM	08:00	7.20 pH	58.46 °F	578.12 µS/cm	0.07 mg/L	5.48 NTU	23.3 mV	11.93 ft	200.00 ml/min
8/10/2022 12:38 PM	09:00	7.19 pH	58.34 °F	578.75 µS/cm	0.07 mg/L	4.85 NTU	21.0 mV	11.93 ft	200.00 ml/min
8/10/2022 12:39 PM	10:00	7.19 pH	58.31 °F	579.37 µS/cm	0.06 mg/L	3.47 NTU	19.1 mV	11.93 ft	200.00 ml/min
8/10/2022 12:40 PM	11:00	7.17 pH	58.32 °F	580.02 µS/cm	0.05 mg/L	3.83 NTU	17.8 mV	11.93 ft	200.00 ml/min
8/10/2022 12:41 PM	12:00	7.18 pH	58.31 °F	579.64 µS/cm	0.05 mg/L	2.84 NTU	15.8 mV	11.93 ft	200.00 ml/min
8/10/2022 12:42 PM	13:00	7.18 pH	58.24 °F	579.89 µS/cm	0.04 mg/L	2.28 NTU	14.1 mV	11.93 ft	200.00 ml/min
8/10/2022 12:43 PM	14:00	7.16 pH	58.24 °F	580.67 µS/cm	0.04 mg/L	1.92 NTU	13.1 mV	11.93 ft	200.00 ml/min

8/10/2022 12:44 PM	15:00	7.16 pH	58.24 °F	580.97 µS/cm	0.04 mg/L	1.71 NTU	11.6 mV	11.93 ft	200.00 ml/min
8/10/2022 12:45 PM	16:00	7.16 pH	58.29 °F	580.99 µS/cm	0.03 mg/L	1.34 NTU	10.3 mV	11.93 ft	200.00 ml/min
8/10/2022 12:46 PM	17:00	7.16 pH	58.28 °F	581.15 µS/cm	0.03 mg/L	1.21 NTU	8.8 mV	11.93 ft	200.00 ml/min
8/10/2022 12:47 PM	18:00	7.16 pH	58.27 °F	580.27 µS/cm	0.03 mg/L	0.99 NTU	8.2 mV	11.93 ft	200.00 ml/min
8/10/2022 12:48 PM	19:00	7.16 pH	58.22 °F	580.24 µS/cm	0.03 mg/L	0.91 NTU	7.2 mV	11.93 ft	200.00 ml/min
8/10/2022 12:49 PM	20:00	7.15 pH	58.20 °F	580.63 µS/cm	0.02 mg/L	1.46 NTU	6.9 mV	11.93 ft	200.00 ml/min
8/10/2022 12:50 PM	21:00	7.15 pH	58.25 °F	580.68 µS/cm	0.02 mg/L	0.78 NTU	6.0 mV	11.93 ft	200.00 ml/min
8/10/2022 12:51 PM	22:00	7.15 pH	58.26 °F	581.04 µS/cm	0.02 mg/L	0.74 NTU	5.0 mV	11.93 ft	200.00 ml/min
8/10/2022 12:52 PM	23:00	7.15 pH	58.27 °F	581.44 µS/cm	0.02 mg/L	0.74 NTU	4.5 mV	11.93 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-29D	VOCs

Low-Flow Test Report:

Test Date / Time: 8/9/2022 9:32:30 AM
Project: Reed Manufacturing
Operator Name: E. Finkel

Location Name: MW-30 Patriot **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 4 ft** **Total Depth: 14.29 ft** **Initial Depth to Water: 11.64 ft**	**Pump Type: Bladder** **Tubing Type: Bonded LDPE** **Pump Intake From TOC: 12.5 ft** **Estimated Total Volume Pumped: 3600 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 814363**

Test Notes:
13.5/1.5
15psi
Dark visible particles
Slight odor

Sample 1011

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
8/9/2022 9:32 AM	00:00	7.16 pH	18.94 °C	0.92 mS/cm	0.38 mg/L	154.06 NTU	-104.5 mV	11.64 ft	100.00 ml/min
8/9/2022 9:35 AM	03:00	7.18 pH	18.73 °C	0.92 mS/cm	0.25 mg/L	87.64 NTU	-109.6 mV	11.64 ft	100.00 ml/min
8/9/2022 9:38 AM	06:00	7.19 pH	18.85 °C	0.92 mS/cm	0.23 mg/L	64.97 NTU	-112.2 mV	11.64 ft	100.00 ml/min
8/9/2022 9:41 AM	09:00	7.21 pH	18.75 °C	0.92 mS/cm	0.19 mg/L	44.90 NTU	-114.2 mV	11.64 ft	100.00 ml/min
8/9/2022 9:44 AM	12:00	7.22 pH	18.61 °C	0.92 mS/cm	0.14 mg/L	35.51 NTU	-116.6 mV	11.64 ft	100.00 ml/min
8/9/2022 9:47 AM	15:00	7.22 pH	18.42 °C	0.92 mS/cm	0.13 mg/L	45.37 NTU	-117.7 mV	11.64 ft	100.00 ml/min
8/9/2022 9:50 AM	18:00	7.22 pH	18.42 °C	0.92 mS/cm	0.12 mg/L	25.98 NTU	-118.4 mV	11.64 ft	100.00 ml/min
8/9/2022 9:53 AM	21:00	7.23 pH	18.17 °C	0.92 mS/cm	0.12 mg/L	22.51 NTU	-119.7 mV	11.64 ft	100.00 ml/min
8/9/2022 9:56 AM	24:00	7.23 pH	17.96 °C	0.92 mS/cm	0.12 mg/L	17.55 NTU	-120.6 mV	11.64 ft	100.00 ml/min
8/9/2022 9:59 AM	27:00	7.24 pH	17.96 °C	0.92 mS/cm	0.12 mg/L	15.31 NTU	-121.3 mV	11.64 ft	100.00 ml/min
8/9/2022 10:02 AM	30:00	7.24 pH	18.05 °C	0.92 mS/cm	0.12 mg/L	11.41 NTU	-121.8 mV	11.64 ft	100.00 ml/min
8/9/2022 10:05 AM	33:00	7.25 pH	17.99 °C	0.92 mS/cm	0.12 mg/L	10.66 NTU	-122.5 mV	11.64 ft	100.00 ml/min

8/9/2022 10:08 AM	36:00	7.25 pH	17.99 °C	0.92 mS/cm	0.12 mg/L	10.93 NTU	-123.1 mV	11.64 ft	100.00 ml/min

Samples

Sample ID:	Description:
W-30	3 VOAs

Low-Flow Test Report:

Test Date / Time: 8/8/2022 1:54:00 PM
Project: Reed Manufacturing
Operator Name: E. Finkel

Location Name: MW-31 Patriot **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 20 ft** **Top of Screen: 5 ft** **Total Depth: 29.82 ft** **Initial Depth to Water: 10.75 ft**	**Pump Type: Bladder** **Tubing Type: Bonded LDPE** **Pump Intake From TOC: 15 ft** **Estimated Total Volume Pumped: 6000 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 600** **Serial Number: 814363**

Test Notes:
14/1
20psi
Clear
No odor
Sampled 1457

Weather Conditions:
88F
Partly cloudy

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10	+/- 0.5	
8/8/2022 1:54 PM	00:00	7.71 pH	29.08 °C	0.29 mS/cm	7.97 mg/L	2.94 NTU	19.5 mV	10.75 ft	100.00 ml/min
8/8/2022 1:57 PM	03:00	7.78 pH	25.90 °C	0.56 mS/cm	1.28 mg/L	35.80 NTU	-90.4 mV	10.75 ft	100.00 ml/min
8/8/2022 2:00 PM	06:00	7.80 pH	25.21 °C	0.56 mS/cm	0.75 mg/L	31.92 NTU	-109.7 mV	10.75 ft	100.00 ml/min
8/8/2022 2:03 PM	09:00	7.81 pH	24.40 °C	0.55 mS/cm	0.50 mg/L	29.35 NTU	-118.5 mV	10.75 ft	100.00 ml/min
8/8/2022 2:06 PM	12:00	7.83 pH	23.88 °C	0.56 mS/cm	0.35 mg/L	35.30 NTU	-125.6 mV	10.75 ft	100.00 ml/min
8/8/2022 2:09 PM	15:00	7.84 pH	23.66 °C	0.56 mS/cm	0.28 mg/L	48.86 NTU	-131.5 mV	10.75 ft	100.00 ml/min
8/8/2022 2:12 PM	18:00	7.85 pH	23.53 °C	0.56 mS/cm	0.26 mg/L	59.45 NTU	-135.7 mV	10.75 ft	100.00 ml/min
8/8/2022 2:15 PM	21:00	7.86 pH	23.05 °C	0.55 mS/cm	0.22 mg/L	65.10 NTU	-137.7 mV	10.75 ft	100.00 ml/min
8/8/2022 2:18 PM	24:00	7.86 pH	23.26 °C	0.55 mS/cm	0.19 mg/L	83.14 NTU	-141.3 mV	10.75 ft	100.00 ml/min
8/8/2022 2:21 PM	27:00	7.86 pH	23.65 °C	0.55 mS/cm	0.17 mg/L	98.63 NTU	-144.5 mV	10.75 ft	100.00 ml/min

8/8/2022 2:24 PM	30:00	7.87 pH	23.63 °C	0.55 mS/cm	0.14 mg/L	114.10 NTU	-148.0 mV	10.75 ft	100.00 ml/min
8/8/2022 2:27 PM	33:00	7.87 pH	23.64 °C	0.55 mS/cm	0.13 mg/L	107.20 NTU	-150.5 mV	10.75 ft	100.00 ml/min
8/8/2022 2:30 PM	36:00	7.88 pH	23.67 °C	0.55 mS/cm	0.13 mg/L	106.82 NTU	-152.8 mV	10.75 ft	100.00 ml/min
8/8/2022 2:33 PM	39:00	7.89 pH	23.74 °C	0.55 mS/cm	0.11 mg/L	62.24 NTU	-157.6 mV	10.75 ft	100.00 ml/min
8/8/2022 2:36 PM	42:00	7.89 pH	23.67 °C	0.55 mS/cm	0.10 mg/L	55.19 NTU	-159.4 mV	10.75 ft	100.00 ml/min
8/8/2022 2:39 PM	45:00	7.90 pH	23.36 °C	0.55 mS/cm	0.09 mg/L	50.10 NTU	-160.4 mV	10.75 ft	100.00 ml/min
8/8/2022 2:42 PM	48:00	7.90 pH	23.40 °C	0.55 mS/cm	0.08 mg/L	57.88 NTU	-161.3 mV	10.75 ft	100.00 ml/min
8/8/2022 2:45 PM	51:00	7.89 pH	23.58 °C	0.55 mS/cm	0.07 mg/L	58.60 NTU	-162.5 mV	10.75 ft	100.00 ml/min
8/8/2022 2:48 PM	54:00	7.91 pH	23.25 °C	0.54 mS/cm	0.06 mg/L	32.81 NTU	-163.5 mV	10.75 ft	100.00 ml/min
8/8/2022 2:51 PM	57:00	7.89 pH	23.14 °C	0.54 mS/cm	0.06 mg/L	20.83 NTU	-163.8 mV	10.75 ft	100.00 ml/min
8/8/2022 2:54 PM	01:00:00	7.90 pH	23.15 °C	0.54 mS/cm	0.05 mg/L	22.32 NTU	-166.5 mV	10.75 ft	100.00 ml/min

Samples

Sample ID:	Description:
MW-31	3 VOAs

Low-Flow Test Report:

Test Date / Time: 8/8/2022 1:48:20 PM
Project: HRID 3Q2022 MW-32
Operator Name: Danielle Richardson

Location Name: HRID MW-32 **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 23 ft** **Total Depth: 33 ft** **Initial Depth to Water: 17.62 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 26 ft** **Estimated Total Volume Pumped: 12230 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/8/2022 1:48 PM	00:00	7.57 pH	68.93 °F	681.04 µS/cm	2.14 mg/L	11.35 NTU	209.9 mV	17.62 ft	300.00 ml/min
8/8/2022 1:49 PM	01:00	7.35 pH	68.57 °F	706.48 µS/cm	0.61 mg/L	1.41 NTU	213.8 mV	17.62 ft	300.00 ml/min
8/8/2022 1:50 PM	02:00	7.30 pH	64.09 °F	707.30 µS/cm	0.30 mg/L	2.01 NTU	216.8 mV	17.62 ft	300.00 ml/min
8/8/2022 1:52 PM	03:42	7.25 pH	60.22 °F	717.25 µS/cm	0.21 mg/L	93.25 NTU	218.9 mV	17.62 ft	300.00 ml/min
8/8/2022 1:57 PM	08:46	7.21 pH	59.09 °F	719.30 µS/cm	0.10 mg/L	700.59 NTU	217.6 mV	17.62 ft	300.00 ml/min
8/8/2022 1:58 PM	09:46	7.21 pH	59.20 °F	718.86 µS/cm	0.08 mg/L	618.03 NTU	217.3 mV	17.62 ft	300.00 ml/min
8/8/2022 1:59 PM	10:46	7.20 pH	59.66 °F	717.52 µS/cm	0.09 mg/L	576.58 NTU	217.1 mV	17.62 ft	300.00 ml/min
8/8/2022 2:00 PM	11:46	7.20 pH	60.69 °F	718.15 µS/cm	0.08 mg/L	512.20 NTU	215.5 mV	17.62 ft	300.00 ml/min
8/8/2022 2:01 PM	12:46	7.19 pH	60.33 °F	715.01 µS/cm	0.07 mg/L	467.56 NTU	215.8 mV	17.62 ft	300.00 ml/min
8/8/2022 2:02 PM	13:46	7.21 pH	59.19 °F	711.62 µS/cm	0.07 mg/L	402.06 NTU	214.7 mV	17.62 ft	300.00 ml/min
8/8/2022 2:03 PM	14:46	7.21 pH	59.45 °F	711.64 µS/cm	0.06 mg/L	415.62 NTU	213.5 mV	17.62 ft	300.00 ml/min
8/8/2022 2:04 PM	15:46	7.19 pH	60.71 °F	711.78 µS/cm	0.07 mg/L	350.96 NTU	212.9 mV	17.62 ft	300.00 ml/min
8/8/2022 2:05 PM	16:46	7.19 pH	59.77 °F	709.13 µS/cm	0.06 mg/L	290.14 NTU	212.8 mV	17.62 ft	300.00 ml/min
8/8/2022 2:06 PM	17:46	7.19 pH	60.10 °F	708.15 µS/cm	0.06 mg/L	221.67 NTU	211.3 mV	17.62 ft	300.00 ml/min
8/8/2022 2:07 PM	18:46	7.19 pH	60.80 °F	709.92 µS/cm	0.06 mg/L	193.74 NTU	210.0 mV	17.62 ft	300.00 ml/min

8/8/2022 2:08 PM	19:46	7.20 pH	60.24 °F	708.19 µS/cm	0.06 mg/L	179.28 NTU	208.2 mV	17.62 ft	300.00 ml/min
8/8/2022 2:09 PM	20:46	7.21 pH	62.45 °F	709.68 µS/cm	1.99 mg/L	205.91 NTU	206.5 mV	17.62 ft	300.00 ml/min
8/8/2022 2:10 PM	21:46	7.21 pH	62.18 °F	710.28 µS/cm	0.36 mg/L	95.73 NTU	204.8 mV	17.62 ft	300.00 ml/min
8/8/2022 2:11 PM	22:46	7.20 pH	65.36 °F	715.50 µS/cm	0.98 mg/L	149.47 NTU	203.2 mV	17.62 ft	300.00 ml/min
8/8/2022 2:12 PM	23:46	7.20 pH	67.12 °F	716.50 µS/cm	0.55 mg/L	126.36 NTU	201.5 mV	17.62 ft	300.00 ml/min
8/8/2022 2:13 PM	24:46	7.18 pH	69.13 °F	723.38 µS/cm	0.53 mg/L	111.17 NTU	200.2 mV	17.62 ft	300.00 ml/min
8/8/2022 2:14 PM	25:46	7.17 pH	71.43 °F	724.13 µS/cm	0.73 mg/L	139.05 NTU	198.9 mV	17.62 ft	300.00 ml/min
8/8/2022 2:15 PM	26:46	7.21 pH	66.74 °F	698.59 µS/cm	0.28 mg/L	129.56 NTU	198.5 mV	17.62 ft	300.00 ml/min
8/8/2022 2:16 PM	27:46	7.21 pH	62.55 °F	700.72 µS/cm	0.14 mg/L	111.66 NTU	198.7 mV	17.62 ft	300.00 ml/min
8/8/2022 2:17 PM	28:46	7.23 pH	64.65 °F	710.75 µS/cm	2.01 mg/L	124.24 NTU	194.9 mV	17.62 ft	300.00 ml/min
8/8/2022 2:18 PM	29:46	7.20 pH	66.04 °F	714.49 µS/cm	0.89 mg/L	131.77 NTU	194.5 mV	17.62 ft	300.00 ml/min
8/8/2022 2:19 PM	30:46	7.19 pH	63.45 °F	700.73 µS/cm	0.56 mg/L	80.15 NTU	194.9 mV	17.62 ft	300.00 ml/min
8/8/2022 2:20 PM	31:46	7.21 pH	57.75 °F	700.40 µS/cm	0.09 mg/L	59.41 NTU	194.0 mV	17.62 ft	300.00 ml/min
8/8/2022 2:21 PM	32:46	7.22 pH	56.97 °F	707.41 µS/cm	1.72 mg/L	61.39 NTU	191.9 mV	17.62 ft	300.00 ml/min
8/8/2022 2:22 PM	33:46	7.20 pH	55.73 °F	704.70 µS/cm	0.10 mg/L	228.96 NTU	191.4 mV	17.62 ft	300.00 ml/min
8/8/2022 2:23 PM	34:46	7.19 pH	57.62 °F	705.73 µS/cm	0.06 mg/L	271.95 NTU	187.6 mV	17.62 ft	300.00 ml/min
8/8/2022 2:24 PM	35:46	7.20 pH	57.98 °F	702.85 µS/cm	0.05 mg/L	305.50 NTU	184.1 mV	17.62 ft	300.00 ml/min
8/8/2022 2:25 PM	36:46	7.20 pH	59.83 °F	706.93 µS/cm	0.46 mg/L	355.80 NTU	180.2 mV	17.62 ft	300.00 ml/min
8/8/2022 2:26 PM	37:46	7.19 pH	61.08 °F	704.87 µS/cm	0.18 mg/L	276.41 NTU	177.6 mV	17.62 ft	300.00 ml/min
8/8/2022 2:27 PM	38:46	7.17 pH	61.59 °F	701.78 µS/cm	0.10 mg/L	243.59 NTU	175.9 mV	17.62 ft	300.00 ml/min
8/8/2022 2:28 PM	39:46	7.20 pH	60.17 °F	701.15 µS/cm	0.07 mg/L	231.96 NTU	172.4 mV	17.62 ft	300.00 ml/min
8/8/2022 2:29 PM	40:46	7.19 pH	60.70 °F	702.09 µS/cm	0.08 mg/L	209.98 NTU	168.8 mV	17.62 ft	300.00 ml/min

Samples

Sample ID:	Description:
MW-32	VOCs

Low-Flow Test Report:

Test Date / Time: 8/9/2022 9:45:13 AM
Project: HRID 3Q2022 MW-33
Operator Name: Danielle Richardson

Location Name: HRID MW-33 **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 16 ft** **Total Depth: 26.1 ft** **Initial Depth to Water: 18.81 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 7600 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/9/2022 9:45 AM	00:00	7.28 pH	58.78 °F	639.12 µS/cm	0.36 mg/L	2,843.7 NTU	22.7 mV	18.81 ft	200.00 ml/min
8/9/2022 9:46 AM	01:00	7.24 pH	57.85 °F	642.31 µS/cm	0.13 mg/L	2,462.9 NTU	28.5 mV	18.81 ft	200.00 ml/min
8/9/2022 9:47 AM	02:00	7.21 pH	57.68 °F	643.56 µS/cm	0.09 mg/L	1,541.4 NTU	31.8 mV	18.81 ft	200.00 ml/min
8/9/2022 9:48 AM	03:00	7.20 pH	57.80 °F	643.61 µS/cm	0.08 mg/L	1,078.7 NTU	33.9 mV	18.81 ft	200.00 ml/min
8/9/2022 9:49 AM	04:00	7.19 pH	57.89 °F	643.68 µS/cm	0.08 mg/L	798.75 NTU	35.4 mV	18.81 ft	200.00 ml/min
8/9/2022 9:50 AM	05:00	7.19 pH	58.19 °F	643.97 µS/cm	0.07 mg/L	628.71 NTU	36.6 mV	18.81 ft	200.00 ml/min
8/9/2022 9:51 AM	06:00	7.17 pH	59.49 °F	646.93 µS/cm	0.08 mg/L	545.91 NTU	37.7 mV	18.81 ft	200.00 ml/min
8/9/2022 9:52 AM	07:00	7.15 pH	60.38 °F	645.05 µS/cm	0.10 mg/L	501.59 NTU	39.3 mV	18.81 ft	200.00 ml/min
8/9/2022 9:53 AM	08:00	7.14 pH	60.88 °F	645.97 µS/cm	0.11 mg/L	392.87 NTU	40.4 mV	18.81 ft	200.00 ml/min
8/9/2022 9:54 AM	09:00	7.12 pH	61.50 °F	645.96 µS/cm	0.12 mg/L	405.28 NTU	41.1 mV	18.81 ft	200.00 ml/min
8/9/2022 9:55 AM	10:00	7.12 pH	62.12 °F	647.06 µS/cm	0.13 mg/L	354.28 NTU	41.7 mV	18.81 ft	200.00 ml/min
8/9/2022 9:56 AM	11:00	7.09 pH	64.12 °F	651.31 µS/cm	0.17 mg/L	389.14 NTU	42.3 mV	18.81 ft	200.00 ml/min
8/9/2022 9:57 AM	12:00	7.09 pH	64.37 °F	650.87 µS/cm	0.19 mg/L	385.80 NTU	43.3 mV	18.81 ft	200.00 ml/min
8/9/2022 9:58 AM	13:00	7.08 pH	63.98 °F	646.97 µS/cm	0.20 mg/L	377.77 NTU	44.3 mV	18.81 ft	200.00 ml/min
8/9/2022 9:59 AM	14:00	7.08 pH	63.50 °F	645.00 µS/cm	0.20 mg/L	381.01 NTU	45.3 mV	18.81 ft	200.00 ml/min

8/9/2022 10:00 AM	15:00	7.08 pH	62.32 °F	642.81 µS/cm	0.17 mg/L	392.81 NTU	46.3 mV	18.81 ft	200.00 ml/min
8/9/2022 10:01 AM	16:00	7.08 pH	61.49 °F	642.74 µS/cm	0.15 mg/L	329.57 NTU	47.3 mV	18.81 ft	200.00 ml/min
8/9/2022 10:02 AM	17:00	7.07 pH	61.56 °F	644.09 µS/cm	0.13 mg/L	364.36 NTU	47.9 mV	18.81 ft	200.00 ml/min
8/9/2022 10:03 AM	18:00	7.06 pH	62.01 °F	645.23 µS/cm	0.13 mg/L	285.86 NTU	48.5 mV	18.81 ft	200.00 ml/min
8/9/2022 10:04 AM	19:00	7.06 pH	62.01 °F	644.75 µS/cm	0.15 mg/L	330.44 NTU	49.2 mV	18.81 ft	200.00 ml/min
8/9/2022 10:05 AM	20:00	7.07 pH	60.34 °F	643.40 µS/cm	0.11 mg/L	306.22 NTU	50.1 mV	18.81 ft	200.00 ml/min
8/9/2022 10:06 AM	21:00	7.06 pH	60.00 °F	644.04 µS/cm	0.07 mg/L	248.41 NTU	50.8 mV	18.81 ft	200.00 ml/min
8/9/2022 10:07 AM	22:00	7.06 pH	59.92 °F	644.42 µS/cm	0.06 mg/L	233.09 NTU	51.5 mV	18.81 ft	200.00 ml/min
8/9/2022 10:08 AM	23:00	7.06 pH	59.81 °F	644.36 µS/cm	0.05 mg/L	183.98 NTU	52.2 mV	18.81 ft	200.00 ml/min
8/9/2022 10:09 AM	24:00	7.05 pH	59.68 °F	644.08 µS/cm	0.05 mg/L	149.72 NTU	52.8 mV	18.81 ft	200.00 ml/min
8/9/2022 10:10 AM	25:00	7.05 pH	59.61 °F	644.29 µS/cm	0.05 mg/L	120.01 NTU	53.6 mV	18.81 ft	200.00 ml/min
8/9/2022 10:11 AM	26:00	7.04 pH	59.47 °F	644.31 µS/cm	0.05 mg/L	119.99 NTU	54.3 mV	18.81 ft	200.00 ml/min
8/9/2022 10:12 AM	27:00	7.04 pH	59.24 °F	644.05 µS/cm	0.05 mg/L	92.99 NTU	55.0 mV	18.81 ft	200.00 ml/min
8/9/2022 10:13 AM	28:00	7.04 pH	59.07 °F	644.29 µS/cm	0.04 mg/L	72.53 NTU	55.7 mV	18.81 ft	200.00 ml/min
8/9/2022 10:14 AM	29:00	7.04 pH	58.91 °F	644.50 µS/cm	0.04 mg/L	56.89 NTU	56.3 mV	18.81 ft	200.00 ml/min
8/9/2022 10:15 AM	30:00	7.03 pH	58.97 °F	644.47 µS/cm	0.03 mg/L	50.59 NTU	57.0 mV	18.81 ft	200.00 ml/min
8/9/2022 10:16 AM	31:00	7.03 pH	58.92 °F	644.38 µS/cm	0.03 mg/L	45.39 NTU	57.7 mV	18.81 ft	200.00 ml/min
8/9/2022 10:17 AM	32:00	7.03 pH	58.96 °F	644.49 µS/cm	0.03 mg/L	37.75 NTU	58.3 mV	18.81 ft	200.00 ml/min
8/9/2022 10:18 AM	33:00	7.02 pH	58.90 °F	644.36 µS/cm	0.03 mg/L	34.00 NTU	59.0 mV	18.81 ft	200.00 ml/min
8/9/2022 10:19 AM	34:00	7.02 pH	58.89 °F	644.42 µS/cm	0.03 mg/L	29.06 NTU	59.7 mV	18.81 ft	200.00 ml/min
8/9/2022 10:20 AM	35:00	7.01 pH	58.93 °F	644.48 µS/cm	0.03 mg/L	25.02 NTU	60.2 mV	18.81 ft	200.00 ml/min
8/9/2022 10:21 AM	36:00	7.01 pH	59.05 °F	644.64 µS/cm	0.03 mg/L	21.51 NTU	60.9 mV	18.81 ft	200.00 ml/min
8/9/2022 10:22 AM	37:00	7.00 pH	59.28 °F	645.05 µS/cm	0.03 mg/L	22.34 NTU	61.4 mV	18.81 ft	200.00 ml/min
8/9/2022 10:23 AM	38:00	7.00 pH	59.02 °F	644.56 µS/cm	0.03 mg/L	21.45 NTU	62.0 mV	18.81 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-33	VOCs

Low-Flow Test Report:

Test Date / Time: 8/9/2022 10:52:53 AM
Project: HRID 3Q2022 MW-33D
Operator Name: Danielle Richardson

Location Name: HRID MW-33D **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 23 ft** **Total Depth: 35.37 ft** **Initial Depth to Water: 19.07 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 27 ft** **Estimated Total Volume Pumped: 3646.667 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/9/2022 10:52 AM	00:00	7.35 pH	58.62 °F	634.05 µS/cm	0.75 mg/L	247.20 NTU	83.4 mV	19.07 ft	200.00 ml/min
8/9/2022 10:53 AM	01:00	7.33 pH	57.66 °F	633.64 µS/cm	2.57 mg/L	556.85 NTU	88.1 mV	19.07 ft	200.00 ml/min
8/9/2022 10:55 AM	02:14	7.36 pH	60.83 °F	1.08 µS/cm	7.65 mg/L	0.61 NTU	86.1 mV	19.07 ft	200.00 ml/min
8/9/2022 10:56 AM	03:14	7.47 pH	62.13 °F	0.62 µS/cm	9.23 mg/L	0.43 NTU	83.3 mV	19.07 ft	200.00 ml/min
8/9/2022 10:57 AM	04:14	7.54 pH	63.09 °F	0.59 µS/cm	9.24 mg/L	358.15 NTU	82.7 mV	19.07 ft	200.00 ml/min
8/9/2022 10:58 AM	05:14	7.27 pH	56.40 °F	633.72 µS/cm	0.36 mg/L	208.37 NTU	95.6 mV	19.07 ft	200.00 ml/min
8/9/2022 10:59 AM	06:14	7.21 pH	56.11 °F	635.18 µS/cm	0.06 mg/L	185.26 NTU	94.7 mV	19.07 ft	200.00 ml/min
8/9/2022 11:00 AM	07:14	7.19 pH	56.08 °F	635.06 µS/cm	0.03 mg/L	125.71 NTU	92.2 mV	19.07 ft	200.00 ml/min
8/9/2022 11:01 AM	08:14	7.18 pH	56.06 °F	634.82 µS/cm	0.02 mg/L	83.48 NTU	88.5 mV	19.07 ft	200.00 ml/min
8/9/2022 11:02 AM	09:14	7.17 pH	56.06 °F	634.65 µS/cm	0.01 mg/L	51.84 NTU	85.2 mV	19.07 ft	200.00 ml/min
8/9/2022 11:03 AM	10:14	7.16 pH	56.07 °F	634.60 µS/cm	0.01 mg/L	34.03 NTU	82.1 mV	19.07 ft	200.00 ml/min
8/9/2022 11:04 AM	11:14	7.15 pH	56.07 °F	634.40 µS/cm	0.00 mg/L	26.19 NTU	79.3 mV	19.07 ft	200.00 ml/min
8/9/2022 11:05 AM	12:14	7.13 pH	56.07 °F	634.61 µS/cm	0.00 mg/L	19.60 NTU	77.1 mV	19.07 ft	200.00 ml/min
8/9/2022 11:06 AM	13:14	7.10 pH	56.07 °F	634.50 µS/cm	0.00 mg/L	14.12 NTU	75.5 mV	19.07 ft	200.00 ml/min
8/9/2022 11:07 AM	14:14	7.08 pH	56.08 °F	634.49 µS/cm	0.00 mg/L	9.75 NTU	74.0 mV	19.07 ft	200.00 ml/min

8/9/2022 11:08 AM	15:14	7.06 pH	56.09 °F	634.41 µS/cm	0.00 mg/L	7.77 NTU	72.7 mV	19.07 ft	200.00 ml/min
8/9/2022 11:09 AM	16:14	7.04 pH	56.07 °F	634.40 µS/cm	0.00 mg/L	5.45 NTU	71.5 mV	19.07 ft	200.00 ml/min
8/9/2022 11:10 AM	17:14	7.02 pH	56.06 °F	634.44 µS/cm	0.00 mg/L	4.43 NTU	70.6 mV	19.07 ft	200.00 ml/min
8/9/2022 11:11 AM	18:14	6.99 pH	56.09 °F	634.39 µS/cm	0.00 mg/L	3.97 NTU	69.9 mV	19.07 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-33D	VOCs

Low-Flow Test Report:

Test Date / Time: 8/8/2022 1:09:24 PM
Project: HRID 3Q2022 MW-36
Operator Name: Danielle Richardson

Location Name: HRID MW-36 **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 18 ft** **Total Depth: 28 ft** **Initial Depth to Water: 19.02 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 24 ft** **Estimated Total Volume Pumped: 3400 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/8/2022 1:09 PM	00:00	7.36 pH	56.54 °F	714.20 µS/cm	1.58 mg/L	6,150.3 NTU	178.8 mV	19.02 ft	200.00 ml/min
8/8/2022 1:10 PM	01:00	7.27 pH	55.83 °F	722.85 µS/cm	1.26 mg/L	2,915.7 NTU	181.0 mV	19.02 ft	200.00 ml/min
8/8/2022 1:11 PM	02:00	7.22 pH	55.40 °F	724.34 µS/cm	1.40 mg/L	1,803.1 NTU	182.6 mV	19.02 ft	200.00 ml/min
8/8/2022 1:12 PM	03:00	7.18 pH	55.01 °F	726.19 µS/cm	1.36 mg/L	1,025.5 NTU	183.8 mV	19.02 ft	200.00 ml/min
8/8/2022 1:13 PM	04:00	7.29 pH	59.25 °F	0.66 µS/cm	9.07 mg/L	0.35 NTU	178.6 mV	19.02 ft	200.00 ml/min
8/8/2022 1:14 PM	05:00	7.37 pH	62.18 °F	0.47 µS/cm	9.07 mg/L	0.29 NTU	176.7 mV	19.02 ft	200.00 ml/min
8/8/2022 1:15 PM	06:00	7.31 pH	58.02 °F	703.13 µS/cm	4.58 mg/L	4,727.3 NTU	183.2 mV	19.02 ft	200.00 ml/min
8/8/2022 1:16 PM	07:00	7.22 pH	56.71 °F	717.46 µS/cm	1.42 mg/L	6,166.1 NTU	184.1 mV	19.02 ft	200.00 ml/min
8/8/2022 1:17 PM	08:00	7.17 pH	56.68 °F	720.10 µS/cm	1.15 mg/L	4,253.5 NTU	185.6 mV	19.02 ft	200.00 ml/min
8/8/2022 1:18 PM	09:00	7.16 pH	56.49 °F	720.79 µS/cm	1.08 mg/L	2,823.7 NTU	185.6 mV	19.02 ft	200.00 ml/min
8/8/2022 1:19 PM	10:00	7.14 pH	56.58 °F	723.44 µS/cm	1.14 mg/L	1,886.4 NTU	186.2 mV	19.02 ft	200.00 ml/min
8/8/2022 1:20 PM	11:00	7.14 pH	56.72 °F	725.89 µS/cm	1.30 mg/L	1,521.6 NTU	186.1 mV	19.02 ft	200.00 ml/min
8/8/2022 1:21 PM	12:00	7.11 pH	57.69 °F	726.70 µS/cm	1.41 mg/L	1,214.6 NTU	187.1 mV	19.02 ft	200.00 ml/min
8/8/2022 1:22 PM	13:00	7.12 pH	57.30 °F	726.26 µS/cm	1.36 mg/L	1,164.0 NTU	186.8 mV	19.02 ft	200.00 ml/min
8/8/2022 1:23 PM	14:00	7.12 pH	57.47 °F	726.81 µS/cm	1.32 mg/L	962.32 NTU	186.7 mV	19.02 ft	200.00 ml/min

8/8/2022 1:24 PM	15:00	7.10 pH	57.68 °F	725.45 µS/cm	1.30 mg/L	878.35 NTU	187.3 mV	19.02 ft	200.00 ml/min
8/8/2022 1:25 PM	16:00	7.09 pH	57.90 °F	724.83 µS/cm	1.25 mg/L	826.68 NTU	187.7 mV	19.02 ft	200.00 ml/min
8/8/2022 1:26 PM	17:00	7.08 pH	58.30 °F	724.75 µS/cm	1.20 mg/L	830.15 NTU	187.9 mV	19.02 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-36	VOCs

Low-Flow Test Report:

Test Date / Time: 8/8/2022 12:00:45 PM
Project: HRID 3Q2022 MW-37
Operator Name: Danielle Richardson

Location Name: HRID MW-37 **Well Diameter: 2 cm** **Casing Type: PVC sch 40** **Screen Length: 10 m** **Top of Screen: 15 m** **Total Depth: 25 m** **Initial Depth to Water: 19.3 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 9800 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/8/2022 12:00 PM	00:00	7.35 pH	73.19 °F	723.90 µS/cm	1.06 mg/L	944.35 NTU	162.1 mV	19.30 ft	200.00 ml/min
8/8/2022 12:01 PM	01:00	7.28 pH	68.30 °F	731.83 µS/cm	0.38 mg/L	975.69 NTU	165.7 mV	19.30 ft	200.00 ml/min
8/8/2022 12:02 PM	02:00	7.24 pH	66.01 °F	728.54 µS/cm	0.30 mg/L	1,586.3 NTU	167.7 mV	19.30 ft	200.00 ml/min
8/8/2022 12:03 PM	03:00	7.23 pH	63.81 °F	727.40 µS/cm	0.24 mg/L	1,563.0 NTU	169.2 mV	19.30 ft	200.00 ml/min
8/8/2022 12:04 PM	04:00	7.21 pH	62.75 °F	728.25 µS/cm	0.25 mg/L	1,700.7 NTU	169.7 mV	19.30 ft	200.00 ml/min
8/8/2022 12:05 PM	05:00	7.21 pH	62.35 °F	727.67 µS/cm	0.26 mg/L	1,627.7 NTU	169.4 mV	19.30 ft	200.00 ml/min
8/8/2022 12:06 PM	06:00	7.19 pH	62.00 °F	726.61 µS/cm	0.25 mg/L	1,550.3 NTU	169.7 mV	19.30 ft	200.00 ml/min
8/8/2022 12:07 PM	07:00	7.19 pH	62.47 °F	726.85 µS/cm	0.27 mg/L	1,348.6 NTU	168.9 mV	19.30 ft	200.00 ml/min
8/8/2022 12:08 PM	08:00	7.18 pH	61.75 °F	725.82 µS/cm	0.24 mg/L	1,289.6 NTU	169.2 mV	19.30 ft	200.00 ml/min
8/8/2022 12:09 PM	09:00	7.18 pH	62.66 °F	727.56 µS/cm	0.26 mg/L	1,167.5 NTU	167.5 mV	19.30 ft	200.00 ml/min
8/8/2022 12:10 PM	10:00	7.18 pH	61.81 °F	725.53 µS/cm	0.23 mg/L	1,063.1 NTU	167.1 mV	19.30 ft	200.00 ml/min
8/8/2022 12:11 PM	11:00	7.18 pH	62.73 °F	725.69 µS/cm	0.23 mg/L	942.48 NTU	166.2 mV	19.30 ft	200.00 ml/min
8/8/2022 12:12 PM	12:00	7.16 pH	63.37 °F	728.06 µS/cm	0.23 mg/L	795.58 NTU	165.4 mV	19.30 ft	200.00 ml/min
8/8/2022 12:13 PM	13:00	7.18 pH	64.16 °F	723.87 µS/cm	0.93 mg/L	790.84 NTU	164.1 mV	19.30 ft	200.00 ml/min
8/8/2022 12:14 PM	14:00	7.16 pH	62.57 °F	721.72 µS/cm	0.27 mg/L	603.25 NTU	164.6 mV	19.30 ft	200.00 ml/min

8/8/2022 12:15 PM	15:00	7.21 pH	64.03 °F	729.05 µS/cm	3.53 mg/L	953.74 NTU	161.1 mV	19.30 ft	200.00 ml/min
8/8/2022 12:16 PM	16:00	7.18 pH	62.37 °F	719.66 µS/cm	0.67 mg/L	394.34 NTU	162.6 mV	19.30 ft	200.00 ml/min
8/8/2022 12:17 PM	17:00	7.19 pH	61.01 °F	719.09 µS/cm	0.37 mg/L	265.33 NTU	161.4 mV	19.30 ft	200.00 ml/min
8/8/2022 12:18 PM	18:00	7.18 pH	59.81 °F	717.65 µS/cm	0.13 mg/L	186.48 NTU	160.5 mV	19.30 ft	200.00 ml/min
8/8/2022 12:19 PM	19:00	7.17 pH	59.19 °F	718.04 µS/cm	0.12 mg/L	118.88 NTU	160.0 mV	19.30 ft	200.00 ml/min
8/8/2022 12:20 PM	20:00	7.17 pH	60.27 °F	718.59 µS/cm	1.20 mg/L	167.05 NTU	158.6 mV	19.30 ft	200.00 ml/min
8/8/2022 12:21 PM	21:00	7.16 pH	60.11 °F	718.26 µS/cm	0.21 mg/L	136.50 NTU	158.0 mV	19.30 ft	200.00 ml/min
8/8/2022 12:22 PM	22:00	7.17 pH	61.30 °F	718.22 µS/cm	1.10 mg/L	143.76 NTU	156.2 mV	19.30 ft	200.00 ml/min
8/8/2022 12:23 PM	23:00	7.16 pH	60.70 °F	718.72 µS/cm	0.24 mg/L	129.42 NTU	155.9 mV	19.30 ft	200.00 ml/min
8/8/2022 12:24 PM	24:00	7.18 pH	61.57 °F	722.28 µS/cm	3.53 mg/L	152.19 NTU	153.8 mV	19.30 ft	200.00 ml/min
8/8/2022 12:25 PM	25:00	7.16 pH	60.36 °F	717.43 µS/cm	0.33 mg/L	128.42 NTU	154.0 mV	19.30 ft	200.00 ml/min
8/8/2022 12:26 PM	26:00	7.15 pH	60.22 °F	717.30 µS/cm	0.16 mg/L	97.50 NTU	152.5 mV	19.30 ft	200.00 ml/min
8/8/2022 12:27 PM	27:00	7.15 pH	59.68 °F	716.48 µS/cm	0.12 mg/L	81.18 NTU	151.6 mV	19.30 ft	200.00 ml/min
8/8/2022 12:28 PM	28:00	7.16 pH	59.69 °F	716.42 µS/cm	0.12 mg/L	88.49 NTU	149.8 mV	19.30 ft	200.00 ml/min
8/8/2022 12:29 PM	29:00	7.16 pH	59.96 °F	716.68 µS/cm	0.11 mg/L	76.14 NTU	148.7 mV	19.30 ft	200.00 ml/min
8/8/2022 12:30 PM	30:00	7.16 pH	59.80 °F	715.83 µS/cm	0.23 mg/L	78.07 NTU	148.1 mV	19.30 ft	200.00 ml/min
8/8/2022 12:31 PM	31:00	7.16 pH	60.08 °F	113.88 µS/cm	0.12 mg/L	71.44 NTU	146.1 mV	19.30 ft	200.00 ml/min
8/8/2022 12:32 PM	32:00	7.16 pH	59.79 °F	714.50 µS/cm	0.11 mg/L	68.01 NTU	145.6 mV	19.30 ft	200.00 ml/min
8/8/2022 12:33 PM	33:00	7.16 pH	59.83 °F	716.02 µS/cm	0.10 mg/L	56.42 NTU	144.2 mV	19.30 ft	200.00 ml/min
8/8/2022 12:34 PM	34:00	7.15 pH	59.14 °F	713.85 µS/cm	0.09 mg/L	45.78 NTU	143.6 mV	19.30 ft	200.00 ml/min
8/8/2022 12:35 PM	35:00	7.15 pH	59.03 °F	713.45 µS/cm	0.11 mg/L	47.29 NTU	142.6 mV	19.30 ft	200.00 ml/min
8/8/2022 12:36 PM	36:00	7.15 pH	58.43 °F	712.89 µS/cm	0.07 mg/L	32.19 NTU	141.4 mV	19.30 ft	200.00 ml/min
8/8/2022 12:37 PM	37:00	7.16 pH	58.76 °F	711.49 µS/cm	1.17 mg/L	51.43 NTU	140.2 mV	19.30 ft	200.00 ml/min
8/8/2022 12:38 PM	38:00	7.15 pH	58.35 °F	711.50 µS/cm	0.15 mg/L	69.22 NTU	139.4 mV	19.30 ft	200.00 ml/min
8/8/2022 12:39 PM	39:00	7.14 pH	58.44 °F	710.20 µS/cm	0.12 mg/L	89.52 NTU	138.1 mV	19.30 ft	200.00 ml/min
8/8/2022 12:40 PM	40:00	7.14 pH	58.30 °F	710.57 µS/cm	0.11 mg/L	89.92 NTU	136.7 mV	19.30 ft	200.00 ml/min
8/8/2022 12:41 PM	41:00	7.14 pH	58.33 °F	710.78 µS/cm	0.09 mg/L	75.07 NTU	135.3 mV	19.30 ft	200.00 ml/min
8/8/2022 12:42 PM	42:00	7.13 pH	58.38 °F	711.28 µS/cm	0.07 mg/L	50.88 NTU	133.9 mV	19.30 ft	200.00 ml/min
8/8/2022 12:43 PM	43:00	7.13 pH	58.36 °F	711.01 µS/cm	0.06 mg/L	34.47 NTU	132.3 mV	19.30 ft	200.00 ml/min

8/8/2022 12:44 PM	44:00	7.17 pH	59.48 °F	708.08 µS/cm	2.58 mg/L	29.54 NTU	130.0 mV	19.30 ft	200.00 ml/min
8/8/2022 12:45 PM	45:00	7.14 pH	58.61 °F	709.97 µS/cm	0.18 mg/L	20.43 NTU	129.1 mV	19.30 ft	200.00 ml/min
8/8/2022 12:46 PM	46:00	7.15 pH	59.20 °F	709.53 µS/cm	1.44 mg/L	27.96 NTU	127.1 mV	19.30 ft	200.00 ml/min
8/8/2022 12:47 PM	47:00	7.13 pH	58.61 °F	707.95 µS/cm	0.16 mg/L	60.28 NTU	125.8 mV	19.30 ft	200.00 ml/min
8/8/2022 12:48 PM	48:00	7.13 pH	58.53 °F	707.59 µS/cm	0.12 mg/L	53.16 NTU	124.3 mV	19.30 ft	200.00 ml/min
8/8/2022 12:49 PM	49:00	7.12 pH	58.56 °F	707.81 µS/cm	0.11 mg/L	57.83 NTU	122.7 mV	19.30 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-37	VOCs

Low-Flow Test Report:

Test Date / Time: 8/8/2022 10:25:59 AM
Project: HRID 3Q2022 MW-39
Operator Name: Danielle Richardson

Location Name: HRID MW-39 **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 15 ft** **Total Depth: 25 ft** **Initial Depth to Water: 17.18 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 6110 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/8/2022 10:25 AM	00:00	6.72 pH	70.36 °F	758.30 µS/cm	1.06 mg/L	1,080.7 NTU	183.4 mV	17.18 ft	200.00 ml/min
8/8/2022 10:26 AM	01:00	6.88 pH	65.20 °F	741.30 µS/cm	0.21 mg/L	5,463.8 NTU	168.3 mV	17.18 ft	200.00 ml/min
8/8/2022 10:27 AM	02:00	6.95 pH	63.21 °F	731.22 µS/cm	0.15 mg/L	5,391.8 NTU	158.8 mV	17.18 ft	200.00 ml/min
8/8/2022 10:28 AM	03:00	6.95 pH	62.19 °F	726.95 µS/cm	0.13 mg/L	1,575.2 NTU	137.0 mV	17.18 ft	200.00 ml/min
8/8/2022 10:29 AM	04:00	6.96 pH	62.15 °F	723.11 µS/cm	0.15 mg/L	1,001.3 NTU	103.8 mV	17.18 ft	200.00 ml/min
8/8/2022 10:30 AM	05:00	6.96 pH	61.78 °F	717.49 µS/cm	0.13 mg/L	882.13 NTU	76.0 mV	17.18 ft	200.00 ml/min
8/8/2022 10:37 AM	11:24	7.06 pH	60.30 °F	703.30 µS/cm	0.05 mg/L	165.97 NTU	-16.9 mV	17.18 ft	200.00 ml/min
8/8/2022 10:39 AM	13:33	7.08 pH	60.27 °F	704.20 µS/cm	0.05 mg/L	149.21 NTU	-26.5 mV	17.18 ft	200.00 ml/min
8/8/2022 10:40 AM	14:33	7.09 pH	60.62 °F	703.86 µS/cm	0.05 mg/L	209.85 NTU	-30.2 mV	17.18 ft	200.00 ml/min
8/8/2022 10:41 AM	15:33	7.09 pH	60.95 °F	702.41 µS/cm	0.05 mg/L	0.59 NTU	-32.8 mV	17.18 ft	200.00 ml/min
8/8/2022 10:42 AM	16:33	7.11 pH	61.30 °F	703.02 µS/cm	0.42 mg/L	336.33 NTU	-32.9 mV	17.18 ft	200.00 ml/min
8/8/2022 10:43 AM	17:33	7.11 pH	61.70 °F	704.30 µS/cm	0.09 mg/L	184.36 NTU	-36.5 mV	17.18 ft	200.00 ml/min
8/8/2022 10:44 AM	18:33	7.11 pH	61.09 °F	704.05 µS/cm	0.07 mg/L	362.70 NTU	-38.0 mV	17.18 ft	200.00 ml/min
8/8/2022 10:45 AM	19:33	7.10 pH	61.17 °F	704.98 µS/cm	0.07 mg/L	111.57 NTU	-38.5 mV	17.18 ft	200.00 ml/min
8/8/2022 10:46 AM	20:33	7.10 pH	62.16 °F	705.77 µS/cm	0.06 mg/L	140.20 NTU	-39.8 mV	17.18 ft	200.00 ml/min

8/8/2022 10:47 AM	21:33	7.10 pH	63.37 °F	692.71 µS/cm	0.07 mg/L	218.04 NTU	-41.3 mV	17.18 ft	200.00 ml/min
8/8/2022 10:48 AM	22:33	7.10 pH	64.45 °F	0.86 µS/cm	4.03 mg/L	0.46 NTU	-35.3 mV	17.18 ft	200.00 ml/min
8/8/2022 10:49 AM	23:33	7.13 pH	62.97 °F	705.19 µS/cm	0.67 mg/L	0.94 NTU	-38.3 mV	17.18 ft	200.00 ml/min
8/8/2022 10:50 AM	24:33	7.11 pH	61.49 °F	710.04 µS/cm	0.13 mg/L	237.72 NTU	-39.3 mV	17.18 ft	200.00 ml/min
8/8/2022 10:51 AM	25:33	7.11 pH	60.65 °F	709.60 µS/cm	0.07 mg/L	90.13 NTU	-38.8 mV	17.18 ft	200.00 ml/min
8/8/2022 10:52 AM	26:33	7.11 pH	60.31 °F	705.77 µS/cm	0.05 mg/L	87.03 NTU	-40.3 mV	17.18 ft	200.00 ml/min
8/8/2022 10:53 AM	27:33	7.12 pH	60.52 °F	706.95 µS/cm	0.05 mg/L	127.70 NTU	-41.9 mV	17.18 ft	200.00 ml/min
8/8/2022 10:54 AM	28:33	7.11 pH	61.15 °F	707.81 µS/cm	0.05 mg/L	145.34 NTU	-42.1 mV	17.18 ft	200.00 ml/min
8/8/2022 10:55 AM	29:33	7.11 pH	61.33 °F	705.99 µS/cm	0.05 mg/L	122.78 NTU	-43.8 mV	17.18 ft	200.00 ml/min
8/8/2022 10:56 AM	30:33	7.12 pH	61.78 °F	707.21 µS/cm	0.05 mg/L	114.34 NTU	-44.6 mV	17.18 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-39	VOCs

Low-Flow Test Report:

Test Date / Time: 8/10/2022 3:03:56 PM
Project: HRID 3Q2022 MW-40
Operator Name: Danielle Richardson

Location Name: HRID MW-40 **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 m** **Top of Screen: 8 m** **Total Depth: 18 m** **Initial Depth to Water: 8.82 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 13 ft** **Estimated Total Volume Pumped: 3513.333 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/10/2022 3:03 PM	00:00	6.95 pH	62.79 °F	1,112.6 µS/cm	0.46 mg/L	117.47 NTU	78.6 mV	8.82 ft	200.00 ml/min
8/10/2022 3:04 PM	01:00	6.91 pH	61.72 °F	1,131.0 µS/cm	0.15 mg/L	54.88 NTU	85.1 mV	8.82 ft	200.00 ml/min
8/10/2022 3:05 PM	02:00	6.88 pH	63.66 °F	1,134.0 µS/cm	0.14 mg/L	31.91 NTU	87.3 mV	8.82 ft	200.00 ml/min
8/10/2022 3:06 PM	03:00	6.85 pH	65.46 °F	1,147.5 µS/cm	0.23 mg/L	25.86 NTU	87.9 mV	8.82 ft	200.00 ml/min
8/10/2022 3:07 PM	04:00	6.84 pH	68.26 °F	1,159.3 µS/cm	0.33 mg/L	23.03 NTU	87.3 mV	8.82 ft	200.00 ml/min
8/10/2022 3:08 PM	05:00	6.84 pH	70.42 °F	1,158.7 µS/cm	0.39 mg/L	20.09 NTU	86.3 mV	8.82 ft	200.00 ml/min
8/10/2022 3:09 PM	06:00	6.84 pH	71.93 °F	1,160.1 µS/cm	0.53 mg/L	22.08 NTU	85.1 mV	8.82 ft	200.00 ml/min
8/10/2022 3:10 PM	07:00	6.84 pH	73.04 °F	1,159.2 µS/cm	0.75 mg/L	20.39 NTU	83.9 mV	8.82 ft	200.00 ml/min
8/10/2022 3:11 PM	08:00	6.84 pH	74.30 °F	1,163.7 µS/cm	0.83 mg/L	19.02 NTU	82.4 mV	8.82 ft	200.00 ml/min
8/10/2022 3:12 PM	09:00	6.84 pH	75.90 °F	1,165.2 µS/cm	0.95 mg/L	16.29 NTU	81.0 mV	8.82 ft	200.00 ml/min
8/10/2022 3:13 PM	10:00	6.86 pH	75.78 °F	1,156.2 µS/cm	2.22 mg/L	24.88 NTU	80.0 mV	8.82 ft	200.00 ml/min
8/10/2022 3:14 PM	11:00	6.84 pH	76.90 °F	1,163.7 µS/cm	0.63 mg/L	31.70 NTU	80.2 mV	8.82 ft	200.00 ml/min
8/10/2022 3:15 PM	12:00	6.83 pH	75.95 °F	1,157.4 µS/cm	0.47 mg/L	27.53 NTU	80.5 mV	8.82 ft	200.00 ml/min
8/10/2022 3:16 PM	13:00	6.83 pH	76.49 °F	1,164.4 µS/cm	0.55 mg/L	18.39 NTU	80.1 mV	8.82 ft	200.00 ml/min
8/10/2022 3:17 PM	14:00	6.83 pH	77.63 °F	1,171.1 µS/cm	0.69 mg/L	16.82 NTU	79.2 mV	8.82 ft	200.00 ml/min

8/10/2022 3:18 PM	14:34	6.84 pH	77.25 °F	1,156.9 µS/cm	0.53 mg/L	21.00 NTU	79.0 mV	8.82 ft	200.00 ml/min
8/10/2022 3:19 PM	15:34	6.83 pH	76.54 °F	1,158.0 µS/cm	0.37 mg/L	43.60 NTU	79.3 mV	8.82 ft	200.00 ml/min
8/10/2022 3:20 PM	16:34	6.83 pH	75.39 °F	1,156.9 µS/cm	0.38 mg/L	26.56 NTU	79.2 mV	8.82 ft	200.00 ml/min
8/10/2022 3:21 PM	17:34	6.83 pH	75.50 °F	1,158.6 µS/cm	0.39 mg/L	26.04 NTU	78.9 mV	8.82 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-40	VOCs

Low-Flow Test Report:

Test Date / Time: 8/10/2022 1:27:19 PM
Project: HRID 3Q2022 MW-41
Operator Name: Danielle Richardson

Location Name: HRID MW-41 **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 12 ft** **Total Depth: 22 ft** **Initial Depth to Water: 12.78 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 17 ft** **Estimated Total Volume Pumped: 6800 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/10/2022 1:27 PM	00:00	6.96 pH	68.07 °F	641.68 µS/cm	0.26 mg/L	1,217.4 NTU	57.2 mV	12.78 ft	200.00 ml/min
8/10/2022 1:28 PM	01:00	7.00 pH	66.29 °F	650.89 µS/cm	0.22 mg/L	1,226.0 NTU	54.9 mV	12.78 ft	200.00 ml/min
8/10/2022 1:29 PM	02:00	7.01 pH	65.74 °F	652.68 µS/cm	0.23 mg/L	1,282.7 NTU	53.4 mV	12.78 ft	200.00 ml/min
8/10/2022 1:30 PM	03:00	7.03 pH	65.53 °F	653.86 µS/cm	0.24 mg/L	1,264.1 NTU	51.6 mV	12.78 ft	200.00 ml/min
8/10/2022 1:31 PM	04:00	7.03 pH	65.40 °F	651.81 µS/cm	0.24 mg/L	1,082.8 NTU	49.9 mV	12.78 ft	200.00 ml/min
8/10/2022 1:32 PM	05:00	7.04 pH	65.33 °F	650.77 µS/cm	0.25 mg/L	988.52 NTU	48.1 mV	12.78 ft	200.00 ml/min
8/10/2022 1:33 PM	06:00	7.05 pH	65.18 °F	649.85 µS/cm	0.26 mg/L	946.20 NTU	46.0 mV	12.78 ft	200.00 ml/min
8/10/2022 1:34 PM	07:00	7.06 pH	65.15 °F	647.63 µS/cm	0.27 mg/L	766.10 NTU	44.0 mV	12.78 ft	200.00 ml/min
8/10/2022 1:35 PM	08:00	7.06 pH	65.19 °F	646.36 µS/cm	0.27 mg/L	723.00 NTU	41.8 mV	12.78 ft	200.00 ml/min
8/10/2022 1:36 PM	09:00	7.07 pH	65.53 °F	644.45 µS/cm	0.26 mg/L	547.96 NTU	38.9 mV	12.78 ft	200.00 ml/min
8/10/2022 1:37 PM	10:00	7.07 pH	65.66 °F	639.98 µS/cm	0.23 mg/L	429.43 NTU	36.4 mV	12.78 ft	200.00 ml/min
8/10/2022 1:38 PM	11:00	7.08 pH	65.43 °F	636.61 µS/cm	0.20 mg/L	313.84 NTU	33.4 mV	12.78 ft	200.00 ml/min
8/10/2022 1:39 PM	12:00	7.08 pH	65.04 °F	636.23 µS/cm	0.15 mg/L	212.10 NTU	30.5 mV	12.78 ft	200.00 ml/min
8/10/2022 1:40 PM	13:00	7.07 pH	64.75 °F	638.28 µS/cm	0.12 mg/L	143.24 NTU	28.7 mV	12.78 ft	200.00 ml/min
8/10/2022 1:41 PM	14:00	7.06 pH	64.90 °F	641.87 µS/cm	0.11 mg/L	109.66 NTU	26.8 mV	12.78 ft	200.00 ml/min

8/10/2022 1:42 PM	15:00	7.06 pH	64.75 °F	644.04 µS/cm	0.10 mg/L	96.25 NTU	25.2 mV	12.78 ft	200.00 ml/min
8/10/2022 1:43 PM	16:00	7.07 pH	64.65 °F	646.46 µS/cm	0.09 mg/L	76.83 NTU	23.5 mV	12.78 ft	200.00 ml/min
8/10/2022 1:44 PM	17:00	7.07 pH	64.31 °F	648.73 µS/cm	0.09 mg/L	58.70 NTU	22.3 mV	12.78 ft	200.00 ml/min
8/10/2022 1:45 PM	18:00	7.06 pH	64.51 °F	649.90 µS/cm	0.08 mg/L	56.33 NTU	21.7 mV	12.78 ft	200.00 ml/min
8/10/2022 1:46 PM	19:00	7.07 pH	64.62 °F	649.61 µS/cm	0.08 mg/L	48.98 NTU	20.0 mV	12.78 ft	200.00 ml/min
8/10/2022 1:47 PM	20:00	7.05 pH	64.59 °F	651.97 µS/cm	0.08 mg/L	41.73 NTU	19.9 mV	12.78 ft	200.00 ml/min
8/10/2022 1:48 PM	21:00	7.06 pH	64.31 °F	651.62 µS/cm	0.07 mg/L	36.29 NTU	19.1 mV	12.78 ft	200.00 ml/min
8/10/2022 1:49 PM	22:00	7.05 pH	64.43 °F	653.27 µS/cm	0.07 mg/L	37.31 NTU	18.7 mV	12.78 ft	200.00 ml/min
8/10/2022 1:50 PM	23:00	7.04 pH	64.33 °F	653.05 µS/cm	0.07 mg/L	30.77 NTU	18.6 mV	12.78 ft	200.00 ml/min
8/10/2022 1:51 PM	24:00	7.06 pH	64.28 °F	654.12 µS/cm	0.07 mg/L	30.11 NTU	17.0 mV	12.78 ft	200.00 ml/min
8/10/2022 1:52 PM	25:00	7.05 pH	64.21 °F	653.51 µS/cm	0.06 mg/L	25.44 NTU	16.7 mV	12.78 ft	200.00 ml/min
8/10/2022 1:53 PM	26:00	7.05 pH	65.13 °F	650.81 µS/cm	0.06 mg/L	147.21 NTU	16.0 mV	12.78 ft	200.00 ml/min
8/10/2022 1:54 PM	27:00	7.04 pH	65.16 °F	651.27 µS/cm	0.06 mg/L	27.84 NTU	15.8 mV	12.78 ft	200.00 ml/min
8/10/2022 1:55 PM	28:00	7.04 pH	64.14 °F	651.26 µS/cm	0.06 mg/L	22.96 NTU	15.4 mV	12.78 ft	200.00 ml/min
8/10/2022 1:56 PM	29:00	7.05 pH	63.79 °F	654.57 µS/cm	0.06 mg/L	16.59 NTU	15.1 mV	12.78 ft	200.00 ml/min
8/10/2022 1:57 PM	30:00	7.04 pH	63.40 °F	652.65 µS/cm	0.05 mg/L	18.28 NTU	15.2 mV	12.78 ft	200.00 ml/min
8/10/2022 1:58 PM	31:00	7.04 pH	63.33 °F	653.05 µS/cm	0.05 mg/L	13.06 NTU	14.8 mV	12.78 ft	200.00 ml/min
8/10/2022 1:59 PM	32:00	7.04 pH	63.37 °F	653.21 µS/cm	0.05 mg/L	10.29 NTU	14.2 mV	12.78 ft	200.00 ml/min
8/10/2022 2:00 PM	33:00	7.04 pH	63.16 °F	651.69 µS/cm	0.05 mg/L	9.59 NTU	13.8 mV	12.78 ft	200.00 ml/min
8/10/2022 2:01 PM	34:00	7.04 pH	63.50 °F	650.52 µS/cm	0.04 mg/L	9.80 NTU	13.2 mV	12.78 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-41	VOCs

Low-Flow Test Report:

Test Date / Time: 8/10/2022 2:12:03 PM
Project: HRID 3Q2022 MW-41D
Operator Name: Danielle Richardson

Location Name: HRID MW-41D **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 25 ft** **Total Depth: 35 ft** **Initial Depth to Water: 12.76 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 24 ft** **Estimated Total Volume Pumped: 3000 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/10/2022 2:12 PM	00:00	7.29 pH	63.68 °F	602.44 µS/cm	0.83 mg/L	4.95 NTU	-24.5 mV	12.76 ft	200.00 ml/min
8/10/2022 2:13 PM	01:00	7.26 pH	60.84 °F	624.04 µS/cm	0.20 mg/L	14.39 NTU	-47.2 mV	12.76 ft	200.00 ml/min
8/10/2022 2:14 PM	02:00	7.25 pH	60.61 °F	632.09 µS/cm	0.14 mg/L	14.71 NTU	-56.9 mV	12.76 ft	200.00 ml/min
8/10/2022 2:15 PM	03:00	7.24 pH	61.30 °F	633.43 µS/cm	0.14 mg/L	19.44 NTU	-62.8 mV	12.76 ft	200.00 ml/min
8/10/2022 2:16 PM	04:00	7.24 pH	61.87 °F	632.46 µS/cm	0.14 mg/L	19.74 NTU	-66.3 mV	12.76 ft	200.00 ml/min
8/10/2022 2:17 PM	05:00	7.23 pH	62.06 °F	632.09 µS/cm	0.14 mg/L	15.12 NTU	-68.8 mV	12.76 ft	200.00 ml/min
8/10/2022 2:18 PM	06:00	7.23 pH	62.05 °F	631.95 µS/cm	0.13 mg/L	9.11 NTU	-70.9 mV	12.76 ft	200.00 ml/min
8/10/2022 2:19 PM	07:00	7.23 pH	62.03 °F	631.95 µS/cm	0.11 mg/L	9.12 NTU	-72.8 mV	12.76 ft	200.00 ml/min
8/10/2022 2:20 PM	08:00	7.23 pH	62.27 °F	631.54 µS/cm	0.11 mg/L	7.12 NTU	-74.3 mV	12.76 ft	200.00 ml/min
8/10/2022 2:21 PM	09:00	7.24 pH	62.23 °F	631.64 µS/cm	0.11 mg/L	4.40 NTU	-75.6 mV	12.76 ft	200.00 ml/min
8/10/2022 2:22 PM	10:00	7.23 pH	62.33 °F	630.87 µS/cm	0.10 mg/L	4.07 NTU	-76.6 mV	12.76 ft	200.00 ml/min
8/10/2022 2:23 PM	11:00	7.23 pH	62.08 °F	630.73 µS/cm	0.09 mg/L	3.30 NTU	-77.4 mV	12.76 ft	200.00 ml/min
8/10/2022 2:24 PM	12:00	7.23 pH	61.80 °F	631.11 µS/cm	0.08 mg/L	2.37 NTU	-78.3 mV	12.76 ft	200.00 ml/min
8/10/2022 2:25 PM	13:00	7.24 pH	61.47 °F	630.65 µS/cm	0.07 mg/L	1.92 NTU	-79.3 mV	12.76 ft	200.00 ml/min
8/10/2022 2:26 PM	14:00	7.24 pH	61.42 °F	630.67 µS/cm	0.06 mg/L	1.95 NTU	-80.0 mV	12.76 ft	200.00 ml/min

8/10/2022 2:27 PM	15:00	7.24 pH	61.51 °F	629.64 µS/cm	0.06 mg/L	1.91 NTU	-80.6 mV	12.76 ft	200.00 ml/min

Samples

Sample ID:	Description:
MW-41D	VOCs

Low-Flow Test Report:

Test Date / Time: 8/10/2022 8:34:18 AM
Project: HRID 3Q2022 MW-42
Operator Name: Danielle Richardson

Location Name: HRID MW-42 **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 8 ft** **Total Depth: 18 ft** **Initial Depth to Water: 11.29 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 15 ft** **Estimated Total Volume Pumped: 5730 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:
Had slow recharge, had to bailer sample

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/10/2022 8:34 AM	00:00	7.33 pH	61.90 °F	742.67 µS/cm	4.87 mg/L	3,624.9 NTU	28.0 mV	11.29 ft	300.00 ml/min
8/10/2022 8:35 AM	01:00	7.21 pH	60.89 °F	1.82 µS/cm	2.86 mg/L	2.29 NTU	37.2 mV	11.29 ft	300.00 ml/min
8/10/2022 8:36 AM	02:00	7.24 pH	62.03 °F	718.93 µS/cm	5.03 mg/L	5,130.5 NTU	41.1 mV	11.29 ft	300.00 ml/min
8/10/2022 8:37 AM	03:00	7.15 pH	62.38 °F	717.97 µS/cm	1.23 mg/L	4,917.9 NTU	48.1 mV	11.29 ft	300.00 ml/min
8/10/2022 8:38 AM	04:00	7.14 pH	61.64 °F	717.14 µS/cm	0.48 mg/L	3,783.7 NTU	50.3 mV	11.29 ft	300.00 ml/min
8/10/2022 8:39 AM	05:00	7.13 pH	62.39 °F	717.99 µS/cm	0.46 mg/L	3,209.3 NTU	51.9 mV	11.29 ft	300.00 ml/min
8/10/2022 8:40 AM	06:00	7.13 pH	63.03 °F	719.83 µS/cm	0.43 mg/L	2,797.0 NTU	53.6 mV	11.29 ft	300.00 ml/min
8/10/2022 8:41 AM	07:00	7.12 pH	63.48 °F	720.33 µS/cm	0.43 mg/L	2,133.2 NTU	55.6 mV	11.29 ft	300.00 ml/min
8/10/2022 8:42 AM	08:00	7.10 pH	63.86 °F	720.32 µS/cm	0.44 mg/L	2,220.9 NTU	58.1 mV	11.29 ft	300.00 ml/min
8/10/2022 8:43 AM	09:00	7.11 pH	64.37 °F	721.17 µS/cm	0.44 mg/L	1,497.9 NTU	59.3 mV	11.29 ft	300.00 ml/min
8/10/2022 8:44 AM	10:00	7.24 pH	64.62 °F	2.39 µS/cm	8.09 mg/L	7.96 NTU	60.1 mV	11.29 ft	300.00 ml/min
8/10/2022 8:45 AM	11:00	7.35 pH	65.01 °F	1.82 µS/cm	8.93 mg/L	6.86 NTU	61.4 mV	11.29 ft	300.00 ml/min
8/10/2022 8:46 AM	12:00	7.46 pH	65.42 °F	1.69 µS/cm	8.92 mg/L	6.61 NTU	62.7 mV	11.29 ft	300.00 ml/min
8/10/2022 8:47 AM	13:00	7.54 pH	65.81 °F	1.62 µS/cm	8.86 mg/L	6.20 NTU	63.6 mV	11.29 ft	300.00 ml/min
8/10/2022 8:48 AM	14:06	7.52 pH	66.24 °F	1.52 µS/cm	8.87 mg/L	5.50 NTU	69.7 mV	11.29 ft	300.00 ml/min

8/10/2022 8:53 AM	19:06	7.74 pH	67.78 °F	1.23 µS/cm	8.69 mg/L	3.53 NTU	78.4 mV	11.29 ft	300.00 ml/min

Samples

Sample ID:	Description:
MW-42, Dup-B	VOCs

Low-Flow Test Report:

Test Date / Time: 8/10/2022 7:52:57 AM
Project: HRID 3Q2022 MW-42D
Operator Name: Danielle Richardson

Location Name: HRID MW-42D **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 42 ft** **Total Depth: 52 ft** **Initial Depth to Water: 11.26 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 31 ft** **Estimated Total Volume Pumped: 9600 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/10/2022 7:52 AM	00:00	7.49 pH	57.72 °F	634.08 µS/cm	0.69 mg/L	4.34 NTU	211.9 mV	11.26 ft	300.00 ml/min
8/10/2022 7:53 AM	01:00	7.37 pH	58.73 °F	639.28 µS/cm	0.33 mg/L	2.86 NTU	197.8 mV	11.26 ft	300.00 ml/min
8/10/2022 7:54 AM	02:00	7.31 pH	60.58 °F	619.94 µS/cm	3.02 mg/L	2.83 NTU	182.1 mV	11.26 ft	300.00 ml/min
8/10/2022 7:55 AM	03:00	7.29 pH	58.95 °F	616.25 µS/cm	0.37 mg/L	4.52 NTU	165.2 mV	11.26 ft	300.00 ml/min
8/10/2022 7:56 AM	04:00	7.27 pH	57.22 °F	616.98 µS/cm	0.15 mg/L	5.75 NTU	149.0 mV	11.26 ft	300.00 ml/min
8/10/2022 7:57 AM	05:00	7.26 pH	56.72 °F	616.95 µS/cm	0.09 mg/L	2.01 NTU	133.3 mV	11.26 ft	300.00 ml/min
8/10/2022 7:58 AM	06:00	7.26 pH	56.87 °F	617.33 µS/cm	0.08 mg/L	1.72 NTU	119.4 mV	11.26 ft	300.00 ml/min
8/10/2022 7:59 AM	07:00	7.25 pH	56.90 °F	617.14 µS/cm	0.08 mg/L	2.28 NTU	107.1 mV	11.26 ft	300.00 ml/min
8/10/2022 8:00 AM	08:00	7.25 pH	57.61 °F	615.86 µS/cm	0.09 mg/L	2.37 NTU	95.8 mV	11.26 ft	300.00 ml/min
8/10/2022 8:01 AM	09:00	7.25 pH	58.77 °F	123.36 µS/cm	0.11 mg/L	2.25 NTU	86.0 mV	11.26 ft	300.00 ml/min
8/10/2022 8:02 AM	10:00	7.34 pH	60.42 °F	0.23 µS/cm	9.17 mg/L	0.79 NTU	75.9 mV	11.26 ft	300.00 ml/min
8/10/2022 8:03 AM	11:00	7.25 pH	58.79 °F	601.45 µS/cm	1.41 mg/L	7.03 NTU	75.3 mV	11.26 ft	300.00 ml/min
8/10/2022 8:04 AM	12:00	7.25 pH	58.82 °F	602.83 µS/cm	0.31 mg/L	7.32 NTU	66.4 mV	11.26 ft	300.00 ml/min
8/10/2022 8:05 AM	13:00	7.34 pH	60.45 °F	0.39 µS/cm	9.13 mg/L	0.53 NTU	59.8 mV	11.26 ft	300.00 ml/min
8/10/2022 8:06 AM	14:00	7.24 pH	56.90 °F	637.01 µS/cm	1.55 mg/L	117.50 NTU	63.0 mV	11.26 ft	300.00 ml/min

8/10/2022 8:07 AM	15:00	7.21 pH	55.79 °F	645.58 µS/cm	0.11 mg/L	823.58 NTU	57.8 mV	11.26 ft	300.00 ml/min
8/10/2022 8:08 AM	16:00	7.20 pH	55.74 °F	645.95 µS/cm	0.03 mg/L	765.76 NTU	51.4 mV	11.26 ft	300.00 ml/min
8/10/2022 8:09 AM	17:00	7.20 pH	55.79 °F	644.48 µS/cm	0.02 mg/L	1,400.3 NTU	45.5 mV	11.26 ft	300.00 ml/min
8/10/2022 8:10 AM	18:00	7.20 pH	55.83 °F	644.02 µS/cm	0.02 mg/L	1,227.1 NTU	40.2 mV	11.26 ft	300.00 ml/min
8/10/2022 8:11 AM	19:00	7.20 pH	56.02 °F	643.69 µS/cm	0.02 mg/L	863.63 NTU	35.4 mV	11.26 ft	300.00 ml/min
8/10/2022 8:12 AM	20:00	7.19 pH	56.02 °F	643.34 µS/cm	0.01 mg/L	661.78 NTU	31.7 mV	11.26 ft	300.00 ml/min
8/10/2022 8:13 AM	21:00	7.19 pH	56.02 °F	643.01 µS/cm	0.01 mg/L	427.37 NTU	28.4 mV	11.26 ft	300.00 ml/min
8/10/2022 8:14 AM	22:00	7.19 pH	56.00 °F	642.96 µS/cm	0.01 mg/L	306.54 NTU	25.3 mV	11.26 ft	300.00 ml/min
8/10/2022 8:15 AM	23:00	7.19 pH	56.00 °F	642.82 µS/cm	0.01 mg/L	133.09 NTU	22.7 mV	11.26 ft	300.00 ml/min
8/10/2022 8:16 AM	24:00	7.19 pH	56.03 °F	642.97 µS/cm	0.01 mg/L	93.16 NTU	20.2 mV	11.26 ft	300.00 ml/min
8/10/2022 8:17 AM	25:00	7.19 pH	56.05 °F	642.87 µS/cm	0.01 mg/L	163.52 NTU	18.0 mV	11.26 ft	300.00 ml/min
8/10/2022 8:18 AM	26:00	7.19 pH	56.08 °F	642.68 µS/cm	0.01 mg/L	127.76 NTU	16.4 mV	11.26 ft	300.00 ml/min
8/10/2022 8:19 AM	27:00	7.19 pH	56.09 °F	642.77 µS/cm	0.01 mg/L	63.71 NTU	14.4 mV	11.26 ft	300.00 ml/min
8/10/2022 8:20 AM	28:00	7.25 pH	56.83 °F	2.03 µS/cm	8.57 mg/L	0.54 NTU	16.0 mV	11.26 ft	300.00 ml/min
8/10/2022 8:21 AM	29:00	7.19 pH	55.93 °F	642.01 µS/cm	0.43 mg/L	40.31 NTU	15.5 mV	11.26 ft	300.00 ml/min
8/10/2022 8:22 AM	30:00	7.19 pH	55.80 °F	642.85 µS/cm	0.04 mg/L	63.22 NTU	13.5 mV	11.26 ft	300.00 ml/min
8/10/2022 8:23 AM	31:00	7.18 pH	55.79 °F	643.25 µS/cm	0.01 mg/L	133.25 NTU	12.3 mV	11.26 ft	300.00 ml/min
8/10/2022 8:24 AM	32:00	7.18 pH	55.78 °F	643.07 µS/cm	0.00 mg/L	326.79 NTU	10.8 mV	11.26 ft	300.00 ml/min

Samples

Sample ID:	Description:
MW-42D	VOCs

Low-Flow Test Report:

Test Date / Time: 8/11/2022 11:40:42 AM
Project: HRID 3Q2022 MW-43
Operator Name: Danielle Richardson

Location Name: HRID MW-43 **Well Diameter: 2 in** **Casing Type: PVC sch 4** **Screen Length: 10 ft** **Top of Screen: 6 ft** **Total Depth: 16 ft** **Initial Depth to Water: 12.33 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 14 ft** **Estimated Total Volume Pumped: 10200 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/11/2022 11:40 AM	00:00	7.18 pH	59.25 °F	574.68 µS/cm	7.33 mg/L	669.47 NTU	5.9 mV	12.33 ft	300.00 ml/min
8/11/2022 11:41 AM	01:00	6.96 pH	55.70 °F	572.08 µS/cm	0.72 mg/L	475.31 NTU	21.8 mV	12.33 ft	300.00 ml/min
8/11/2022 11:42 AM	02:00	6.86 pH	55.62 °F	567.67 µS/cm	0.24 mg/L	374.97 NTU	30.6 mV	12.33 ft	300.00 ml/min
8/11/2022 11:43 AM	03:00	6.83 pH	55.51 °F	559.43 µS/cm	0.18 mg/L	281.58 NTU	35.8 mV	12.33 ft	300.00 ml/min
8/11/2022 11:44 AM	04:00	6.80 pH	56.13 °F	557.80 µS/cm	0.18 mg/L	224.45 NTU	39.5 mV	12.33 ft	300.00 ml/min
8/11/2022 11:45 AM	05:00	6.79 pH	55.59 °F	551.97 µS/cm	0.15 mg/L	205.93 NTU	43.0 mV	12.33 ft	300.00 ml/min
8/11/2022 11:46 AM	06:00	6.78 pH	55.47 °F	547.12 µS/cm	0.13 mg/L	174.25 NTU	45.7 mV	12.33 ft	300.00 ml/min
8/11/2022 11:47 AM	07:00	6.77 pH	55.62 °F	544.61 µS/cm	0.12 mg/L	157.57 NTU	48.1 mV	12.33 ft	300.00 ml/min
8/11/2022 11:48 AM	08:00	6.77 pH	55.38 °F	541.86 µS/cm	0.11 mg/L	128.88 NTU	50.2 mV	12.33 ft	300.00 ml/min
8/11/2022 11:49 AM	09:00	6.77 pH	55.54 °F	539.14 µS/cm	0.10 mg/L	108.98 NTU	52.0 mV	12.33 ft	300.00 ml/min
8/11/2022 11:50 AM	10:00	6.77 pH	55.66 °F	538.50 µS/cm	0.09 mg/L	85.79 NTU	53.7 mV	12.33 ft	300.00 ml/min
8/11/2022 11:51 AM	11:00	6.76 pH	55.77 °F	536.44 µS/cm	0.08 mg/L	76.71 NTU	55.4 mV	12.33 ft	300.00 ml/min
8/11/2022 11:52 AM	12:00	6.76 pH	55.73 °F	533.37 µS/cm	0.08 mg/L	60.50 NTU	56.8 mV	12.33 ft	300.00 ml/min
8/11/2022 11:53 AM	13:00	6.76 pH	55.60 °F	532.15 µS/cm	0.07 mg/L	54.42 NTU	58.3 mV	12.33 ft	300.00 ml/min
8/11/2022 11:54 AM	14:00	6.76 pH	55.39 °F	530.28 µS/cm	0.06 mg/L	49.76 NTU	59.5 mV	12.33 ft	300.00 ml/min

8/11/2022 11:55 AM	15:00	6.75 pH	55.44 °F	528.44 µS/cm	0.06 mg/L	44.90 NTU	60.6 mV	12.33 ft	300.00 ml/min
8/11/2022 11:56 AM	16:00	6.76 pH	55.23 °F	525.37 µS/cm	0.05 mg/L	27.50 NTU	61.6 mV	12.33 ft	300.00 ml/min
8/11/2022 11:57 AM	17:00	6.75 pH	55.24 °F	527.45 µS/cm	0.05 mg/L	25.71 NTU	62.7 mV	12.33 ft	300.00 ml/min
8/11/2022 11:58 AM	18:00	6.76 pH	55.12 °F	526.63 µS/cm	0.04 mg/L	17.84 NTU	63.4 mV	12.33 ft	300.00 ml/min
8/11/2022 11:59 AM	19:00	6.75 pH	55.67 °F	526.15 µS/cm	0.05 mg/L	19.25 NTU	64.4 mV	12.33 ft	300.00 ml/min
8/11/2022 12:00 PM	20:00	6.75 pH	55.36 °F	525.86 µS/cm	0.03 mg/L	14.34 NTU	65.3 mV	12.33 ft	300.00 ml/min
8/11/2022 12:01 PM	21:00	6.76 pH	55.37 °F	525.62 µS/cm	0.03 mg/L	12.23 NTU	65.7 mV	12.33 ft	300.00 ml/min
8/11/2022 12:02 PM	22:00	6.76 pH	55.29 °F	524.24 µS/cm	0.03 mg/L	9.96 NTU	66.6 mV	12.33 ft	300.00 ml/min
8/11/2022 12:03 PM	23:00	6.75 pH	55.10 °F	520.16 µS/cm	0.02 mg/L	5.55 NTU	67.5 mV	12.33 ft	300.00 ml/min
8/11/2022 12:04 PM	24:00	6.75 pH	55.25 °F	525.56 µS/cm	0.03 mg/L	6.45 NTU	68.2 mV	12.33 ft	300.00 ml/min
8/11/2022 12:05 PM	25:00	6.76 pH	55.32 °F	527.74 µS/cm	0.03 mg/L	5.63 NTU	68.7 mV	12.33 ft	300.00 ml/min
8/11/2022 12:06 PM	26:00	6.75 pH	55.43 °F	526.38 µS/cm	0.03 mg/L	5.06 NTU	69.4 mV	12.33 ft	300.00 ml/min
8/11/2022 12:07 PM	27:00	6.75 pH	55.14 °F	526.98 µS/cm	0.03 mg/L	5.35 NTU	70.2 mV	12.33 ft	300.00 ml/min
8/11/2022 12:08 PM	28:00	6.76 pH	55.20 °F	526.67 µS/cm	0.03 mg/L	3.93 NTU	70.3 mV	12.33 ft	300.00 ml/min
8/11/2022 12:09 PM	29:00	6.74 pH	56.61 °F	527.36 µS/cm	0.04 mg/L	6.27 NTU	71.1 mV	12.33 ft	300.00 ml/min
8/11/2022 12:10 PM	30:00	6.75 pH	55.08 °F	527.74 µS/cm	0.03 mg/L	4.87 NTU	72.2 mV	12.33 ft	300.00 ml/min
8/11/2022 12:11 PM	31:00	6.76 pH	54.90 °F	526.30 µS/cm	0.03 mg/L	9.21 NTU	72.1 mV	12.33 ft	300.00 ml/min
8/11/2022 12:12 PM	32:00	6.75 pH	55.04 °F	525.98 µS/cm	0.02 mg/L	3.71 NTU	73.1 mV	12.33 ft	300.00 ml/min
8/11/2022 12:13 PM	33:00	6.75 pH	55.13 °F	527.44 µS/cm	0.02 mg/L	3.15 NTU	73.7 mV	12.33 ft	300.00 ml/min
8/11/2022 12:14 PM	34:00	6.75 pH	55.10 °F	529.48 µS/cm	0.02 mg/L	2.43 NTU	74.4 mV	12.33 ft	300.00 ml/min

Samples

Sample ID:	Description:
MW-43	VOCs

Low-Flow Test Report:

Test Date / Time: 8/11/2022 11:06:49 AM
Project: HRID 3Q2022 MW-43D
Operator Name: Danielle Richardson

Location Name: HRID MW-43D **Well Diameter: 2 cm** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 21 ft** **Total Depth: 31 ft** **Initial Depth to Water: 12.11 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 7200 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/11/2022 11:06 AM	00:00	7.41 pH	55.12 °F	688.55 µS/cm	1.57 mg/L	4.66 NTU	73.4 mV	12.11 ft	300.00 ml/min
8/11/2022 11:07 AM	01:00	7.29 pH	53.11 °F	693.39 µS/cm	0.28 mg/L	4.01 NTU	65.3 mV	12.11 ft	300.00 ml/min
8/11/2022 11:08 AM	02:00	7.23 pH	52.67 °F	694.07 µS/cm	0.15 mg/L	21.85 NTU	60.2 mV	12.11 ft	300.00 ml/min
8/11/2022 11:09 AM	03:00	7.20 pH	52.56 °F	693.01 µS/cm	0.12 mg/L	52.59 NTU	56.4 mV	12.11 ft	300.00 ml/min
8/11/2022 11:10 AM	04:00	7.17 pH	52.98 °F	692.03 µS/cm	0.12 mg/L	62.87 NTU	53.0 mV	12.11 ft	300.00 ml/min
8/11/2022 11:11 AM	05:00	7.16 pH	52.69 °F	687.36 µS/cm	0.09 mg/L	73.73 NTU	49.1 mV	12.11 ft	300.00 ml/min
8/11/2022 11:12 AM	06:00	7.16 pH	52.67 °F	700.31 µS/cm	0.10 mg/L	77.15 NTU	44.1 mV	12.11 ft	300.00 ml/min
8/11/2022 11:13 AM	07:00	7.15 pH	53.47 °F	698.21 µS/cm	0.09 mg/L	73.70 NTU	39.7 mV	12.11 ft	300.00 ml/min
8/11/2022 11:14 AM	08:00	7.14 pH	53.49 °F	697.11 µS/cm	0.07 mg/L	69.98 NTU	36.0 mV	12.11 ft	300.00 ml/min
8/11/2022 11:15 AM	09:00	7.14 pH	53.32 °F	695.13 µS/cm	0.07 mg/L	51.42 NTU	31.9 mV	12.11 ft	300.00 ml/min
8/11/2022 11:16 AM	10:00	7.14 pH	53.38 °F	694.85 µS/cm	0.06 mg/L	60.58 NTU	28.1 mV	12.11 ft	300.00 ml/min
8/11/2022 11:17 AM	11:00	7.15 pH	53.15 °F	694.16 µS/cm	0.06 mg/L	48.96 NTU	24.8 mV	12.11 ft	300.00 ml/min
8/11/2022 11:18 AM	12:00	7.15 pH	52.12 °F	692.05 µS/cm	0.06 mg/L	37.73 NTU	21.9 mV	12.11 ft	300.00 ml/min
8/11/2022 11:19 AM	13:00	7.17 pH	51.59 °F	692.88 µS/cm	0.03 mg/L	25.78 NTU	18.9 mV	12.11 ft	300.00 ml/min
8/11/2022 11:20 AM	14:00	7.16 pH	51.34 °F	694.54 µS/cm	0.02 mg/L	17.95 NTU	17.0 mV	12.11 ft	300.00 ml/min

8/11/2022 11:21 AM	15:00	7.16 pH	51.18 °F	693.48 µS/cm	0.01 mg/L	11.77 NTU	15.1 mV	12.11 ft	300.00 ml/min
8/11/2022 11:22 AM	16:00	7.16 pH	51.14 °F	693.62 µS/cm	0.01 mg/L	8.83 NTU	13.1 mV	12.11 ft	300.00 ml/min
8/11/2022 11:23 AM	17:00	7.16 pH	51.28 °F	692.81 µS/cm	0.01 mg/L	6.28 NTU	11.3 mV	12.11 ft	300.00 ml/min
8/11/2022 11:24 AM	18:00	7.16 pH	51.28 °F	692.28 µS/cm	0.01 mg/L	4.52 NTU	9.7 mV	12.11 ft	300.00 ml/min
8/11/2022 11:25 AM	19:00	7.16 pH	51.18 °F	692.53 µS/cm	0.01 mg/L	3.76 NTU	8.3 mV	12.11 ft	300.00 ml/min
8/11/2022 11:26 AM	20:00	7.16 pH	51.11 °F	692.65 µS/cm	0.00 mg/L	4.29 NTU	7.1 mV	12.11 ft	300.00 ml/min
8/11/2022 11:27 AM	21:00	7.16 pH	51.32 °F	692.84 µS/cm	0.00 mg/L	3.34 NTU	5.8 mV	12.11 ft	300.00 ml/min
8/11/2022 11:28 AM	22:00	7.16 pH	51.25 °F	692.00 µS/cm	0.00 mg/L	2.50 NTU	4.8 mV	12.11 ft	300.00 ml/min
8/11/2022 11:29 AM	23:00	7.15 pH	51.26 °F	692.13 µS/cm	0.00 mg/L	2.14 NTU	3.8 mV	12.11 ft	300.00 ml/min
8/11/2022 11:30 AM	24:00	7.15 pH	51.30 °F	691.84 µS/cm	0.00 mg/L	2.12 NTU	2.9 mV	12.11 ft	300.00 ml/min

Samples

Sample ID:	Description:
MW-43D	VOCs

Low-Flow Test Report:

Test Date / Time: 8/11/2022 12:50:34 PM
Project: HRID 3Q2022 MW-46I
Operator Name: Danielle Richardson

Location Name: HRID MW-46I **Well Diameter: 2 in** **Casing Type: PVC sch 40** **Screen Length: 10 ft** **Top of Screen: 45 ft** **Total Depth: 55 ft** **Initial Depth to Water: 9.34 ft**	**Pump Type: Proactive Monsoon XL SS** **Tubing Type: Poly** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 6300 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 913928**

Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3 %	+/- 3 %	+/- 10 %	+/- 10 %	+/- 10		
8/11/2022 12:50 PM	00:00	7.32 pH	57.29 °F	671.86 µS/cm	0.57 mg/L	5.26 NTU	44.3 mV	9.34 ft	300.00 ml/min
8/11/2022 12:51 PM	01:00	7.32 pH	56.96 °F	675.15 µS/cm	0.11 mg/L	6.33 NTU	25.1 mV	9.34 ft	300.00 ml/min
8/11/2022 12:52 PM	02:00	7.29 pH	58.20 °F	679.36 µS/cm	0.10 mg/L	4.83 NTU	14.9 mV	9.34 ft	300.00 ml/min
8/11/2022 12:53 PM	03:00	7.29 pH	57.67 °F	677.97 µS/cm	0.09 mg/L	4.46 NTU	7.1 mV	9.34 ft	300.00 ml/min
8/11/2022 12:54 PM	04:00	7.28 pH	57.39 °F	678.94 µS/cm	0.07 mg/L	4.00 NTU	1.6 mV	9.34 ft	300.00 ml/min
8/11/2022 12:55 PM	05:00	7.28 pH	57.58 °F	680.47 µS/cm	0.06 mg/L	4.22 NTU	-3.8 mV	9.34 ft	300.00 ml/min
8/11/2022 12:56 PM	06:00	7.27 pH	57.80 °F	681.58 µS/cm	0.05 mg/L	4.23 NTU	-9.6 mV	9.34 ft	300.00 ml/min
8/11/2022 12:57 PM	07:00	7.26 pH	57.54 °F	684.56 µS/cm	0.05 mg/L	3.98 NTU	-15.3 mV	9.34 ft	300.00 ml/min
8/11/2022 12:58 PM	08:00	7.26 pH	57.68 °F	684.82 µS/cm	0.04 mg/L	3.32 NTU	-22.1 mV	9.34 ft	300.00 ml/min
8/11/2022 12:59 PM	09:00	7.25 pH	57.95 °F	685.55 µS/cm	0.04 mg/L	2.71 NTU	-28.2 mV	9.34 ft	300.00 ml/min
8/11/2022 1:00 PM	10:00	7.26 pH	57.99 °F	686.09 µS/cm	0.04 mg/L	2.73 NTU	-33.7 mV	9.34 ft	300.00 ml/min
8/11/2022 1:01 PM	11:00	7.26 pH	58.48 °F	686.23 µS/cm	0.04 mg/L	2.42 NTU	-38.2 mV	9.34 ft	300.00 ml/min
8/11/2022 1:02 PM	12:00	7.25 pH	58.84 °F	685.98 µS/cm	0.04 mg/L	2.48 NTU	-41.7 mV	9.34 ft	300.00 ml/min
8/11/2022 1:03 PM	13:00	7.26 pH	58.63 °F	685.92 µS/cm	0.04 mg/L	2.45 NTU	-45.2 mV	9.34 ft	300.00 ml/min
8/11/2022 1:04 PM	14:00	7.26 pH	58.72 °F	686.80 µS/cm	0.04 mg/L	2.26 NTU	-47.8 mV	9.34 ft	300.00 ml/min

8/11/2022 1:05 PM	15:00	7.26 pH	60.06 °F	688.91 µS/cm	0.04 mg/L	2.29 NTU	-50.7 mV	9.34 ft	300.00 ml/min
8/11/2022 1:06 PM	16:00	7.26 pH	59.70 °F	686.22 µS/cm	0.04 mg/L	2.33 NTU	-52.5 mV	9.34 ft	300.00 ml/min
8/11/2022 1:07 PM	17:00	7.26 pH	59.42 °F	686.57 µS/cm	0.05 mg/L	1.95 NTU	-54.3 mV	9.34 ft	300.00 ml/min
8/11/2022 1:08 PM	18:00	7.27 pH	59.89 °F	684.91 µS/cm	0.04 mg/L	1.94 NTU	-56.3 mV	9.34 ft	300.00 ml/min
8/11/2022 1:09 PM	19:00	7.26 pH	59.27 °F	685.49 µS/cm	0.04 mg/L	1.80 NTU	-57.2 mV	9.34 ft	300.00 ml/min
8/11/2022 1:10 PM	20:00	7.26 pH	59.30 °F	686.18 µS/cm	0.04 mg/L	1.67 NTU	-58.8 mV	9.34 ft	300.00 ml/min
8/11/2022 1:11 PM	21:00	7.27 pH	59.06 °F	685.29 µS/cm	0.04 mg/L	1.57 NTU	-59.8 mV	9.34 ft	300.00 ml/min

Samples

Sample ID:	Description:
MW-46I	VOCs

APPENDIX D

2Q2022 LABORATORY ANALYTICAL REPORTS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

August 18, 2022

Mr. James Cody
Patriot Engineering
6150 E 75th St
Indianapolis, IN 46250

RE: Project: HRID 3Q2022
Pace Project No.: 50323279

Dear Mr. Cody:

Enclosed are the analytical results for sample(s) received by the laboratory on August 11, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3100
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: HRID 3Q2022
Pace Project No.: 50323279

Pace Analytical Services Indianapolis
7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Michigan Drinking Water Laboratory #9050
Ohio VAP Certified Laboratory #: CL0065
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Wisconsin Laboratory #: 999788130
USDA Soil Permit #: P330-19-00257

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: HRID 3Q2022
Pace Project No.: 50323279

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50323279001	MW-24	Water	08/08/22 11:45	08/11/22 14:24
50323279002	MW-39	Water	08/08/22 11:00	08/11/22 14:24
50323279003	MW-37	Water	08/08/22 12:50	08/11/22 14:24
50323279004	MW-36	Water	08/08/22 13:35	08/11/22 14:24
50323279005	MW-32	Water	08/08/22 14:30	08/11/22 14:24
50323279006	MW-25	Water	08/08/22 15:20	08/11/22 14:24
50323279007	DUP-A	Water	08/08/22 08:00	08/11/22 14:24
50323279008	MW-23	Water	08/09/22 08:15	08/11/22 14:24
50323279009	MW-22D	Water	08/09/22 08:40	08/11/22 14:24
50323279010	MW-22	Water	08/09/22 09:30	08/11/22 14:24
50323279011	MW-33	Water	08/09/22 10:30	08/11/22 14:24
50323279012	MW-33D	Water	08/09/22 11:20	08/11/22 14:24
50323279013	MW-11	Water	08/09/22 09:05	08/11/22 14:24
50323279014	MW-30	Water	08/09/22 10:05	08/11/22 14:24
50323279015	MW-42	Water	08/10/22 09:05	08/11/22 14:24
50323279016	MW-42D	Water	08/10/22 08:30	08/11/22 14:24
50323279017	MW-40S	Water	08/10/22 15:20	08/11/22 14:24
50323279018	MW-12	Water	08/10/22 11:40	08/11/22 14:24
50323279019	MW-12D	Water	08/10/22 12:15	08/11/22 14:24
50323279020	MW-29	Water	08/10/22 16:10	08/11/22 14:24
50323279021	MW-29D	Water	08/10/22 12:55	08/11/22 14:24
50323279022	MW-41	Water	08/10/22 14:05	08/11/22 14:24
50323279023	MW-41D	Water	08/10/22 14:40	08/11/22 14:24
50323279024	DUP-B	Water	08/10/22 08:00	08/11/22 14:24
50323279025	MW-14D	Water	08/11/22 08:50	08/11/22 14:24
50323279026	MW-14	Water	08/11/22 09:30	08/11/22 14:24
50323279027	MW-15D	Water	08/11/22 10:10	08/11/22 14:24
50323279028	MW-15	Water	08/11/22 10:50	08/11/22 14:24
50323279029	MW-43D	Water	08/11/22 11:35	08/11/22 14:24
50323279030	MW-43	Water	08/11/22 12:25	08/11/22 14:24
50323279031	MW-46I	Water	08/11/22 13:20	08/11/22 14:24
50323279032	Trip Blank	Water	08/08/22 08:00	08/11/22 14:24

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SAMPLE ANALYTE COUNT

Project: HRID 3Q2022
Pace Project No.: 50323279

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
50323279001	MW-24	EPA 5030/8260	TLS1	75	PASI-I
50323279002	MW-39	EPA 5030/8260	TLS1	75	PASI-I
50323279003	MW-37	EPA 5030/8260	TLS1	75	PASI-I
50323279004	MW-36	EPA 5030/8260	TLS1	75	PASI-I
50323279005	MW-32	EPA 5030/8260	TLS1	75	PASI-I
50323279006	MW-25	EPA 5030/8260	TLS1	75	PASI-I
50323279007	DUP-A	EPA 5030/8260	TLS1	75	PASI-I
50323279008	MW-23	EPA 5030/8260	TLS1	75	PASI-I
50323279009	MW-22D	EPA 5030/8260	TLS1	75	PASI-I
50323279010	MW-22	EPA 5030/8260	TLS1	75	PASI-I
50323279011	MW-33	EPA 5030/8260	TLS1	75	PASI-I
50323279012	MW-33D	EPA 5030/8260	TLS1	75	PASI-I
50323279013	MW-11	EPA 5030/8260	TLS1	75	PASI-I
50323279014	MW-30	EPA 5030/8260	TLS1	75	PASI-I
50323279015	MW-42	EPA 5030/8260	TLS1	75	PASI-I
50323279016	MW-42D	EPA 5030/8260	TLS1	75	PASI-I
50323279017	MW-40S	EPA 5030/8260	TLS1	75	PASI-I
50323279018	MW-12	EPA 5030/8260	TLS1	75	PASI-I
50323279019	MW-12D	EPA 5030/8260	TLS1	75	PASI-I
50323279020	MW-29	EPA 5030/8260	TLS1	75	PASI-I
50323279021	MW-29D	EPA 5030/8260	TLS1	75	PASI-I
50323279022	MW-41	EPA 5030/8260	TLS1	75	PASI-I
50323279023	MW-41D	EPA 5030/8260	TLS1	75	PASI-I
50323279024	DUP-B	EPA 5030/8260	TLS1	75	PASI-I
50323279025	MW-14D	EPA 5030/8260	TLS1	75	PASI-I
50323279026	MW-14	EPA 5030/8260	TLS1	75	PASI-I
50323279027	MW-15D	EPA 5030/8260	TLS1	75	PASI-I
50323279028	MW-15	EPA 5030/8260	TLS1	75	PASI-I
50323279029	MW-43D	EPA 5030/8260	TLS1	75	PASI-I
50323279030	MW-43	EPA 5030/8260	TLS1	75	PASI-I
50323279031	MW-46I	EPA 5030/8260	TLS1	75	PASI-I
50323279032	Trip Blank	EPA 5030/8260	TLS1	75	PASI-I

PASI-I = Pace Analytical Services - Indianapolis

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: HRID 3Q2022
Pace Project No.: 50323279

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50323279001	**MW-24**					
EPA 5030/8260	cis-1,2-Dichloroethene	193	ug/L	5.0	08/13/22 00:47	
EPA 5030/8260	Tetrachloroethene	86.1	ug/L	5.0	08/13/22 00:47	
EPA 5030/8260	Trichloroethene	25.1	ug/L	5.0	08/13/22 00:47	
50323279002	**MW-39**					
EPA 5030/8260	Tetrachloroethene	13.2	ug/L	5.0	08/15/22 22:00	
EPA 5030/8260	Trichloroethene	10.9	ug/L	5.0	08/15/22 22:00	
EPA 5030/8260	Vinyl chloride	10.1	ug/L	2.0	08/15/22 22:00	
50323279003	**MW-37**					
EPA 5030/8260	Tetrachloroethene	22.4	ug/L	5.0	08/15/22 22:23	
EPA 5030/8260	Trichloroethene	23.3	ug/L	5.0	08/15/22 22:23	
50323279004	**MW-36**					
EPA 5030/8260	Tetrachloroethene	8.9	ug/L	5.0	08/15/22 22:46	
EPA 5030/8260	Trichloroethene	23.5	ug/L	5.0	08/15/22 22:46	
50323279005	**MW-32**					
EPA 5030/8260	cis-1,2-Dichloroethene	22.9	ug/L	5.0	08/15/22 23:10	
EPA 5030/8260	Tetrachloroethene	8.3	ug/L	5.0	08/15/22 23:10	
EPA 5030/8260	Trichloroethene	15.1	ug/L	5.0	08/15/22 23:10	
50323279006	**MW-25**					
EPA 5030/8260	Tetrachloroethene	6.6	ug/L	5.0	08/15/22 23:33	
EPA 5030/8260	Trichloroethene	9.4	ug/L	5.0	08/15/22 23:33	
EPA 5030/8260	Vinyl chloride	17.9	ug/L	2.0	08/15/22 23:33	
50323279007	**DUP-A**					
EPA 5030/8260	Tetrachloroethene	6.0	ug/L	5.0	08/15/22 23:57	
EPA 5030/8260	Trichloroethene	8.9	ug/L	5.0	08/15/22 23:57	
EPA 5030/8260	Vinyl chloride	18.8	ug/L	2.0	08/15/22 23:57	
50323279008	**MW-23**					
EPA 5030/8260	2-Butanone (MEK)	57.8	ug/L	25.0	08/16/22 00:20	
EPA 5030/8260	cis-1,2-Dichloroethene	192	ug/L	5.0	08/16/22 00:20	
EPA 5030/8260	Vinyl chloride	14.3	ug/L	2.0	08/16/22 00:20	
50323279009	**MW-22D**					
EPA 5030/8260	cis-1,2-Dichloroethene	103	ug/L	5.0	08/16/22 19:23	
EPA 5030/8260	Tetrachloroethene	10.9	ug/L	5.0	08/16/22 19:23	
EPA 5030/8260	Trichloroethene	36.3	ug/L	5.0	08/16/22 19:23	
EPA 5030/8260	Vinyl chloride	14.3	ug/L	2.0	08/16/22 19:23	
50323279010	**MW-22**					
EPA 5030/8260	cis-1,2-Dichloroethene	168	ug/L	5.0	08/16/22 00:44	
EPA 5030/8260	Vinyl chloride	36.1	ug/L	2.0	08/16/22 00:44	
50323279011	**MW-33**					
EPA 5030/8260	cis-1,2-Dichloroethene	14.3	ug/L	5.0	08/16/22 01:07	
EPA 5030/8260	Tetrachloroethene	26.4	ug/L	5.0	08/16/22 01:07	
EPA 5030/8260	Trichloroethene	41.1	ug/L	5.0	08/16/22 01:07	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: HRID 3Q2022
Pace Project No.: 50323279

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50323279011	**MW-33**					
EPA 5030/8260	Vinyl chloride	5.3	ug/L	2.0	08/16/22 01:07	
50323279012	**MW-33D**					
EPA 5030/8260	cis-1,2-Dichloroethene	9.8	ug/L	5.0	08/16/22 01:31	
EPA 5030/8260	Tetrachloroethene	30.0	ug/L	5.0	08/16/22 01:31	
EPA 5030/8260	Trichloroethene	97.3	ug/L	5.0	08/16/22 01:31	
50323279013	**MW-11**					
EPA 5030/8260	cis-1,2-Dichloroethene	280	ug/L	5.0	08/16/22 01:54	
EPA 5030/8260	Tetrachloroethene	9.0	ug/L	5.0	08/16/22 01:54	
EPA 5030/8260	Trichloroethene	6.4	ug/L	5.0	08/16/22 01:54	
50323279014	**MW-30**					
EPA 5030/8260	cis-1,2-Dichloroethene	298	ug/L	5.0	08/16/22 02:17	
EPA 5030/8260	trans-1,2-Dichloroethene	11.4	ug/L	5.0	08/16/22 02:17	
EPA 5030/8260	Vinyl chloride	102	ug/L	2.0	08/16/22 02:17	
50323279015	**MW-42**					
EPA 5030/8260	Trichloroethene	204	ug/L	5.0	08/16/22 12:13	
50323279016	**MW-42D**					
EPA 5030/8260	cis-1,2-Dichloroethene	365	ug/L	50.0	08/16/22 13:22	
EPA 5030/8260	trans-1,2-Dichloroethene	31.2	ug/L	5.0	08/16/22 12:47	
EPA 5030/8260	Trichloroethene	122	ug/L	5.0	08/16/22 12:47	
50323279017	**MW-40S**					
EPA 5030/8260	cis-1,2-Dichloroethene	88.5	ug/L	5.0	08/16/22 13:56	
EPA 5030/8260	trans-1,2-Dichloroethene	82.4	ug/L	5.0	08/16/22 13:56	
EPA 5030/8260	Trichloroethene	182	ug/L	5.0	08/16/22 13:56	
50323279018	**MW-12**					
EPA 5030/8260	Trichloroethene	52.6	ug/L	5.0	08/16/22 13:39	
50323279020	**MW-29**					
EPA 5030/8260	cis-1,2-Dichloroethene	102	ug/L	5.0	08/16/22 14:13	
50323279021	**MW-29D**					
EPA 5030/8260	cis-1,2-Dichloroethene	98.3	ug/L	5.0	08/16/22 14:48	
EPA 5030/8260	Tetrachloroethene	16.5	ug/L	5.0	08/16/22 14:48	
EPA 5030/8260	Trichloroethene	140	ug/L	5.0	08/16/22 14:48	
50323279022	**MW-41**					
EPA 5030/8260	cis-1,2-Dichloroethene	90.4	ug/L	5.0	08/16/22 15:22	
EPA 5030/8260	Trichloroethene	243	ug/L	5.0	08/16/22 15:22	
EPA 5030/8260	Vinyl chloride	3.9	ug/L	2.0	08/16/22 15:22	
50323279023	**MW-41D**					
EPA 5030/8260	cis-1,2-Dichloroethene	13.9	ug/L	5.0	08/16/22 15:57	
EPA 5030/8260	Vinyl chloride	7.4	ug/L	2.0	08/16/22 15:57	
50323279024	**DUP-B**					
EPA 5030/8260	Trichloroethene	213	ug/L	5.0	08/16/22 16:31	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

SUMMARY OF DETECTION

Project: HRID 3Q2022
Pace Project No.: 50323279

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
50323279025	**MW-14D**					
EPA 5030/8260	cis-1,2-Dichloroethene	33.9	ug/L	5.0	08/16/22 17:05	
EPA 5030/8260	Trichloroethene	285	ug/L	5.0	08/16/22 17:05	
50323279027	**MW-15D**					
EPA 5030/8260	cis-1,2-Dichloroethene	58.0	ug/L	5.0	08/16/22 15:05	
50323279028	**MW-15**					
EPA 5030/8260	Trichloroethene	44.2	ug/L	5.0	08/16/22 15:39	
50323279031	**MW-46I**					
EPA 5030/8260	cis-1,2-Dichloroethene	84.5	ug/L	5.0	08/15/22 21:36	
EPA 5030/8260	Vinyl chloride	8.1	ug/L	2.0	08/15/22 21:36	

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-24 **Lab ID: 50323279001** Collected: 08/08/22 11:45 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/13/22 00:47	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/13/22 00:47	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/13/22 00:47	107-13-1	
Benzene	ND	ug/L	5.0	1		08/13/22 00:47	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/13/22 00:47	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/13/22 00:47	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/13/22 00:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/13/22 00:47	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/13/22 00:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/13/22 00:47	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/13/22 00:47	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/13/22 00:47	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/13/22 00:47	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/13/22 00:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/13/22 00:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/13/22 00:47	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/13/22 00:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/13/22 00:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/13/22 00:47	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/13/22 00:47	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/13/22 00:47	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/13/22 00:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/13/22 00:47	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/13/22 00:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/13/22 00:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/13/22 00:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/13/22 00:47	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/13/22 00:47	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/13/22 00:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/13/22 00:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/13/22 00:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/13/22 00:47	75-35-4	
cis-1,2-Dichloroethene	**193**	ug/L	5.0	1		08/13/22 00:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/13/22 00:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/13/22 00:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/13/22 00:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/13/22 00:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/13/22 00:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/13/22 00:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/13/22 00:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/13/22 00:47	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/13/22 00:47	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/13/22 00:47	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/13/22 00:47	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/13/22 00:47	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/13/22 00:47	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-24 **Lab ID: 50323279001** Collected: 08/08/22 11:45 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/13/22 00:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/13/22 00:47	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/13/22 00:47	75-09-2	L1
1-Methylnaphthalene	ND	ug/L	10.0	1		08/13/22 00:47	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/13/22 00:47	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/13/22 00:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/13/22 00:47	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/13/22 00:47	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/13/22 00:47	103-65-1	
Styrene	ND	ug/L	5.0	1		08/13/22 00:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/13/22 00:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/13/22 00:47	79-34-5	
Tetrachloroethene	**86.1**	ug/L	5.0	1		08/13/22 00:47	127-18-4	
Toluene	ND	ug/L	5.0	1		08/13/22 00:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/13/22 00:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/13/22 00:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/13/22 00:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/13/22 00:47	79-00-5	
Trichloroethene	**25.1**	ug/L	5.0	1		08/13/22 00:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/13/22 00:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/13/22 00:47	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/13/22 00:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/13/22 00:47	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/13/22 00:47	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/13/22 00:47	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/13/22 00:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	82-128	1		08/13/22 00:47	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	79-124	1		08/13/22 00:47	460-00-4	
Toluene-d8 (S)	97	%.	73-122	1		08/13/22 00:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-39 **Lab ID: 50323279002** Collected: 08/08/22 11:00 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/15/22 22:00	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/15/22 22:00	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/15/22 22:00	107-13-1	
Benzene	ND	ug/L	5.0	1		08/15/22 22:00	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/15/22 22:00	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/15/22 22:00	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/15/22 22:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/15/22 22:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/15/22 22:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/15/22 22:00	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/15/22 22:00	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/15/22 22:00	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/15/22 22:00	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/15/22 22:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/15/22 22:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/15/22 22:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/15/22 22:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/15/22 22:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/15/22 22:00	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 22:00	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 22:00	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/15/22 22:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/15/22 22:00	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/15/22 22:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/15/22 22:00	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/15/22 22:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/15/22 22:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/15/22 22:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/15/22 22:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 22:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 22:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 22:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/15/22 22:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 22:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/15/22 22:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 22:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 22:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/15/22 22:00	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/15/22 22:00	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/15/22 22:00	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/15/22 22:00	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/15/22 22:00	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/15/22 22:00	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-39 **Lab ID: 50323279002** Collected: 08/08/22 11:00 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/15/22 22:00	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/15/22 22:00	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/15/22 22:00	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 22:00	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 22:00	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/15/22 22:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/15/22 22:00	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/15/22 22:00	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/15/22 22:00	103-65-1	
Styrene	ND	ug/L	5.0	1		08/15/22 22:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 22:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 22:00	79-34-5	
Tetrachloroethene	**13.2**	ug/L	5.0	1		08/15/22 22:00	127-18-4	
Toluene	ND	ug/L	5.0	1		08/15/22 22:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/15/22 22:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/15/22 22:00	79-00-5	
Trichloroethene	**10.9**	ug/L	5.0	1		08/15/22 22:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/15/22 22:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/15/22 22:00	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 22:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 22:00	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/15/22 22:00	108-05-4	L1
Vinyl chloride	**10.1**	ug/L	2.0	1		08/15/22 22:00	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/15/22 22:00	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	82-128	1		08/15/22 22:00	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	79-124	1		08/15/22 22:00	460-00-4	
Toluene-d8 (S)	99	%.	73-122	1		08/15/22 22:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-37 **Lab ID: 50323279003** Collected: 08/08/22 12:50 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/15/22 22:23	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/15/22 22:23	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/15/22 22:23	107-13-1	
Benzene	ND	ug/L	5.0	1		08/15/22 22:23	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/15/22 22:23	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/15/22 22:23	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/15/22 22:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/15/22 22:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/15/22 22:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/15/22 22:23	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/15/22 22:23	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/15/22 22:23	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/15/22 22:23	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/15/22 22:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/15/22 22:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/15/22 22:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/15/22 22:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/15/22 22:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/15/22 22:23	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 22:23	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 22:23	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/15/22 22:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/15/22 22:23	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/15/22 22:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/15/22 22:23	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/15/22 22:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/15/22 22:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/15/22 22:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/15/22 22:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 22:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 22:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 22:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/15/22 22:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 22:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/15/22 22:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 22:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 22:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/15/22 22:23	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/15/22 22:23	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/15/22 22:23	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/15/22 22:23	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/15/22 22:23	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/15/22 22:23	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-37 **Lab ID: 50323279003** Collected: 08/08/22 12:50 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/15/22 22:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/15/22 22:23	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/15/22 22:23	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 22:23	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 22:23	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/15/22 22:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/15/22 22:23	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/15/22 22:23	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/15/22 22:23	103-65-1	
Styrene	ND	ug/L	5.0	1		08/15/22 22:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 22:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 22:23	79-34-5	
Tetrachloroethene	**22.4**	ug/L	5.0	1		08/15/22 22:23	127-18-4	
Toluene	ND	ug/L	5.0	1		08/15/22 22:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/15/22 22:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/15/22 22:23	79-00-5	
Trichloroethene	**23.3**	ug/L	5.0	1		08/15/22 22:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/15/22 22:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/15/22 22:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 22:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 22:23	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/15/22 22:23	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/15/22 22:23	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/15/22 22:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	82-128	1		08/15/22 22:23	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	79-124	1		08/15/22 22:23	460-00-4	
Toluene-d8 (S)	97	%.	73-122	1		08/15/22 22:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-36 **Lab ID: 50323279004** Collected: 08/08/22 13:35 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/15/22 22:46	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/15/22 22:46	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/15/22 22:46	107-13-1	
Benzene	ND	ug/L	5.0	1		08/15/22 22:46	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/15/22 22:46	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/15/22 22:46	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/15/22 22:46	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/15/22 22:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/15/22 22:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/15/22 22:46	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/15/22 22:46	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/15/22 22:46	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/15/22 22:46	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/15/22 22:46	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/15/22 22:46	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/15/22 22:46	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/15/22 22:46	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/15/22 22:46	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/15/22 22:46	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 22:46	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 22:46	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/15/22 22:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/15/22 22:46	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/15/22 22:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/15/22 22:46	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/15/22 22:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/15/22 22:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/15/22 22:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/15/22 22:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 22:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 22:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 22:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/15/22 22:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 22:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/15/22 22:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 22:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 22:46	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/15/22 22:46	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/15/22 22:46	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/15/22 22:46	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/15/22 22:46	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/15/22 22:46	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/15/22 22:46	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-36 **Lab ID: 50323279004** Collected: 08/08/22 13:35 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/15/22 22:46	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/15/22 22:46	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/15/22 22:46	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 22:46	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 22:46	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/15/22 22:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/15/22 22:46	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/15/22 22:46	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/15/22 22:46	103-65-1	
Styrene	ND	ug/L	5.0	1		08/15/22 22:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 22:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 22:46	79-34-5	
Tetrachloroethene	**8.9**	ug/L	5.0	1		08/15/22 22:46	127-18-4	
Toluene	ND	ug/L	5.0	1		08/15/22 22:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 22:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/15/22 22:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/15/22 22:46	79-00-5	
Trichloroethene	**23.5**	ug/L	5.0	1		08/15/22 22:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/15/22 22:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/15/22 22:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 22:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 22:46	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/15/22 22:46	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/15/22 22:46	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/15/22 22:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	82-128	1		08/15/22 22:46	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	79-124	1		08/15/22 22:46	460-00-4	
Toluene-d8 (S)	99	%.	73-122	1		08/15/22 22:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-32 **Lab ID: 50323279005** Collected: 08/08/22 14:30 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/15/22 23:10	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/15/22 23:10	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/15/22 23:10	107-13-1	
Benzene	ND	ug/L	5.0	1		08/15/22 23:10	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/15/22 23:10	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/15/22 23:10	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/15/22 23:10	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/15/22 23:10	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/15/22 23:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/15/22 23:10	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/15/22 23:10	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/15/22 23:10	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/15/22 23:10	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/15/22 23:10	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/15/22 23:10	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/15/22 23:10	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/15/22 23:10	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/15/22 23:10	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/15/22 23:10	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 23:10	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 23:10	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/15/22 23:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/15/22 23:10	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/15/22 23:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/15/22 23:10	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/15/22 23:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/15/22 23:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/15/22 23:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/15/22 23:10	75-35-4	
cis-1,2-Dichloroethene	**22.9**	ug/L	5.0	1		08/15/22 23:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 23:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 23:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/15/22 23:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 23:10	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/15/22 23:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 23:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 23:10	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/15/22 23:10	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/15/22 23:10	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/15/22 23:10	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/15/22 23:10	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/15/22 23:10	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/15/22 23:10	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-32 **Lab ID: 50323279005** Collected: 08/08/22 14:30 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/15/22 23:10	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/15/22 23:10	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/15/22 23:10	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 23:10	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 23:10	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/15/22 23:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/15/22 23:10	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/15/22 23:10	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/15/22 23:10	103-65-1	
Styrene	ND	ug/L	5.0	1		08/15/22 23:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 23:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 23:10	79-34-5	
Tetrachloroethene	**8.3**	ug/L	5.0	1		08/15/22 23:10	127-18-4	
Toluene	ND	ug/L	5.0	1		08/15/22 23:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/15/22 23:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/15/22 23:10	79-00-5	
Trichloroethene	**15.1**	ug/L	5.0	1		08/15/22 23:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/15/22 23:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/15/22 23:10	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 23:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 23:10	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/15/22 23:10	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/15/22 23:10	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/15/22 23:10	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	82-128	1		08/15/22 23:10	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	79-124	1		08/15/22 23:10	460-00-4	
Toluene-d8 (S)	100	%.	73-122	1		08/15/22 23:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-25 **Lab ID: 50323279006** Collected: 08/08/22 15:20 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/15/22 23:33	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/15/22 23:33	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/15/22 23:33	107-13-1	
Benzene	ND	ug/L	5.0	1		08/15/22 23:33	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/15/22 23:33	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/15/22 23:33	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/15/22 23:33	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/15/22 23:33	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/15/22 23:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/15/22 23:33	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/15/22 23:33	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/15/22 23:33	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/15/22 23:33	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/15/22 23:33	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/15/22 23:33	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/15/22 23:33	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/15/22 23:33	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/15/22 23:33	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/15/22 23:33	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 23:33	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 23:33	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/15/22 23:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/15/22 23:33	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/15/22 23:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:33	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/15/22 23:33	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/15/22 23:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/15/22 23:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/15/22 23:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/15/22 23:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 23:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 23:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 23:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/15/22 23:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 23:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/15/22 23:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 23:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 23:33	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/15/22 23:33	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/15/22 23:33	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/15/22 23:33	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/15/22 23:33	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/15/22 23:33	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/15/22 23:33	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-25 **Lab ID: 50323279006** Collected: 08/08/22 15:20 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/15/22 23:33	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/15/22 23:33	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/15/22 23:33	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 23:33	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 23:33	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/15/22 23:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/15/22 23:33	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/15/22 23:33	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/15/22 23:33	103-65-1	
Styrene	ND	ug/L	5.0	1		08/15/22 23:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 23:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 23:33	79-34-5	
Tetrachloroethene	**6.6**	ug/L	5.0	1		08/15/22 23:33	127-18-4	
Toluene	ND	ug/L	5.0	1		08/15/22 23:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/15/22 23:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/15/22 23:33	79-00-5	
Trichloroethene	**9.4**	ug/L	5.0	1		08/15/22 23:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/15/22 23:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/15/22 23:33	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 23:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 23:33	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/15/22 23:33	108-05-4	L1
Vinyl chloride	**17.9**	ug/L	2.0	1		08/15/22 23:33	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/15/22 23:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	82-128	1		08/15/22 23:33	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	79-124	1		08/15/22 23:33	460-00-4	
Toluene-d8 (S)	96	%.	73-122	1		08/15/22 23:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: DUP-A **Lab ID: 50323279007** Collected: 08/08/22 08:00 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/15/22 23:57	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/15/22 23:57	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/15/22 23:57	107-13-1	
Benzene	ND	ug/L	5.0	1		08/15/22 23:57	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/15/22 23:57	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/15/22 23:57	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/15/22 23:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/15/22 23:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/15/22 23:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/15/22 23:57	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/15/22 23:57	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/15/22 23:57	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/15/22 23:57	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/15/22 23:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/15/22 23:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/15/22 23:57	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/15/22 23:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/15/22 23:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/15/22 23:57	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 23:57	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 23:57	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/15/22 23:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/15/22 23:57	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/15/22 23:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/15/22 23:57	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/15/22 23:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/15/22 23:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/15/22 23:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/15/22 23:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 23:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 23:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 23:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/15/22 23:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 23:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/15/22 23:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 23:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 23:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/15/22 23:57	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/15/22 23:57	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/15/22 23:57	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/15/22 23:57	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/15/22 23:57	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/15/22 23:57	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: DUP-A **Lab ID: 50323279007** Collected: 08/08/22 08:00 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/15/22 23:57	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/15/22 23:57	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/15/22 23:57	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 23:57	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 23:57	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/15/22 23:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/15/22 23:57	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/15/22 23:57	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/15/22 23:57	103-65-1	
Styrene	ND	ug/L	5.0	1		08/15/22 23:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 23:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 23:57	79-34-5	
Tetrachloroethene	**6.0**	ug/L	5.0	1		08/15/22 23:57	127-18-4	
Toluene	ND	ug/L	5.0	1		08/15/22 23:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 23:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/15/22 23:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/15/22 23:57	79-00-5	
Trichloroethene	**8.9**	ug/L	5.0	1		08/15/22 23:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/15/22 23:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/15/22 23:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 23:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 23:57	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/15/22 23:57	108-05-4	L1
Vinyl chloride	**18.8**	ug/L	2.0	1		08/15/22 23:57	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/15/22 23:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	82-128	1		08/15/22 23:57	1868-53-7	
4-Bromofluorobenzene (S)	94	%.	79-124	1		08/15/22 23:57	460-00-4	
Toluene-d8 (S)	97	%.	73-122	1		08/15/22 23:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-23 **Lab ID: 50323279008** Collected: 08/09/22 08:15 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 00:20	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 00:20	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 00:20	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 00:20	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 00:20	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 00:20	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 00:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 00:20	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 00:20	74-83-9	
2-Butanone (MEK)	**57.8**	ug/L	25.0	1		08/16/22 00:20	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 00:20	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 00:20	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 00:20	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 00:20	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 00:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 00:20	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 00:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 00:20	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 00:20	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 00:20	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 00:20	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 00:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 00:20	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 00:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 00:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 00:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 00:20	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 00:20	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 00:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 00:20	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 00:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 00:20	75-35-4	
cis-1,2-Dichloroethene	**192**	ug/L	5.0	1		08/16/22 00:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 00:20	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 00:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 00:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 00:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 00:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 00:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 00:20	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 00:20	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 00:20	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 00:20	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 00:20	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 00:20	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 00:20	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-23 **Lab ID: 50323279008** Collected: 08/09/22 08:15 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 00:20	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 00:20	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 00:20	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 00:20	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 00:20	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 00:20	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 00:20	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 00:20	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 00:20	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 00:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 00:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 00:20	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 00:20	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 00:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 00:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 00:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 00:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 00:20	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/16/22 00:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 00:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 00:20	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 00:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 00:20	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 00:20	108-05-4	L1
Vinyl chloride	**14.3**	ug/L	2.0	1		08/16/22 00:20	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 00:20	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	82-128	1		08/16/22 00:20	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	79-124	1		08/16/22 00:20	460-00-4	
Toluene-d8 (S)	96	%.	73-122	1		08/16/22 00:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-22D **Lab ID: 50323279009** Collected: 08/09/22 08:40 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 19:23	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 19:23	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/16/22 19:23	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 19:23	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 19:23	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 19:23	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 19:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 19:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 19:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 19:23	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 19:23	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 19:23	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 19:23	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 19:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 19:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 19:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 19:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 19:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 19:23	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 19:23	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 19:23	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 19:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 19:23	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 19:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 19:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 19:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 19:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 19:23	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 19:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 19:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 19:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 19:23	75-35-4	
cis-1,2-Dichloroethene	**103**	ug/L	5.0	1		08/16/22 19:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 19:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 19:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 19:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 19:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 19:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 19:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 19:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 19:23	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 19:23	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 19:23	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 19:23	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 19:23	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 19:23	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-22D **Lab ID: 50323279009** Collected: 08/09/22 08:40 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 19:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 19:23	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 19:23	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 19:23	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 19:23	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 19:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 19:23	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 19:23	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 19:23	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 19:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 19:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 19:23	79-34-5	
Tetrachloroethene	**10.9**	ug/L	5.0	1		08/16/22 19:23	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 19:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 19:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 19:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 19:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 19:23	79-00-5	
Trichloroethene	**36.3**	ug/L	5.0	1		08/16/22 19:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 19:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 19:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 19:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 19:23	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 19:23	108-05-4	L1
Vinyl chloride	**14.3**	ug/L	2.0	1		08/16/22 19:23	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 19:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	82-128	1		08/16/22 19:23	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-124	1		08/16/22 19:23	460-00-4	
Toluene-d8 (S)	96	%.	73-122	1		08/16/22 19:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-22 **Lab ID: 50323279010** Collected: 08/09/22 09:30 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 00:44	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 00:44	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 00:44	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 00:44	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 00:44	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 00:44	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 00:44	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 00:44	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 00:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 00:44	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 00:44	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 00:44	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 00:44	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 00:44	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 00:44	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 00:44	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 00:44	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 00:44	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 00:44	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 00:44	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 00:44	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 00:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 00:44	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 00:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 00:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 00:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 00:44	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 00:44	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 00:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 00:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 00:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 00:44	75-35-4	
cis-1,2-Dichloroethene	**168**	ug/L	5.0	1		08/16/22 00:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 00:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 00:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 00:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 00:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 00:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 00:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 00:44	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 00:44	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 00:44	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 00:44	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 00:44	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 00:44	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 00:44	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-22 **Lab ID: 50323279010** Collected: 08/09/22 09:30 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 00:44	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 00:44	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 00:44	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 00:44	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 00:44	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 00:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 00:44	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 00:44	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 00:44	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 00:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 00:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 00:44	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 00:44	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 00:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 00:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 00:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 00:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 00:44	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/16/22 00:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 00:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 00:44	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 00:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 00:44	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 00:44	108-05-4	L1
Vinyl chloride	**36.1**	ug/L	2.0	1		08/16/22 00:44	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 00:44	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	82-128	1		08/16/22 00:44	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	79-124	1		08/16/22 00:44	460-00-4	
Toluene-d8 (S)	99	%.	73-122	1		08/16/22 00:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-33 **Lab ID: 50323279011** Collected: 08/09/22 10:30 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 01:07	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 01:07	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 01:07	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 01:07	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 01:07	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 01:07	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 01:07	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 01:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 01:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 01:07	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 01:07	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 01:07	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 01:07	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 01:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 01:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 01:07	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 01:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 01:07	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 01:07	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 01:07	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 01:07	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 01:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 01:07	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 01:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 01:07	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 01:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 01:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 01:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 01:07	75-35-4	
cis-1,2-Dichloroethene	**14.3**	ug/L	5.0	1		08/16/22 01:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 01:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 01:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 01:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 01:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 01:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 01:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 01:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 01:07	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 01:07	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 01:07	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 01:07	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 01:07	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 01:07	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-33 **Lab ID: 50323279011** Collected: 08/09/22 10:30 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 01:07	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 01:07	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 01:07	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 01:07	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 01:07	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 01:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 01:07	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 01:07	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 01:07	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 01:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 01:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 01:07	79-34-5	
Tetrachloroethene	**26.4**	ug/L	5.0	1		08/16/22 01:07	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 01:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 01:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 01:07	79-00-5	
Trichloroethene	**41.1**	ug/L	5.0	1		08/16/22 01:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 01:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 01:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 01:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 01:07	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 01:07	108-05-4	L1
Vinyl chloride	**5.3**	ug/L	2.0	1		08/16/22 01:07	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 01:07	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	82-128	1		08/16/22 01:07	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	79-124	1		08/16/22 01:07	460-00-4	
Toluene-d8 (S)	96	%.	73-122	1		08/16/22 01:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-33D **Lab ID: 50323279012** Collected: 08/09/22 11:20 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 01:31	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 01:31	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 01:31	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 01:31	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 01:31	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 01:31	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 01:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 01:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 01:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 01:31	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 01:31	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 01:31	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 01:31	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 01:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 01:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 01:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 01:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 01:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 01:31	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 01:31	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 01:31	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 01:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 01:31	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 01:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:31	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 01:31	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 01:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 01:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 01:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 01:31	75-35-4	
cis-1,2-Dichloroethene	**9.8**	ug/L	5.0	1		08/16/22 01:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 01:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 01:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 01:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 01:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 01:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 01:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 01:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 01:31	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 01:31	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 01:31	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 01:31	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 01:31	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 01:31	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-33D **Lab ID: 50323279012** Collected: 08/09/22 11:20 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 01:31	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 01:31	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 01:31	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 01:31	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 01:31	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 01:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 01:31	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 01:31	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 01:31	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 01:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 01:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 01:31	79-34-5	
Tetrachloroethene	**30.0**	ug/L	5.0	1		08/16/22 01:31	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 01:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 01:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 01:31	79-00-5	
Trichloroethene	**97.3**	ug/L	5.0	1		08/16/22 01:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 01:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 01:31	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 01:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 01:31	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 01:31	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 01:31	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 01:31	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	82-128	1		08/16/22 01:31	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	79-124	1		08/16/22 01:31	460-00-4	
Toluene-d8 (S)	98	%.	73-122	1		08/16/22 01:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-11 **Lab ID: 50323279013** Collected: 08/09/22 09:05 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 01:54	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 01:54	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 01:54	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 01:54	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 01:54	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 01:54	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 01:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 01:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 01:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 01:54	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 01:54	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 01:54	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 01:54	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 01:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 01:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 01:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 01:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 01:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 01:54	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 01:54	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 01:54	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 01:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 01:54	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 01:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 01:54	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 01:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 01:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 01:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 01:54	75-35-4	
cis-1,2-Dichloroethene	**280**	ug/L	5.0	1		08/16/22 01:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 01:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 01:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 01:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 01:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 01:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 01:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 01:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 01:54	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 01:54	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 01:54	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 01:54	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 01:54	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 01:54	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-11 **Lab ID: 50323279013** Collected: 08/09/22 09:05 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 01:54	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 01:54	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 01:54	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 01:54	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 01:54	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 01:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 01:54	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 01:54	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 01:54	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 01:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 01:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 01:54	79-34-5	
Tetrachloroethene	**9.0**	ug/L	5.0	1		08/16/22 01:54	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 01:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 01:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 01:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 01:54	79-00-5	
Trichloroethene	**6.4**	ug/L	5.0	1		08/16/22 01:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 01:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 01:54	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 01:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 01:54	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 01:54	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 01:54	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 01:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	82-128	1		08/16/22 01:54	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	79-124	1		08/16/22 01:54	460-00-4	
Toluene-d8 (S)	97	%.	73-122	1		08/16/22 01:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-30 **Lab ID: 50323279014** Collected: 08/09/22 10:05 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 02:17	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 02:17	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 02:17	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 02:17	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 02:17	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 02:17	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 02:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 02:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 02:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 02:17	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 02:17	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 02:17	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 02:17	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 02:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 02:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 02:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 02:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 02:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 02:17	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 02:17	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 02:17	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 02:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 02:17	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 02:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 02:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 02:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 02:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 02:17	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 02:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 02:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 02:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 02:17	75-35-4	
cis-1,2-Dichloroethene	**298**	ug/L	5.0	1		08/16/22 02:17	156-59-2	
trans-1,2-Dichloroethene	**11.4**	ug/L	5.0	1		08/16/22 02:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 02:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 02:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 02:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 02:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 02:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 02:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 02:17	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 02:17	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 02:17	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 02:17	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 02:17	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 02:17	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-30 **Lab ID: 50323279014** Collected: 08/09/22 10:05 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 02:17	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 02:17	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 02:17	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 02:17	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 02:17	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 02:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 02:17	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 02:17	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 02:17	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 02:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 02:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 02:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 02:17	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 02:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 02:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 02:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 02:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 02:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/16/22 02:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 02:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 02:17	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 02:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 02:17	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 02:17	108-05-4	L1
Vinyl chloride	**102**	ug/L	2.0	1		08/16/22 02:17	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 02:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	82-128	1		08/16/22 02:17	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	79-124	1		08/16/22 02:17	460-00-4	
Toluene-d8 (S)	98	%.	73-122	1		08/16/22 02:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-42 **Lab ID: 50323279015** Collected: 08/10/22 09:05 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 12:13	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 12:13	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 12:13	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 12:13	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 12:13	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 12:13	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 12:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 12:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 12:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 12:13	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 12:13	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 12:13	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 12:13	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 12:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 12:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 12:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 12:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 12:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 12:13	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 12:13	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 12:13	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 12:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 12:13	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 12:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 12:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 12:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 12:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 12:13	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 12:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 12:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 12:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 12:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 12:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 12:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 12:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 12:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 12:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 12:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 12:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 12:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 12:13	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 12:13	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 12:13	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 12:13	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 12:13	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 12:13	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-42 **Lab ID: 50323279015** Collected: 08/10/22 09:05 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 12:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 12:13	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 12:13	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 12:13	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 12:13	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 12:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 12:13	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 12:13	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 12:13	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 12:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 12:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 12:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 12:13	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 12:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 12:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 12:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 12:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 12:13	79-00-5	
Trichloroethene	**204**	ug/L	5.0	1		08/16/22 12:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 12:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 12:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 12:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 12:13	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 12:13	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 12:13	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 12:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	82-128	1		08/16/22 12:13	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-124	1		08/16/22 12:13	460-00-4	
Toluene-d8 (S)	97	%.	73-122	1		08/16/22 12:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-42D **Lab ID: 50323279016** Collected: 08/10/22 08:30 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 12:47	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 12:47	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 12:47	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 12:47	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 12:47	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 12:47	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 12:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 12:47	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 12:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 12:47	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 12:47	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 12:47	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 12:47	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 12:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 12:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 12:47	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 12:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 12:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 12:47	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 12:47	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 12:47	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 12:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 12:47	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 12:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 12:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 12:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 12:47	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 12:47	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 12:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 12:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 12:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 12:47	75-35-4	
cis-1,2-Dichloroethene	**365**	ug/L	50.0	10		08/16/22 13:22	156-59-2	
trans-1,2-Dichloroethene	**31.2**	ug/L	5.0	1		08/16/22 12:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 12:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 12:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 12:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 12:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 12:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 12:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 12:47	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 12:47	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 12:47	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 12:47	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 12:47	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 12:47	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-42D **Lab ID: 50323279016** Collected: 08/10/22 08:30 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 12:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 12:47	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 12:47	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 12:47	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 12:47	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 12:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 12:47	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 12:47	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 12:47	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 12:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 12:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 12:47	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 12:47	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 12:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 12:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 12:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 12:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 12:47	79-00-5	
Trichloroethene	**122**	ug/L	5.0	1		08/16/22 12:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 12:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 12:47	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 12:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 12:47	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 12:47	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 12:47	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 12:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	82-128	1		08/16/22 12:47	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	79-124	1		08/16/22 12:47	460-00-4	
Toluene-d8 (S)	96	%.	73-122	1		08/16/22 12:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-40S **Lab ID: 50323279017** Collected: 08/10/22 15:20 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 13:56	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 13:56	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 13:56	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 13:56	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 13:56	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 13:56	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 13:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 13:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 13:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 13:56	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 13:56	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 13:56	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 13:56	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 13:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 13:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 13:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 13:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 13:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 13:56	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 13:56	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 13:56	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 13:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 13:56	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 13:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 13:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 13:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 13:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 13:56	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 13:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 13:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 13:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 13:56	75-35-4	
cis-1,2-Dichloroethene	**88.5**	ug/L	5.0	1		08/16/22 13:56	156-59-2	
trans-1,2-Dichloroethene	**82.4**	ug/L	5.0	1		08/16/22 13:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 13:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 13:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 13:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 13:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 13:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 13:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 13:56	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 13:56	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 13:56	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 13:56	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 13:56	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 13:56	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-40S **Lab ID: 50323279017** Collected: 08/10/22 15:20 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 13:56	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 13:56	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 13:56	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 13:56	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 13:56	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 13:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 13:56	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 13:56	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 13:56	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 13:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 13:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 13:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 13:56	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 13:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 13:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 13:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 13:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 13:56	79-00-5	
Trichloroethene	**182**	ug/L	5.0	1		08/16/22 13:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 13:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 13:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 13:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 13:56	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 13:56	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 13:56	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 13:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%.	82-128	1		08/16/22 13:56	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	79-124	1		08/16/22 13:56	460-00-4	
Toluene-d8 (S)	95	%.	73-122	1		08/16/22 13:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-12 **Lab ID: 50323279018** Collected: 08/10/22 11:40 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 13:39	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 13:39	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/16/22 13:39	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 13:39	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 13:39	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 13:39	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 13:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 13:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 13:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 13:39	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 13:39	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 13:39	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 13:39	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 13:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 13:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 13:39	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 13:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 13:39	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 13:39	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 13:39	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 13:39	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 13:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 13:39	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 13:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 13:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 13:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 13:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 13:39	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 13:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 13:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 13:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 13:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 13:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 13:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 13:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 13:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 13:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 13:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 13:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 13:39	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 13:39	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 13:39	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 13:39	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 13:39	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 13:39	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 13:39	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-12 **Lab ID: 50323279018** Collected: 08/10/22 11:40 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 13:39	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 13:39	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 13:39	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 13:39	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 13:39	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 13:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 13:39	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 13:39	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 13:39	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 13:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 13:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 13:39	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 13:39	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 13:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 13:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 13:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 13:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 13:39	79-00-5	
Trichloroethene	**52.6**	ug/L	5.0	1		08/16/22 13:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 13:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 13:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 13:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 13:39	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 13:39	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 13:39	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 13:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	82-128	1		08/16/22 13:39	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	79-124	1		08/16/22 13:39	460-00-4	
Toluene-d8 (S)	94	%.	73-122	1		08/16/22 13:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-12D **Lab ID: 50323279019** Collected: 08/10/22 12:15 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 19:06	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 19:06	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 19:06	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 19:06	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 19:06	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 19:06	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 19:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 19:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 19:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 19:06	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 19:06	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 19:06	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 19:06	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 19:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 19:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 19:06	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 19:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 19:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 19:06	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 19:06	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 19:06	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 19:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 19:06	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 19:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 19:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 19:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 19:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 19:06	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 19:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 19:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 19:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 19:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 19:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 19:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 19:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 19:06	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 19:06	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 19:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 19:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 19:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 19:06	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 19:06	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 19:06	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 19:06	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 19:06	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 19:06	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-12D **Lab ID: 50323279019** Collected: 08/10/22 12:15 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 19:06	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 19:06	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 19:06	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 19:06	90-12-0	R1
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 19:06	91-57-6	R1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 19:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 19:06	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 19:06	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 19:06	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 19:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 19:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 19:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 19:06	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 19:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 19:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 19:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 19:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 19:06	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/16/22 19:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 19:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 19:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 19:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 19:06	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 19:06	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 19:06	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 19:06	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	82-128	1		08/16/22 19:06	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	79-124	1		08/16/22 19:06	460-00-4	
Toluene-d8 (S)	96	%.	73-122	1		08/16/22 19:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-29 **Lab ID: 50323279020** Collected: 08/10/22 16:10 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 14:13	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 14:13	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/16/22 14:13	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 14:13	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 14:13	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 14:13	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 14:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 14:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 14:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 14:13	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 14:13	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 14:13	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 14:13	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 14:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 14:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 14:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 14:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 14:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 14:13	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 14:13	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 14:13	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 14:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 14:13	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 14:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 14:13	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 14:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 14:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 14:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 14:13	75-35-4	
cis-1,2-Dichloroethene	**102**	ug/L	5.0	1		08/16/22 14:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 14:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 14:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 14:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 14:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 14:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 14:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 14:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 14:13	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 14:13	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 14:13	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 14:13	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 14:13	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 14:13	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-29 **Lab ID: 50323279020** Collected: 08/10/22 16:10 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 14:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 14:13	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 14:13	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 14:13	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 14:13	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 14:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 14:13	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 14:13	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 14:13	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 14:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 14:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 14:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 14:13	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 14:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 14:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 14:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/16/22 14:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 14:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 14:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 14:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 14:13	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 14:13	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 14:13	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 14:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%.	82-128	1		08/16/22 14:13	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	79-124	1		08/16/22 14:13	460-00-4	
Toluene-d8 (S)	96	%.	73-122	1		08/16/22 14:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-29D **Lab ID: 50323279021** Collected: 08/10/22 12:55 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 14:48	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 14:48	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/16/22 14:48	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 14:48	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 14:48	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 14:48	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 14:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 14:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 14:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 14:48	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 14:48	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 14:48	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 14:48	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 14:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 14:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 14:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 14:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 14:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 14:48	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 14:48	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 14:48	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 14:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 14:48	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 14:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 14:48	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 14:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 14:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 14:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 14:48	75-35-4	
cis-1,2-Dichloroethene	**98.3**	ug/L	5.0	1		08/16/22 14:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 14:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 14:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 14:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 14:48	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 14:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 14:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 14:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 14:48	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 14:48	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 14:48	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 14:48	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 14:48	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 14:48	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-29D **Lab ID: 50323279021** Collected: 08/10/22 12:55 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 14:48	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 14:48	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 14:48	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 14:48	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 14:48	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 14:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 14:48	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 14:48	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 14:48	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 14:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 14:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 14:48	79-34-5	
Tetrachloroethene	**16.5**	ug/L	5.0	1		08/16/22 14:48	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 14:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 14:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 14:48	79-00-5	
Trichloroethene	**140**	ug/L	5.0	1		08/16/22 14:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 14:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 14:48	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 14:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 14:48	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 14:48	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 14:48	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 14:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	82-128	1		08/16/22 14:48	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	79-124	1		08/16/22 14:48	460-00-4	
Toluene-d8 (S)	94	%.	73-122	1		08/16/22 14:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-41 **Lab ID: 50323279022** Collected: 08/10/22 14:05 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 15:22	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 15:22	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/16/22 15:22	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 15:22	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 15:22	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 15:22	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 15:22	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 15:22	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 15:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 15:22	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 15:22	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 15:22	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 15:22	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 15:22	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 15:22	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 15:22	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 15:22	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 15:22	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 15:22	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 15:22	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 15:22	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 15:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 15:22	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 15:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:22	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 15:22	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 15:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 15:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 15:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 15:22	75-35-4	
cis-1,2-Dichloroethene	**90.4**	ug/L	5.0	1		08/16/22 15:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 15:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 15:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 15:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 15:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 15:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 15:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 15:22	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 15:22	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 15:22	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 15:22	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 15:22	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 15:22	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 15:22	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-41 **Lab ID: 50323279022** Collected: 08/10/22 14:05 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 15:22	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 15:22	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 15:22	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 15:22	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 15:22	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 15:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 15:22	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 15:22	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 15:22	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 15:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 15:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 15:22	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 15:22	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 15:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 15:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 15:22	79-00-5	
Trichloroethene	**243**	ug/L	5.0	1		08/16/22 15:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 15:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 15:22	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 15:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 15:22	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 15:22	108-05-4	L1
Vinyl chloride	**3.9**	ug/L	2.0	1		08/16/22 15:22	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 15:22	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	82-128	1		08/16/22 15:22	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	79-124	1		08/16/22 15:22	460-00-4	
Toluene-d8 (S)	95	%.	73-122	1		08/16/22 15:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-41D **Lab ID: 50323279023** Collected: 08/10/22 14:40 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 15:57	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 15:57	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/16/22 15:57	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 15:57	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 15:57	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 15:57	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 15:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 15:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 15:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 15:57	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 15:57	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 15:57	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 15:57	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 15:57	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 15:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 15:57	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 15:57	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 15:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 15:57	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 15:57	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 15:57	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 15:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 15:57	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 15:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:57	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 15:57	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 15:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 15:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 15:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 15:57	75-35-4	
cis-1,2-Dichloroethene	**13.9**	ug/L	5.0	1		08/16/22 15:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 15:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 15:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 15:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 15:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 15:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 15:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 15:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 15:57	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 15:57	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 15:57	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 15:57	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 15:57	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 15:57	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-41D **Lab ID: 50323279023** Collected: 08/10/22 14:40 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 15:57	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 15:57	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 15:57	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 15:57	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 15:57	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 15:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 15:57	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 15:57	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 15:57	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 15:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 15:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 15:57	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 15:57	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 15:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 15:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 15:57	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/16/22 15:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 15:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 15:57	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 15:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 15:57	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 15:57	108-05-4	L1
Vinyl chloride	**7.4**	ug/L	2.0	1		08/16/22 15:57	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 15:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	82-128	1		08/16/22 15:57	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	79-124	1		08/16/22 15:57	460-00-4	
Toluene-d8 (S)	95	%.	73-122	1		08/16/22 15:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: DUP-B **Lab ID: 50323279024** Collected: 08/10/22 08:00 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 16:31	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 16:31	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/16/22 16:31	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 16:31	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 16:31	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 16:31	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 16:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 16:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 16:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 16:31	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 16:31	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 16:31	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 16:31	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 16:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 16:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 16:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 16:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 16:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 16:31	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 16:31	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 16:31	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 16:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 16:31	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 16:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:31	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 16:31	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 16:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 16:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 16:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 16:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 16:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 16:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 16:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 16:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 16:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 16:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 16:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 16:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 16:31	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 16:31	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 16:31	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 16:31	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 16:31	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 16:31	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: DUP-B **Lab ID: 50323279024** Collected: 08/10/22 08:00 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 16:31	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 16:31	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 16:31	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 16:31	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 16:31	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 16:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 16:31	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 16:31	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 16:31	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 16:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 16:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 16:31	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 16:31	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 16:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 16:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 16:31	79-00-5	
Trichloroethene	**213**	ug/L	5.0	1		08/16/22 16:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 16:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 16:31	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 16:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 16:31	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 16:31	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 16:31	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 16:31	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	82-128	1		08/16/22 16:31	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	79-124	1		08/16/22 16:31	460-00-4	
Toluene-d8 (S)	94	%.	73-122	1		08/16/22 16:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-14D **Lab ID: 50323279025** Collected: 08/11/22 08:50 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 17:05	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 17:05	107-02-8	
Acrylonitrile	ND	ug/L	100	1		08/16/22 17:05	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 17:05	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 17:05	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 17:05	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 17:05	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 17:05	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 17:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 17:05	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 17:05	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 17:05	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 17:05	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 17:05	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 17:05	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 17:05	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 17:05	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 17:05	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 17:05	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 17:05	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 17:05	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 17:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 17:05	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 17:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 17:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 17:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 17:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 17:05	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 17:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 17:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 17:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 17:05	75-35-4	
cis-1,2-Dichloroethene	**33.9**	ug/L	5.0	1		08/16/22 17:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 17:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 17:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 17:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 17:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 17:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 17:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 17:05	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 17:05	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 17:05	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 17:05	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 17:05	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 17:05	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 17:05	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-14D **Lab ID: 50323279025** Collected: 08/11/22 08:50 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 17:05	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 17:05	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 17:05	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 17:05	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 17:05	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 17:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 17:05	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 17:05	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 17:05	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 17:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 17:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 17:05	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 17:05	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 17:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 17:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 17:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 17:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 17:05	79-00-5	
Trichloroethene	**285**	ug/L	5.0	1		08/16/22 17:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 17:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 17:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 17:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 17:05	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 17:05	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 17:05	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 17:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	82-128	1		08/16/22 17:05	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	79-124	1		08/16/22 17:05	460-00-4	
Toluene-d8 (S)	96	%.	73-122	1		08/16/22 17:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-14 **Lab ID: 50323279026** Collected: 08/11/22 09:30 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 14:31	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 14:31	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 14:31	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 14:31	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 14:31	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 14:31	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 14:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 14:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 14:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 14:31	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 14:31	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 14:31	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 14:31	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 14:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 14:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 14:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 14:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 14:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 14:31	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 14:31	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 14:31	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 14:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 14:31	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 14:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:31	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 14:31	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 14:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 14:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 14:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 14:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 14:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 14:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 14:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 14:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 14:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 14:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 14:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 14:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 14:31	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 14:31	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 14:31	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 14:31	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 14:31	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 14:31	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-14 **Lab ID: 50323279026** Collected: 08/11/22 09:30 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 14:31	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 14:31	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 14:31	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 14:31	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 14:31	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 14:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 14:31	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 14:31	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 14:31	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 14:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 14:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 14:31	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 14:31	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 14:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 14:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 14:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 14:31	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/16/22 14:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 14:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 14:31	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 14:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 14:31	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 14:31	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 14:31	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 14:31	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	82-128	1		08/16/22 14:31	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-124	1		08/16/22 14:31	460-00-4	
Toluene-d8 (S)	96	%.	73-122	1		08/16/22 14:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-15D **Lab ID: 50323279027** Collected: 08/11/22 10:10 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 15:05	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 15:05	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 15:05	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 15:05	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 15:05	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 15:05	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 15:05	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 15:05	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 15:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 15:05	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 15:05	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 15:05	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 15:05	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 15:05	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 15:05	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 15:05	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 15:05	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 15:05	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 15:05	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 15:05	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 15:05	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 15:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 15:05	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 15:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 15:05	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 15:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 15:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 15:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 15:05	75-35-4	
cis-1,2-Dichloroethene	**58.0**	ug/L	5.0	1		08/16/22 15:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 15:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 15:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 15:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 15:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 15:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 15:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 15:05	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 15:05	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 15:05	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 15:05	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 15:05	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 15:05	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 15:05	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-15D **Lab ID: 50323279027** Collected: 08/11/22 10:10 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 15:05	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 15:05	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 15:05	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 15:05	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 15:05	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 15:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 15:05	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 15:05	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 15:05	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 15:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 15:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 15:05	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 15:05	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 15:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 15:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 15:05	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/16/22 15:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 15:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 15:05	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 15:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 15:05	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 15:05	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 15:05	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 15:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	82-128	1		08/16/22 15:05	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	79-124	1		08/16/22 15:05	460-00-4	
Toluene-d8 (S)	98	%.	73-122	1		08/16/22 15:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-15 **Lab ID: 50323279028** Collected: 08/11/22 10:50 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 15:39	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 15:39	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 15:39	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 15:39	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 15:39	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 15:39	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 15:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 15:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 15:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 15:39	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 15:39	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 15:39	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 15:39	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 15:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 15:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 15:39	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 15:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 15:39	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 15:39	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 15:39	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 15:39	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 15:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 15:39	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 15:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 15:39	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 15:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 15:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 15:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 15:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 15:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 15:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 15:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 15:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 15:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 15:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 15:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 15:39	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 15:39	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 15:39	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 15:39	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 15:39	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 15:39	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 15:39	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-15 **Lab ID: 50323279028** Collected: 08/11/22 10:50 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 15:39	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 15:39	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 15:39	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 15:39	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 15:39	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 15:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 15:39	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 15:39	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 15:39	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 15:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 15:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 15:39	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 15:39	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 15:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 15:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 15:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 15:39	79-00-5	
Trichloroethene	**44.2**	ug/L	5.0	1		08/16/22 15:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 15:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 15:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 15:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 15:39	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 15:39	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 15:39	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 15:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	82-128	1		08/16/22 15:39	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	79-124	1		08/16/22 15:39	460-00-4	
Toluene-d8 (S)	97	%.	73-122	1		08/16/22 15:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-43D **Lab ID: 50323279029** Collected: 08/11/22 11:35 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 16:14	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 16:14	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 16:14	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 16:14	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 16:14	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 16:14	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 16:14	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 16:14	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 16:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 16:14	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 16:14	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 16:14	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 16:14	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 16:14	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 16:14	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 16:14	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 16:14	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 16:14	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 16:14	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 16:14	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 16:14	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 16:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 16:14	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 16:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 16:14	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 16:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 16:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 16:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 16:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 16:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 16:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 16:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 16:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 16:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 16:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 16:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 16:14	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 16:14	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 16:14	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 16:14	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 16:14	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 16:14	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 16:14	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-43D **Lab ID: 50323279029** Collected: 08/11/22 11:35 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 16:14	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 16:14	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 16:14	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 16:14	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 16:14	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 16:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 16:14	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 16:14	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 16:14	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 16:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 16:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 16:14	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 16:14	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 16:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 16:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 16:14	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/16/22 16:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 16:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 16:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 16:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 16:14	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 16:14	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 16:14	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 16:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	82-128	1		08/16/22 16:14	1868-53-7	
4-Bromofluorobenzene (S)	95	%.	79-124	1		08/16/22 16:14	460-00-4	
Toluene-d8 (S)	95	%.	73-122	1		08/16/22 16:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-43 **Lab ID: 50323279030** Collected: 08/11/22 12:25 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/16/22 16:48	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/16/22 16:48	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/16/22 16:48	107-13-1	
Benzene	ND	ug/L	5.0	1		08/16/22 16:48	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/16/22 16:48	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/16/22 16:48	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/16/22 16:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/16/22 16:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/16/22 16:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/16/22 16:48	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/16/22 16:48	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/16/22 16:48	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/16/22 16:48	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/16/22 16:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/16/22 16:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/16/22 16:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/16/22 16:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/16/22 16:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/16/22 16:48	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 16:48	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/16/22 16:48	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/16/22 16:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/16/22 16:48	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/16/22 16:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:48	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/16/22 16:48	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/16/22 16:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/16/22 16:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/16/22 16:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/16/22 16:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 16:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/16/22 16:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 16:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/16/22 16:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/16/22 16:48	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/16/22 16:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 16:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/16/22 16:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/16/22 16:48	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/16/22 16:48	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/16/22 16:48	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/16/22 16:48	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/16/22 16:48	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/16/22 16:48	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-43 **Lab ID: 50323279030** Collected: 08/11/22 12:25 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/16/22 16:48	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/16/22 16:48	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/16/22 16:48	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 16:48	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/16/22 16:48	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/16/22 16:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/16/22 16:48	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/16/22 16:48	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/16/22 16:48	103-65-1	
Styrene	ND	ug/L	5.0	1		08/16/22 16:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 16:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/16/22 16:48	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/16/22 16:48	127-18-4	
Toluene	ND	ug/L	5.0	1		08/16/22 16:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/16/22 16:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/16/22 16:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/16/22 16:48	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/16/22 16:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/16/22 16:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/16/22 16:48	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 16:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/16/22 16:48	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/16/22 16:48	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/16/22 16:48	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/16/22 16:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	82-128	1		08/16/22 16:48	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	79-124	1		08/16/22 16:48	460-00-4	
Toluene-d8 (S)	96	%.	73-122	1		08/16/22 16:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-46I **Lab ID: 50323279031** Collected: 08/11/22 13:20 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/15/22 21:36	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/15/22 21:36	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/15/22 21:36	107-13-1	
Benzene	ND	ug/L	5.0	1		08/15/22 21:36	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/15/22 21:36	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/15/22 21:36	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/15/22 21:36	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/15/22 21:36	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/15/22 21:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/15/22 21:36	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/15/22 21:36	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/15/22 21:36	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/15/22 21:36	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/15/22 21:36	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/15/22 21:36	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/15/22 21:36	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/15/22 21:36	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/15/22 21:36	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/15/22 21:36	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 21:36	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 21:36	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/15/22 21:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/15/22 21:36	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/15/22 21:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 21:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 21:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 21:36	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/15/22 21:36	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/15/22 21:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/15/22 21:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/15/22 21:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/15/22 21:36	75-35-4	
cis-1,2-Dichloroethene	**84.5**	ug/L	5.0	1		08/15/22 21:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 21:36	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 21:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/15/22 21:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 21:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/15/22 21:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 21:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 21:36	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/15/22 21:36	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/15/22 21:36	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/15/22 21:36	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/15/22 21:36	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/15/22 21:36	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/15/22 21:36	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: MW-46I **Lab ID: 50323279031** Collected: 08/11/22 13:20 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/15/22 21:36	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/15/22 21:36	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/15/22 21:36	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 21:36	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 21:36	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/15/22 21:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/15/22 21:36	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/15/22 21:36	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/15/22 21:36	103-65-1	
Styrene	ND	ug/L	5.0	1		08/15/22 21:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 21:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 21:36	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/15/22 21:36	127-18-4	
Toluene	ND	ug/L	5.0	1		08/15/22 21:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 21:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 21:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/15/22 21:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/15/22 21:36	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/15/22 21:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/15/22 21:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/15/22 21:36	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 21:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 21:36	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/15/22 21:36	108-05-4	L1
Vinyl chloride	**8.1**	ug/L	2.0	1		08/15/22 21:36	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/15/22 21:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	82-128	1		08/15/22 21:36	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	79-124	1		08/15/22 21:36	460-00-4	
Toluene-d8 (S)	100	%.	73-122	1		08/15/22 21:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: Trip Blank **Lab ID: 50323279032** Collected: 08/08/22 08:00 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Acetone	ND	ug/L	100	1		08/15/22 21:13	67-64-1	
Acrolein	ND	ug/L	50.0	1		08/15/22 21:13	107-02-8	L1
Acrylonitrile	ND	ug/L	100	1		08/15/22 21:13	107-13-1	
Benzene	ND	ug/L	5.0	1		08/15/22 21:13	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		08/15/22 21:13	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		08/15/22 21:13	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		08/15/22 21:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		08/15/22 21:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/15/22 21:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		08/15/22 21:13	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		08/15/22 21:13	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		08/15/22 21:13	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		08/15/22 21:13	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		08/15/22 21:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		08/15/22 21:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		08/15/22 21:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		08/15/22 21:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		08/15/22 21:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		08/15/22 21:13	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 21:13	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		08/15/22 21:13	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		08/15/22 21:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		08/15/22 21:13	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		08/15/22 21:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 21:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 21:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		08/15/22 21:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		08/15/22 21:13	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		08/15/22 21:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/15/22 21:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/15/22 21:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/15/22 21:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 21:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/15/22 21:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 21:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		08/15/22 21:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		08/15/22 21:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		08/15/22 21:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 21:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		08/15/22 21:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		08/15/22 21:13	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		08/15/22 21:13	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		08/15/22 21:13	87-68-3	
n-Hexane	ND	ug/L	5.0	1		08/15/22 21:13	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		08/15/22 21:13	591-78-6	
Iodomethane	ND	ug/L	10.0	1		08/15/22 21:13	74-88-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: HRID 3Q2022
Pace Project No.: 50323279

Sample: Trip Blank **Lab ID: 50323279032** Collected: 08/08/22 08:00 Received: 08/11/22 14:24 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Indiana	Analytical Method: EPA 5030/8260 Pace Analytical Services - Indianapolis							
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		08/15/22 21:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		08/15/22 21:13	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		08/15/22 21:13	75-09-2	
1-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 21:13	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1		08/15/22 21:13	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		08/15/22 21:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		08/15/22 21:13	1634-04-4	
Naphthalene	ND	ug/L	1.2	1		08/15/22 21:13	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		08/15/22 21:13	103-65-1	
Styrene	ND	ug/L	5.0	1		08/15/22 21:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 21:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		08/15/22 21:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		08/15/22 21:13	127-18-4	
Toluene	ND	ug/L	5.0	1		08/15/22 21:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 21:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		08/15/22 21:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/15/22 21:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		08/15/22 21:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		08/15/22 21:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		08/15/22 21:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		08/15/22 21:13	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 21:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		08/15/22 21:13	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		08/15/22 21:13	108-05-4	L1
Vinyl chloride	ND	ug/L	2.0	1		08/15/22 21:13	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/15/22 21:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	82-128	1		08/15/22 21:13	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	79-124	1		08/15/22 21:13	460-00-4	
Toluene-d8 (S)	99	%.	73-122	1		08/15/22 21:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

QC Batch: 690714
QC Batch Method: EPA 5030/8260
Analysis Method: EPA 5030/8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50323279001

METHOD BLANK: 3176424 Matrix: Water
Associated Lab Samples: 50323279001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/12/22 23:38	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/12/22 23:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/12/22 23:38	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/12/22 23:38	
1,1-Dichloroethane	ug/L	ND	5.0	08/12/22 23:38	
1,1-Dichloroethene	ug/L	ND	5.0	08/12/22 23:38	
1,1-Dichloropropene	ug/L	ND	5.0	08/12/22 23:38	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/12/22 23:38	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/12/22 23:38	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/12/22 23:38	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/12/22 23:38	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/12/22 23:38	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/12/22 23:38	
1,2-Dichloroethane	ug/L	ND	5.0	08/12/22 23:38	
1,2-Dichloropropane	ug/L	ND	5.0	08/12/22 23:38	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/12/22 23:38	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/12/22 23:38	
1,3-Dichloropropane	ug/L	ND	5.0	08/12/22 23:38	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/12/22 23:38	
1-Methylnaphthalene	ug/L	ND	10.0	08/12/22 23:38	
2,2-Dichloropropane	ug/L	ND	5.0	08/12/22 23:38	
2-Butanone (MEK)	ug/L	ND	25.0	08/12/22 23:38	
2-Chlorotoluene	ug/L	ND	5.0	08/12/22 23:38	
2-Hexanone	ug/L	ND	25.0	08/12/22 23:38	
2-Methylnaphthalene	ug/L	ND	10.0	08/12/22 23:38	
4-Chlorotoluene	ug/L	ND	5.0	08/12/22 23:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/12/22 23:38	
Acetone	ug/L	ND	100	08/12/22 23:38	
Acrolein	ug/L	ND	50.0	08/12/22 23:38	
Acrylonitrile	ug/L	ND	100	08/12/22 23:38	
Benzene	ug/L	ND	5.0	08/12/22 23:38	
Bromobenzene	ug/L	ND	5.0	08/12/22 23:38	
Bromochloromethane	ug/L	ND	5.0	08/12/22 23:38	
Bromodichloromethane	ug/L	ND	5.0	08/12/22 23:38	
Bromoform	ug/L	ND	5.0	08/12/22 23:38	
Bromomethane	ug/L	ND	5.0	08/12/22 23:38	
Carbon disulfide	ug/L	ND	10.0	08/12/22 23:38	
Carbon tetrachloride	ug/L	ND	5.0	08/12/22 23:38	
Chlorobenzene	ug/L	ND	5.0	08/12/22 23:38	
Chloroethane	ug/L	ND	5.0	08/12/22 23:38	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

METHOD BLANK: 3176424 Matrix: Water
Associated Lab Samples: 50323279001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroform	ug/L	ND	5.0	08/12/22 23:38	
Chloromethane	ug/L	ND	5.0	08/12/22 23:38	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/12/22 23:38	
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/12/22 23:38	
Dibromochloromethane	ug/L	ND	5.0	08/12/22 23:38	
Dibromomethane	ug/L	ND	5.0	08/12/22 23:38	
Dichlorodifluoromethane	ug/L	ND	5.0	08/12/22 23:38	
Ethyl methacrylate	ug/L	ND	100	08/12/22 23:38	
Ethylbenzene	ug/L	ND	5.0	08/12/22 23:38	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/12/22 23:38	
Iodomethane	ug/L	ND	10.0	08/12/22 23:38	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/12/22 23:38	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/12/22 23:38	
Methylene Chloride	ug/L	15.3	5.0	08/12/22 23:38	
n-Butylbenzene	ug/L	ND	5.0	08/12/22 23:38	
n-Hexane	ug/L	ND	5.0	08/12/22 23:38	
n-Propylbenzene	ug/L	ND	5.0	08/12/22 23:38	
Naphthalene	ug/L	ND	1.2	08/12/22 23:38	
p-Isopropyltoluene	ug/L	ND	5.0	08/12/22 23:38	
sec-Butylbenzene	ug/L	ND	5.0	08/12/22 23:38	
Styrene	ug/L	ND	5.0	08/12/22 23:38	
tert-Butylbenzene	ug/L	ND	5.0	08/12/22 23:38	
Tetrachloroethene	ug/L	ND	5.0	08/12/22 23:38	
Toluene	ug/L	ND	5.0	08/12/22 23:38	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/12/22 23:38	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/12/22 23:38	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/12/22 23:38	
Trichloroethene	ug/L	ND	5.0	08/12/22 23:38	
Trichlorofluoromethane	ug/L	ND	5.0	08/12/22 23:38	
Vinyl acetate	ug/L	ND	50.0	08/12/22 23:38	
Vinyl chloride	ug/L	ND	2.0	08/12/22 23:38	
Xylene (Total)	ug/L	ND	10.0	08/12/22 23:38	
4-Bromofluorobenzene (S)	%.	98	79-124	08/12/22 23:38	
Dibromofluoromethane (S)	%.	101	82-128	08/12/22 23:38	1d
Toluene-d8 (S)	%.	98	73-122	08/12/22 23:38	

LABORATORY CONTROL SAMPLE: 3176425

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	57.5	115	77-125	
1,1,1-Trichloroethane	ug/L	50	54.8	110	69-125	
1,1,2,2-Tetrachloroethane	ug/L	50	56.6	113	72-123	
1,1,2-Trichloroethane	ug/L	50	58.2	116	73-124	
1,1-Dichloroethane	ug/L	50	55.6	111	71-124	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

LABORATORY CONTROL SAMPLE: 3176425

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	50	57.0	114	63-138	
1,1-Dichloropropene	ug/L	50	63.8	128	80-142	
1,2,3-Trichlorobenzene	ug/L	50	50.9	102	67-134	
1,2,3-Trichloropropane	ug/L	50	57.5	115	75-122	
1,2,4-Trichlorobenzene	ug/L	50	49.5	99	68-132	
1,2,4-Trimethylbenzene	ug/L	50	53.9	108	71-121	
1,2-Dibromoethane (EDB)	ug/L	50	56.4	113	75-123	
1,2-Dichlorobenzene	ug/L	50	53.3	107	76-118	
1,2-Dichloroethane	ug/L	50	54.1	108	68-126	
1,2-Dichloropropane	ug/L	50	56.4	113	73-127	
1,3,5-Trimethylbenzene	ug/L	50	54.0	108	72-120	
1,3-Dichlorobenzene	ug/L	50	51.7	103	75-119	
1,3-Dichloropropane	ug/L	50	57.9	116	77-125	
1,4-Dichlorobenzene	ug/L	50	51.4	103	74-118	
1-Methylnaphthalene	ug/L	50	57.5	115	51-164	
2,2-Dichloropropane	ug/L	50	55.4	111	52-137	
2-Butanone (MEK)	ug/L	250	264	106	57-130	
2-Chlorotoluene	ug/L	50	53.7	107	69-123	
2-Hexanone	ug/L	250	264	106	57-130	
2-Methylnaphthalene	ug/L	50	55.5	111	57-159	
4-Chlorotoluene	ug/L	50	53.1	106	74-122	
4-Methyl-2-pentanone (MIBK)	ug/L	250	269	108	58-134	
Acetone	ug/L	250	228	91	41-133	
Acrolein	ug/L	1000	1140	114	43-124	
Acrylonitrile	ug/L	250	267	107	66-131	
Benzene	ug/L	50	58.7	117	76-121	
Bromobenzene	ug/L	50	60.2	120	67-127	
Bromochloromethane	ug/L	50	56.7	113	65-126	
Bromodichloromethane	ug/L	50	56.8	114	72-125	
Bromoform	ug/L	50	54.0	108	57-134	
Bromomethane	ug/L	50	53.1	106	10-187	
Carbon disulfide	ug/L	50	51.6	103	59-125	
Carbon tetrachloride	ug/L	50	58.5	117	71-134	
Chlorobenzene	ug/L	50	55.4	111	74-119	
Chloroethane	ug/L	50	49.8	100	49-152	
Chloroform	ug/L	50	55.7	111	68-123	
Chloromethane	ug/L	50	47.7	95	33-133	
cis-1,2-Dichloroethene	ug/L	50	57.8	116	73-122	
cis-1,3-Dichloropropene	ug/L	50	61.5	123	69-128	
Dibromochloromethane	ug/L	50	57.5	115	69-127	
Dibromomethane	ug/L	50	56.3	113	74-126	
Dichlorodifluoromethane	ug/L	50	37.7	75	19-136	
Ethyl methacrylate	ug/L	50	59J	118	65-127	
Ethylbenzene	ug/L	50	56.2	112	74-122	
Hexachloro-1,3-butadiene	ug/L	50	55.3	111	65-140	
Iodomethane	ug/L	50	58.2	116	10-181	
Isopropylbenzene (Cumene)	ug/L	50	56.6	113	75-124	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

LABORATORY CONTROL SAMPLE: 3176425

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	ug/L	50	59.1	118	71-125	
Methylene Chloride	ug/L	50	63.1	126	71-125	L1
n-Butylbenzene	ug/L	50	52.1	104	68-124	
n-Hexane	ug/L	50	51.0	102	60-132	
n-Propylbenzene	ug/L	50	55.2	110	75-122	
Naphthalene	ug/L	50	54.6	109	69-128	
p-Isopropyltoluene	ug/L	50	54.6	109	73-125	
sec-Butylbenzene	ug/L	50	57.6	115	76-125	
Styrene	ug/L	50	54.8	110	74-126	
tert-Butylbenzene	ug/L	50	57.4	115	69-123	
Tetrachloroethene	ug/L	50	57.5	115	74-129	
Toluene	ug/L	50	55.5	111	70-118	
trans-1,2-Dichloroethene	ug/L	50	55.2	110	69-124	
trans-1,3-Dichloropropene	ug/L	50	58.1	116	66-125	
trans-1,4-Dichloro-2-butene	ug/L	50	59.2J	118	43-155	
Trichloroethene	ug/L	50	58.4	117	73-125	
Trichlorofluoromethane	ug/L	50	50.4	101	56-139	
Vinyl acetate	ug/L	200	212	106	46-101	L1
Vinyl chloride	ug/L	50	45.1	90	46-134	
Xylene (Total)	ug/L	150	162	108	71-123	
4-Bromofluorobenzene (S)	%.			98	79-124	
Dibromofluoromethane (S)	%.			97	82-128	
Toluene-d8 (S)	%.			100	73-122	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

QC Batch: 690964
QC Batch Method: EPA 5030/8260
Analysis Method: EPA 5030/8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50323279002, 50323279003, 50323279004, 50323279005, 50323279006, 50323279007, 50323279008, 50323279010, 50323279011, 50323279012, 50323279013, 50323279014, 50323279031, 50323279032

METHOD BLANK: 3177664
Matrix: Water
Associated Lab Samples: 50323279002, 50323279003, 50323279004, 50323279005, 50323279006, 50323279007, 50323279008, 50323279010, 50323279011, 50323279012, 50323279013, 50323279014, 50323279031, 50323279032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/15/22 20:49	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/15/22 20:49	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/15/22 20:49	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/15/22 20:49	
1,1-Dichloroethane	ug/L	ND	5.0	08/15/22 20:49	
1,1-Dichloroethene	ug/L	ND	5.0	08/15/22 20:49	
1,1-Dichloropropene	ug/L	ND	5.0	08/15/22 20:49	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/15/22 20:49	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/15/22 20:49	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/15/22 20:49	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/15/22 20:49	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/15/22 20:49	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/15/22 20:49	
1,2-Dichloroethane	ug/L	ND	5.0	08/15/22 20:49	
1,2-Dichloropropane	ug/L	ND	5.0	08/15/22 20:49	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/15/22 20:49	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/15/22 20:49	
1,3-Dichloropropane	ug/L	ND	5.0	08/15/22 20:49	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/15/22 20:49	
1-Methylnaphthalene	ug/L	ND	10.0	08/15/22 20:49	
2,2-Dichloropropane	ug/L	ND	5.0	08/15/22 20:49	
2-Butanone (MEK)	ug/L	ND	25.0	08/15/22 20:49	
2-Chlorotoluene	ug/L	ND	5.0	08/15/22 20:49	
2-Hexanone	ug/L	ND	25.0	08/15/22 20:49	
2-Methylnaphthalene	ug/L	ND	10.0	08/15/22 20:49	
4-Chlorotoluene	ug/L	ND	5.0	08/15/22 20:49	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/15/22 20:49	
Acetone	ug/L	ND	100	08/15/22 20:49	
Acrolein	ug/L	ND	50.0	08/15/22 20:49	
Acrylonitrile	ug/L	ND	100	08/15/22 20:49	
Benzene	ug/L	ND	5.0	08/15/22 20:49	
Bromobenzene	ug/L	ND	5.0	08/15/22 20:49	
Bromochloromethane	ug/L	ND	5.0	08/15/22 20:49	
Bromodichloromethane	ug/L	ND	5.0	08/15/22 20:49	
Bromoform	ug/L	ND	5.0	08/15/22 20:49	
Bromomethane	ug/L	ND	5.0	08/15/22 20:49	
Carbon disulfide	ug/L	ND	10.0	08/15/22 20:49	
Carbon tetrachloride	ug/L	ND	5.0	08/15/22 20:49	
Chlorobenzene	ug/L	ND	5.0	08/15/22 20:49	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

METHOD BLANK: 3177664 Matrix: Water

Associated Lab Samples: 50323279002, 50323279003, 50323279004, 50323279005, 50323279006, 50323279007, 50323279008, 50323279010, 50323279011, 50323279012, 50323279013, 50323279014, 50323279031, 50323279032

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroethane	ug/L	ND	5.0	08/15/22 20:49	
Chloroform	ug/L	ND	5.0	08/15/22 20:49	
Chloromethane	ug/L	ND	5.0	08/15/22 20:49	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/15/22 20:49	
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/15/22 20:49	
Dibromochloromethane	ug/L	ND	5.0	08/15/22 20:49	
Dibromomethane	ug/L	ND	5.0	08/15/22 20:49	
Dichlorodifluoromethane	ug/L	ND	5.0	08/15/22 20:49	
Ethyl methacrylate	ug/L	ND	100	08/15/22 20:49	
Ethylbenzene	ug/L	ND	5.0	08/15/22 20:49	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/15/22 20:49	
Iodomethane	ug/L	ND	10.0	08/15/22 20:49	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/15/22 20:49	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/15/22 20:49	
Methylene Chloride	ug/L	7.4	5.0	08/15/22 20:49	
n-Butylbenzene	ug/L	ND	5.0	08/15/22 20:49	
n-Hexane	ug/L	ND	5.0	08/15/22 20:49	
n-Propylbenzene	ug/L	ND	5.0	08/15/22 20:49	
Naphthalene	ug/L	ND	1.2	08/15/22 20:49	
p-Isopropyltoluene	ug/L	ND	5.0	08/15/22 20:49	
sec-Butylbenzene	ug/L	ND	5.0	08/15/22 20:49	
Styrene	ug/L	ND	5.0	08/15/22 20:49	
tert-Butylbenzene	ug/L	ND	5.0	08/15/22 20:49	
Tetrachloroethene	ug/L	ND	5.0	08/15/22 20:49	
Toluene	ug/L	ND	5.0	08/15/22 20:49	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/15/22 20:49	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/15/22 20:49	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/15/22 20:49	
Trichloroethene	ug/L	ND	5.0	08/15/22 20:49	
Trichlorofluoromethane	ug/L	ND	5.0	08/15/22 20:49	
Vinyl acetate	ug/L	ND	50.0	08/15/22 20:49	
Vinyl chloride	ug/L	ND	2.0	08/15/22 20:49	
Xylene (Total)	ug/L	ND	10.0	08/15/22 20:49	
4-Bromofluorobenzene (S)	%.	96	79-124	08/15/22 20:49	
Dibromofluoromethane (S)	%.	100	82-128	08/15/22 20:49	
Toluene-d8 (S)	%.	97	73-122	08/15/22 20:49	

LABORATORY CONTROL SAMPLE: 3177665

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.2	112	77-125	
1,1,1-Trichloroethane	ug/L	50	50.7	101	69-125	
1,1,2,2-Tetrachloroethane	ug/L	50	60.4	121	72-123	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

LABORATORY CONTROL SAMPLE: 3177665

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2-Trichloroethane	ug/L	50	57.6	115	73-124	
1,1-Dichloroethane	ug/L	50	49.5	99	71-124	
1,1-Dichloroethene	ug/L	50	53.1	106	63-138	
1,1-Dichloropropene	ug/L	50	61.1	122	80-142	
1,2,3-Trichlorobenzene	ug/L	50	52.8	106	67-134	
1,2,3-Trichloropropane	ug/L	50	58.9	118	75-122	
1,2,4-Trichlorobenzene	ug/L	50	50.8	102	68-132	
1,2,4-Trimethylbenzene	ug/L	50	50.3	101	71-121	
1,2-Dibromoethane (EDB)	ug/L	50	56.3	113	75-123	
1,2-Dichlorobenzene	ug/L	50	51.5	103	76-118	
1,2-Dichloroethane	ug/L	50	51.1	102	68-126	
1,2-Dichloropropane	ug/L	50	54.7	109	73-127	
1,3,5-Trimethylbenzene	ug/L	50	50.9	102	72-120	
1,3-Dichlorobenzene	ug/L	50	50.3	101	75-119	
1,3-Dichloropropane	ug/L	50	57.8	116	77-125	
1,4-Dichlorobenzene	ug/L	50	50.6	101	74-118	
1-Methylnaphthalene	ug/L	50	59.6	119	51-164	
2,2-Dichloropropane	ug/L	50	50.4	101	52-137	
2-Butanone (MEK)	ug/L	250	278	111	57-130	
2-Chlorotoluene	ug/L	50	50.5	101	69-123	
2-Hexanone	ug/L	250	278	111	57-130	
2-Methylnaphthalene	ug/L	50	58.9	118	57-159	
4-Chlorotoluene	ug/L	50	51.2	102	74-122	
4-Methyl-2-pentanone (MIBK)	ug/L	250	288	115	58-134	
Acetone	ug/L	250	240	96	41-133	
Acrolein	ug/L	1000	1330	133	43-124	L1
Acrylonitrile	ug/L	250	277	111	66-131	
Benzene	ug/L	50	56.1	112	76-121	
Bromobenzene	ug/L	50	58.3	117	67-127	
Bromochloromethane	ug/L	50	52.3	105	65-126	
Bromodichloromethane	ug/L	50	54.7	109	72-125	
Bromoform	ug/L	50	57.1	114	57-134	
Bromomethane	ug/L	50	40.4	81	10-187	
Carbon disulfide	ug/L	50	48.2	96	59-125	
Carbon tetrachloride	ug/L	50	54.4	109	71-134	
Chlorobenzene	ug/L	50	52.5	105	74-119	
Chloroethane	ug/L	50	51.1	102	49-152	
Chloroform	ug/L	50	51.4	103	68-123	
Chloromethane	ug/L	50	43.1	86	33-133	
cis-1,2-Dichloroethene	ug/L	50	52.4	105	73-122	
cis-1,3-Dichloropropene	ug/L	50	52.2	104	69-128	
Dibromochloromethane	ug/L	50	57.5	115	69-127	
Dibromomethane	ug/L	50	54.3	109	74-126	
Dichlorodifluoromethane	ug/L	50	30.4	61	19-136	
Ethyl methacrylate	ug/L	50	56.3J	113	65-127	
Ethylbenzene	ug/L	50	52.9	106	74-122	
Hexachloro-1,3-butadiene	ug/L	50	54.3	109	65-140	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

LABORATORY CONTROL SAMPLE: 3177665

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	50	42.4	85	10-181	
Isopropylbenzene (Cumene)	ug/L	50	53.5	107	75-124	
Methyl-tert-butyl ether	ug/L	50	58.4	117	71-125	
Methylene Chloride	ug/L	50	55.1	110	71-125	
n-Butylbenzene	ug/L	50	49.3	99	68-124	
n-Hexane	ug/L	50	58.3	117	60-132	
n-Propylbenzene	ug/L	50	52.1	104	75-122	
Naphthalene	ug/L	50	55.8	112	69-128	
p-Isopropyltoluene	ug/L	50	52.3	105	73-125	
sec-Butylbenzene	ug/L	50	54.0	108	76-125	
Styrene	ug/L	50	52.7	105	74-126	
tert-Butylbenzene	ug/L	50	54.0	108	69-123	
Tetrachloroethene	ug/L	50	55.5	111	74-129	
Toluene	ug/L	50	52.9	106	70-118	
trans-1,2-Dichloroethene	ug/L	50	52.3	105	69-124	
trans-1,3-Dichloropropene	ug/L	50	59.2	118	66-125	
trans-1,4-Dichloro-2-butene	ug/L	50	60.7J	121	43-155	
Trichloroethene	ug/L	50	55.0	110	73-125	
Trichlorofluoromethane	ug/L	50	48.0	96	56-139	
Vinyl acetate	ug/L	200	217	108	46-101	L1
Vinyl chloride	ug/L	50	42.8	86	46-134	
Xylene (Total)	ug/L	150	152	101	71-123	
4-Bromofluorobenzene (S)	%.			98	79-124	
Dibromofluoromethane (S)	%.			96	82-128	
Toluene-d8 (S)	%.			99	73-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3177666 3177667

Parameter	Units	50323185002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	56.1	55.6	112	111	64-142	1	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	51.4	50.4	103	101	60-143	2	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	54.8	55.4	110	111	64-135	1	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	53.3	55.2	107	110	66-137	3	20	
1,1-Dichloroethane	ug/L	ND	50	50	51.9	50.0	104	100	62-144	4	20	
1,1-Dichloroethene	ug/L	ND	50	50	52.8	51.4	106	103	55-158	3	20	
1,1-Dichloropropene	ug/L	ND	50	50	60.0	59.0	120	118	65-164	2	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	46.8	49.4	94	99	35-149	5	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	52.2	54.7	104	109	66-135	5	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	43.6	46.0	87	92	27-149	6	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	48.3	49.3	95	97	41-140	2	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	52.3	52.9	105	106	68-136	1	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	48.7	49.2	97	98	47-140	1	20	
1,2-Dichloroethane	ug/L	ND	50	50	50.5	50.5	101	101	61-144	0	20	
1,2-Dichloropropane	ug/L	ND	50	50	53.3	53.5	107	107	67-141	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3177666 3177667

Parameter	Units	50323185002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3,5-Trimethylbenzene	ug/L	ND	50	50	49.3	49.9	98	99	40-141	1	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	47.1	48.0	94	96	39-142	2	20	
1,3-Dichloropropane	ug/L	ND	50	50	55.7	56.0	111	112	67-141	1	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	46.5	47.6	93	95	39-140	2	20	
1-Methylnaphthalene	ug/L	ND	50	50	50.7	53.4	101	107	31-172	5	20	
2,2-Dichloropropane	ug/L	ND	50	50	50.3	49.1	101	98	32-144	2	20	
2-Butanone (MEK)	ug/L	ND	250	250	248	246	99	98	49-149	1	20	
2-Chlorotoluene	ug/L	ND	50	50	48.3	48.5	97	97	37-144	0	20	
2-Hexanone	ug/L	ND	250	250	239	246	96	98	48-147	3	20	
2-Methylnaphthalene	ug/L	ND	50	50	49.6	51.6	99	103	39-163	4	20	
4-Chlorotoluene	ug/L	ND	50	50	48.2	49.8	96	100	34-148	3	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	247	255	99	102	50-152	3	20	
Acetone	ug/L	ND	250	250	249	269	100	108	23-157	8	20	
Acrolein	ug/L	ND	1000	1000	1090	1080	109	108	25-137	0	20	
Acrylonitrile	ug/L	ND	250	250	276	276	110	111	56-149	0	20	
Benzene	ug/L	14.0	50	50	67.0	67.1	106	106	68-139	0	20	
Bromobenzene	ug/L	ND	50	50	55.2	56.9	110	114	49-142	3	20	
Bromochloromethane	ug/L	ND	50	50	51.1	49.9	102	100	58-143	2	20	
Bromodichloromethane	ug/L	ND	50	50	54.0	53.3	108	107	65-139	1	20	
Bromoform	ug/L	ND	50	50	52.7	52.7	105	105	51-139	0	20	
Bromomethane	ug/L	ND	50	50	40.5	40.8	81	82	10-189	1	20	
Carbon disulfide	ug/L	ND	50	50	46.2	45.6	92	91	45-143	1	20	
Carbon tetrachloride	ug/L	ND	50	50	56.8	54.2	114	108	61-153	5	20	
Chlorobenzene	ug/L	ND	50	50	50.6	51.7	101	103	57-137	2	20	
Chloroethane	ug/L	ND	50	50	51.6	51.4	103	103	41-183	0	20	
Chloroform	ug/L	ND	50	50	51.4	52.6	103	105	61-138	2	20	
Chloromethane	ug/L	ND	50	50	43.6	42.7	87	85	25-150	2	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	53.1	51.7	106	103	58-142	3	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	48.8	50.1	98	100	53-140	2	20	
Dibromochloromethane	ug/L	ND	50	50	54.0	54.7	108	109	61-139	1	20	
Dibromomethane	ug/L	ND	50	50	52.4	52.2	105	104	69-138	0	20	
Dichlorodifluoromethane	ug/L	ND	50	50	30.1	30.0	60	60	10-150	0	20	
Ethyl methacrylate	ug/L	ND	50	50	51.4J	52.3J	103	105	57-141		20	
Ethylbenzene	ug/L	ND	50	50	51.8	51.7	104	103	54-141	0	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	48.3	49.4	97	99	10-173	2	20	
Iodomethane	ug/L	ND	50	50	48.5	48.4	97	97	10-184	0	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	52.1	53.3	103	105	48-145	2	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	57.5	57.5	115	115	62-143	0	20	
Methylene Chloride	ug/L	ND	50	50	52.1	52.5	104	105	59-141	1	20	
n-Butylbenzene	ug/L	ND	50	50	45.0	45.3	90	91	19-150	1	20	
n-Hexane	ug/L	25.8	50	50	73.6	76.0	96	100	44-145	3	20	
n-Propylbenzene	ug/L	ND	50	50	49.5	50.1	99	100	36-150	1	20	
Naphthalene	ug/L	ND	50	50	49.5	50.9	99	102	56-136	3	20	
p-Isopropyltoluene	ug/L	ND	50	50	48.7	49.4	97	99	28-152	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3177666 3177667

Parameter	Units	50323185002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
sec-Butylbenzene	ug/L	ND	50	50	51.5	52.3	103	105	36-151	2	20	
Styrene	ug/L	ND	50	50	50.8	50.9	102	102	51-146	0	20	
tert-Butylbenzene	ug/L	ND	50	50	53.0	53.6	106	107	42-142	1	20	
Tetrachloroethene	ug/L	ND	50	50	52.8	53.7	106	107	50-149	2	20	
Toluene	ug/L	ND	50	50	51.2	52.5	102	105	59-134	2	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	49.7	50.0	99	100	57-141	1	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	54.8	56.1	110	112	51-136	2	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	50	50	48.8J	52.2J	98	104	26-157		20	
Trichloroethene	ug/L	ND	50	50	53.1	53.4	106	107	55-147	0	20	
Trichlorofluoromethane	ug/L	ND	50	50	48.3	47.1	97	94	55-160	3	20	
Vinyl acetate	ug/L	ND	200	200	174	173	87	86	24-109	0	20	
Vinyl chloride	ug/L	ND	50	50	42.2	42.5	84	85	36-154	1	20	
Xylene (Total)	ug/L	ND	150	150	148	150	99	100	50-143	1	20	
4-Bromofluorobenzene (S)	%.						96	97	79-124			
Dibromofluoromethane (S)	%.						100	97	82-128			
Toluene-d8 (S)	%.						98	99	73-122			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

QC Batch: 691134
QC Batch Method: EPA 5030/8260
Analysis Method: EPA 5030/8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50323279015, 50323279016, 50323279017, 50323279019, 50323279026, 50323279027, 50323279028, 50323279029, 50323279030

METHOD BLANK: 3178209
Matrix: Water
Associated Lab Samples: 50323279015, 50323279016, 50323279017, 50323279019, 50323279026, 50323279027, 50323279028, 50323279029, 50323279030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/16/22 10:30	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/16/22 10:30	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/16/22 10:30	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/16/22 10:30	
1,1-Dichloroethane	ug/L	ND	5.0	08/16/22 10:30	
1,1-Dichloroethene	ug/L	ND	5.0	08/16/22 10:30	
1,1-Dichloropropene	ug/L	ND	5.0	08/16/22 10:30	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/16/22 10:30	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/16/22 10:30	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/16/22 10:30	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/16/22 10:30	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/16/22 10:30	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/16/22 10:30	
1,2-Dichloroethane	ug/L	ND	5.0	08/16/22 10:30	
1,2-Dichloropropane	ug/L	ND	5.0	08/16/22 10:30	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/16/22 10:30	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/16/22 10:30	
1,3-Dichloropropane	ug/L	ND	5.0	08/16/22 10:30	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/16/22 10:30	
1-Methylnaphthalene	ug/L	ND	10.0	08/16/22 10:30	
2,2-Dichloropropane	ug/L	ND	5.0	08/16/22 10:30	
2-Butanone (MEK)	ug/L	ND	25.0	08/16/22 10:30	
2-Chlorotoluene	ug/L	ND	5.0	08/16/22 10:30	
2-Hexanone	ug/L	ND	25.0	08/16/22 10:30	
2-Methylnaphthalene	ug/L	ND	10.0	08/16/22 10:30	
4-Chlorotoluene	ug/L	ND	5.0	08/16/22 10:30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/16/22 10:30	
Acetone	ug/L	ND	100	08/16/22 10:30	
Acrolein	ug/L	ND	50.0	08/16/22 10:30	
Acrylonitrile	ug/L	ND	100	08/16/22 10:30	
Benzene	ug/L	ND	5.0	08/16/22 10:30	
Bromobenzene	ug/L	ND	5.0	08/16/22 10:30	
Bromochloromethane	ug/L	ND	5.0	08/16/22 10:30	
Bromodichloromethane	ug/L	ND	5.0	08/16/22 10:30	
Bromoform	ug/L	ND	5.0	08/16/22 10:30	
Bromomethane	ug/L	ND	5.0	08/16/22 10:30	
Carbon disulfide	ug/L	ND	10.0	08/16/22 10:30	
Carbon tetrachloride	ug/L	ND	5.0	08/16/22 10:30	
Chlorobenzene	ug/L	ND	5.0	08/16/22 10:30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

METHOD BLANK: 3178209 Matrix: Water

Associated Lab Samples: 50323279015, 50323279016, 50323279017, 50323279019, 50323279026, 50323279027, 50323279028, 50323279029, 50323279030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroethane	ug/L	ND	5.0	08/16/22 10:30	
Chloroform	ug/L	ND	5.0	08/16/22 10:30	
Chloromethane	ug/L	ND	5.0	08/16/22 10:30	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/16/22 10:30	
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/16/22 10:30	
Dibromochloromethane	ug/L	ND	5.0	08/16/22 10:30	
Dibromomethane	ug/L	ND	5.0	08/16/22 10:30	
Dichlorodifluoromethane	ug/L	ND	5.0	08/16/22 10:30	
Ethyl methacrylate	ug/L	ND	100	08/16/22 10:30	
Ethylbenzene	ug/L	ND	5.0	08/16/22 10:30	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/16/22 10:30	
Iodomethane	ug/L	ND	10.0	08/16/22 10:30	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/16/22 10:30	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/16/22 10:30	
Methylene Chloride	ug/L	ND	5.0	08/16/22 10:30	
n-Butylbenzene	ug/L	ND	5.0	08/16/22 10:30	
n-Hexane	ug/L	ND	5.0	08/16/22 10:30	
n-Propylbenzene	ug/L	ND	5.0	08/16/22 10:30	
Naphthalene	ug/L	ND	1.2	08/16/22 10:30	
p-Isopropyltoluene	ug/L	ND	5.0	08/16/22 10:30	
sec-Butylbenzene	ug/L	ND	5.0	08/16/22 10:30	
Styrene	ug/L	ND	5.0	08/16/22 10:30	
tert-Butylbenzene	ug/L	ND	5.0	08/16/22 10:30	
Tetrachloroethene	ug/L	ND	5.0	08/16/22 10:30	
Toluene	ug/L	ND	5.0	08/16/22 10:30	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/16/22 10:30	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/16/22 10:30	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/16/22 10:30	
Trichloroethene	ug/L	ND	5.0	08/16/22 10:30	
Trichlorofluoromethane	ug/L	ND	5.0	08/16/22 10:30	
Vinyl acetate	ug/L	ND	50.0	08/16/22 10:30	
Vinyl chloride	ug/L	ND	2.0	08/16/22 10:30	
Xylene (Total)	ug/L	ND	10.0	08/16/22 10:30	
4-Bromofluorobenzene (S)	%.	98	79-124	08/16/22 10:30	
Dibromofluoromethane (S)	%.	106	82-128	08/16/22 10:30	
Toluene-d8 (S)	%.	95	73-122	08/16/22 10:30	

LABORATORY CONTROL SAMPLE: 3178210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.6	109	77-125	
1,1,1-Trichloroethane	ug/L	50	51.3	103	69-125	
1,1,2,2-Tetrachloroethane	ug/L	50	59.0	118	72-123	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

LABORATORY CONTROL SAMPLE: 3178210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2-Trichloroethane	ug/L	50	57.4	115	73-124	
1,1-Dichloroethane	ug/L	50	52.4	105	71-124	
1,1-Dichloroethene	ug/L	50	54.0	108	63-138	
1,1-Dichloropropene	ug/L	50	61.0	122	80-142	
1,2,3-Trichlorobenzene	ug/L	50	56.6	113	67-134	
1,2,3-Trichloropropane	ug/L	50	57.5	115	75-122	
1,2,4-Trichlorobenzene	ug/L	50	56.9	114	68-132	
1,2,4-Trimethylbenzene	ug/L	50	52.8	106	71-121	
1,2-Dibromoethane (EDB)	ug/L	50	54.6	109	75-123	
1,2-Dichlorobenzene	ug/L	50	53.5	107	76-118	
1,2-Dichloroethane	ug/L	50	52.1	104	68-126	
1,2-Dichloropropane	ug/L	50	54.1	108	73-127	
1,3,5-Trimethylbenzene	ug/L	50	52.4	105	72-120	
1,3-Dichlorobenzene	ug/L	50	54.2	108	75-119	
1,3-Dichloropropane	ug/L	50	55.9	112	77-125	
1,4-Dichlorobenzene	ug/L	50	53.6	107	74-118	
1-Methylnaphthalene	ug/L	50	60.8	122	51-164	
2,2-Dichloropropane	ug/L	50	54.2	108	52-137	
2-Butanone (MEK)	ug/L	250	274	109	57-130	
2-Chlorotoluene	ug/L	50	51.6	103	69-123	
2-Hexanone	ug/L	250	272	109	57-130	
2-Methylnaphthalene	ug/L	50	62.5	125	57-159	
4-Chlorotoluene	ug/L	50	54.3	109	74-122	
4-Methyl-2-pentanone (MIBK)	ug/L	250	280	112	58-134	
Acetone	ug/L	250	265	106	41-133	
Acrolein	ug/L	1000	1310	131	43-124	L1
Acrylonitrile	ug/L	250	282	113	66-131	
Benzene	ug/L	50	55.2	110	76-121	
Bromobenzene	ug/L	50	58.2	116	67-127	
Bromochloromethane	ug/L	50	52.4	105	65-126	
Bromodichloromethane	ug/L	50	54.7	109	72-125	
Bromoform	ug/L	50	56.4	113	57-134	
Bromomethane	ug/L	50	44.6	89	10-187	
Carbon disulfide	ug/L	50	49.2	98	59-125	
Carbon tetrachloride	ug/L	50	56.3	113	71-134	
Chlorobenzene	ug/L	50	52.4	105	74-119	
Chloroethane	ug/L	50	52.7	105	49-152	
Chloroform	ug/L	50	51.8	104	68-123	
Chloromethane	ug/L	50	44.9	90	33-133	
cis-1,2-Dichloroethene	ug/L	50	52.3	105	73-122	
cis-1,3-Dichloropropene	ug/L	50	52.4	105	69-128	
Dibromochloromethane	ug/L	50	56.0	112	69-127	
Dibromomethane	ug/L	50	53.7	107	74-126	
Dichlorodifluoromethane	ug/L	50	30.6	61	19-136	
Ethyl methacrylate	ug/L	50	55.5J	111	65-127	
Ethylbenzene	ug/L	50	53.5	107	74-122	
Hexachloro-1,3-butadiene	ug/L	50	58.2	116	65-140	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

LABORATORY CONTROL SAMPLE: 3178210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	50	47.0	94	10-181	
Isopropylbenzene (Cumene)	ug/L	50	53.7	107	75-124	
Methyl-tert-butyl ether	ug/L	50	57.4	115	71-125	
Methylene Chloride	ug/L	50	52.1	104	71-125	
n-Butylbenzene	ug/L	50	53.4	107	68-124	
n-Hexane	ug/L	50	57.0	114	60-132	
n-Propylbenzene	ug/L	50	53.3	107	75-122	
Naphthalene	ug/L	50	56.6	113	69-128	
p-Isopropyltoluene	ug/L	50	54.2	108	73-125	
sec-Butylbenzene	ug/L	50	54.8	110	76-125	
Styrene	ug/L	50	52.9	106	74-126	
tert-Butylbenzene	ug/L	50	53.9	108	69-123	
Tetrachloroethene	ug/L	50	55.4	111	74-129	
Toluene	ug/L	50	51.7	103	70-118	
trans-1,2-Dichloroethene	ug/L	50	53.1	106	69-124	
trans-1,3-Dichloropropene	ug/L	50	59.7	119	66-125	
trans-1,4-Dichloro-2-butene	ug/L	50	60.8J	122	43-155	
Trichloroethene	ug/L	50	54.3	109	73-125	
Trichlorofluoromethane	ug/L	50	48.5	97	56-139	
Vinyl acetate	ug/L	200	220	110	46-101	L1
Vinyl chloride	ug/L	50	44.3	89	46-134	
Xylene (Total)	ug/L	150	153	102	71-123	
4-Bromofluorobenzene (S)	%.			99	79-124	
Dibromofluoromethane (S)	%.			100	82-128	
Toluene-d8 (S)	%.			99	73-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3178211 3178212

Parameter	Units	50323279019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	57.5	57.8	115	116	64-142	0	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	52.8	54.2	106	108	60-143	3	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	58.6	59.4	117	119	64-135	1	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	58.8	57.9	118	116	66-137	2	20	
1,1-Dichloroethane	ug/L	ND	50	50	52.8	53.7	106	107	62-144	2	20	
1,1-Dichloroethene	ug/L	ND	50	50	55.3	55.6	111	111	55-158	1	20	
1,1-Dichloropropene	ug/L	ND	50	50	61.7	63.1	123	126	65-164	2	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	44.1	36.8	88	74	35-149	18	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	57.5	57.4	115	115	66-135	0	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	43.8	37.8	88	76	27-149	15	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	50.2	48.5	100	96	41-140	3	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	56.4	55.3	113	111	68-136	2	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	52.4	51.0	105	102	47-140	3	20	
1,2-Dichloroethane	ug/L	ND	50	50	54.2	53.5	108	107	61-144	1	20	
1,2-Dichloropropane	ug/L	ND	50	50	56.5	56.1	113	112	67-141	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3178211 3178212

Parameter	Units	50323279019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3,5-Trimethylbenzene	ug/L	ND	50	50	50.7	49.9	101	100	40-141	2	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	51.5	50.6	103	101	39-142	2	20	
1,3-Dichloropropane	ug/L	ND	50	50	57.9	58.3	116	117	67-141	1	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	51.0	50.8	102	102	39-140	0	20	
1-Methylnaphthalene	ug/L	ND	50	50	36.9	29.0	74	58	31-172	24	20	R1
2,2-Dichloropropane	ug/L	ND	50	50	54.9	54.9	110	110	32-144	0	20	
2-Butanone (MEK)	ug/L	ND	250	250	280	277	112	111	49-149	1	20	
2-Chlorotoluene	ug/L	ND	50	50	51.3	50.3	103	101	37-144	2	20	
2-Hexanone	ug/L	ND	250	250	273	274	109	109	48-147	0	20	
2-Methylnaphthalene	ug/L	ND	50	50	33.7	26.1	67	52	39-163	26	20	R1
4-Chlorotoluene	ug/L	ND	50	50	50.9	52.1	102	104	34-148	2	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	281	277	112	111	50-152	2	20	
Acetone	ug/L	ND	250	250	270	246	108	98	23-157	9	20	
Acrolein	ug/L	ND	1000	1000	1200	1190	120	119	25-137	0	20	
Acrylonitrile	ug/L	ND	250	250	278	279	111	112	56-149	0	20	
Benzene	ug/L	ND	50	50	58.0	57.1	116	114	68-139	2	20	
Bromobenzene	ug/L	ND	50	50	60.2	60.4	120	121	49-142	0	20	
Bromochloromethane	ug/L	ND	50	50	53.7	54.3	107	109	58-143	1	20	
Bromodichloromethane	ug/L	ND	50	50	57.4	57.3	115	115	65-139	0	20	
Bromoform	ug/L	ND	50	50	56.4	57.5	113	115	51-139	2	20	
Bromomethane	ug/L	ND	50	50	44.7	47.2	89	94	10-189	5	20	
Carbon disulfide	ug/L	ND	50	50	48.5	49.1	97	98	45-143	1	20	
Carbon tetrachloride	ug/L	ND	50	50	58.3	57.8	117	116	61-153	1	20	
Chlorobenzene	ug/L	ND	50	50	54.0	53.8	108	108	57-137	0	20	
Chloroethane	ug/L	ND	50	50	51.7	50.6	103	101	41-183	2	20	
Chloroform	ug/L	ND	50	50	54.4	54.4	109	109	61-138	0	20	
Chloromethane	ug/L	ND	50	50	45.8	46.4	92	93	25-150	1	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	54.8	55.7	110	111	58-142	2	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	52.0	52.9	104	106	53-140	2	20	
Dibromochloromethane	ug/L	ND	50	50	58.3	58.0	117	116	61-139	0	20	
Dibromomethane	ug/L	ND	50	50	56.4	56.5	113	113	69-138	0	20	
Dichlorodifluoromethane	ug/L	ND	50	50	33.8	34.2	68	68	10-150	1	20	
Ethyl methacrylate	ug/L	ND	50	50	58J	56.7J	116	113	57-141		20	
Ethylbenzene	ug/L	ND	50	50	54.3	54.0	109	108	54-141	1	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	49.5	46.6	99	93	10-173	6	20	
Iodomethane	ug/L	ND	50	50	48.9	50.0	98	100	10-184	2	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	54.8	54.6	110	109	48-145	0	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	58.9	59.8	118	120	62-143	2	20	
Methylene Chloride	ug/L	ND	50	50	52.5	53.0	105	106	59-141	1	20	
n-Butylbenzene	ug/L	ND	50	50	46.6	43.8	93	88	19-150	6	20	
n-Hexane	ug/L	ND	50	50	56.9	59.0	114	118	44-145	4	20	
n-Propylbenzene	ug/L	ND	50	50	52.4	51.9	105	104	36-150	1	20	
Naphthalene	ug/L	ND	50	50	49.7	43.6	99	87	56-136	13	20	
p-Isopropyltoluene	ug/L	ND	50	50	51.4	49.4	103	99	28-152	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3178211 3178212

Parameter	Units	50323279019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
sec-Butylbenzene	ug/L	ND	50	50	53.1	51.8	106	104	36-151	3	20	
Styrene	ug/L	ND	50	50	54.7	54.0	109	108	51-146	1	20	
tert-Butylbenzene	ug/L	ND	50	50	53.4	53.1	107	106	42-142	1	20	
Tetrachloroethene	ug/L	ND	50	50	55.3	55.4	111	111	50-149	0	20	
Toluene	ug/L	ND	50	50	53.1	53.8	106	108	59-134	1	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	53.7	53.3	107	107	57-141	1	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	60.7	60.0	121	120	51-136	1	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	50	50	59.7J	57.9J	119	116	26-157		20	
Trichloroethene	ug/L	ND	50	50	56.8	56.3	114	113	55-147	1	20	
Trichlorofluoromethane	ug/L	ND	50	50	49.0	50.0	98	100	55-160	2	20	
Vinyl acetate	ug/L	ND	200	200	195	196	98	98	24-109	0	20	
Vinyl chloride	ug/L	ND	50	50	44.8	44.7	90	89	36-154	0	20	
Xylene (Total)	ug/L	ND	150	150	157	156	105	104	50-143	0	20	
4-Bromofluorobenzene (S)	%.						99	98	79-124			
Dibromofluoromethane (S)	%.						99	99	82-128			
Toluene-d8 (S)	%.						97	98	73-122			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

QC Batch: 691136
QC Batch Method: EPA 5030/8260
Analysis Method: EPA 5030/8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50323279009, 50323279018, 50323279020, 50323279021, 50323279022, 50323279023, 50323279024, 50323279025

METHOD BLANK: 3178216
Matrix: Water
Associated Lab Samples: 50323279009, 50323279018, 50323279020, 50323279021, 50323279022, 50323279023, 50323279024, 50323279025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	08/16/22 10:47	
1,1,1-Trichloroethane	ug/L	ND	5.0	08/16/22 10:47	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	08/16/22 10:47	
1,1,2-Trichloroethane	ug/L	ND	5.0	08/16/22 10:47	
1,1-Dichloroethane	ug/L	ND	5.0	08/16/22 10:47	
1,1-Dichloroethene	ug/L	ND	5.0	08/16/22 10:47	
1,1-Dichloropropene	ug/L	ND	5.0	08/16/22 10:47	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	08/16/22 10:47	
1,2,3-Trichloropropane	ug/L	ND	5.0	08/16/22 10:47	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	08/16/22 10:47	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	08/16/22 10:47	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	08/16/22 10:47	
1,2-Dichlorobenzene	ug/L	ND	5.0	08/16/22 10:47	
1,2-Dichloroethane	ug/L	ND	5.0	08/16/22 10:47	
1,2-Dichloropropane	ug/L	ND	5.0	08/16/22 10:47	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	08/16/22 10:47	
1,3-Dichlorobenzene	ug/L	ND	5.0	08/16/22 10:47	
1,3-Dichloropropane	ug/L	ND	5.0	08/16/22 10:47	
1,4-Dichlorobenzene	ug/L	ND	5.0	08/16/22 10:47	
1-Methylnaphthalene	ug/L	ND	10.0	08/16/22 10:47	
2,2-Dichloropropane	ug/L	ND	5.0	08/16/22 10:47	
2-Butanone (MEK)	ug/L	ND	25.0	08/16/22 10:47	
2-Chlorotoluene	ug/L	ND	5.0	08/16/22 10:47	
2-Hexanone	ug/L	ND	25.0	08/16/22 10:47	
2-Methylnaphthalene	ug/L	ND	10.0	08/16/22 10:47	
4-Chlorotoluene	ug/L	ND	5.0	08/16/22 10:47	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	08/16/22 10:47	
Acetone	ug/L	ND	100	08/16/22 10:47	
Acrolein	ug/L	ND	50.0	08/16/22 10:47	
Acrylonitrile	ug/L	ND	100	08/16/22 10:47	
Benzene	ug/L	ND	5.0	08/16/22 10:47	
Bromobenzene	ug/L	ND	5.0	08/16/22 10:47	
Bromochloromethane	ug/L	ND	5.0	08/16/22 10:47	
Bromodichloromethane	ug/L	ND	5.0	08/16/22 10:47	
Bromoform	ug/L	ND	5.0	08/16/22 10:47	
Bromomethane	ug/L	ND	5.0	08/16/22 10:47	
Carbon disulfide	ug/L	ND	10.0	08/16/22 10:47	
Carbon tetrachloride	ug/L	ND	5.0	08/16/22 10:47	
Chlorobenzene	ug/L	ND	5.0	08/16/22 10:47	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

METHOD BLANK: 3178216 Matrix: Water

Associated Lab Samples: 50323279009, 50323279018, 50323279020, 50323279021, 50323279022, 50323279023, 50323279024, 50323279025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroethane	ug/L	ND	5.0	08/16/22 10:47	
Chloroform	ug/L	ND	5.0	08/16/22 10:47	
Chloromethane	ug/L	ND	5.0	08/16/22 10:47	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/16/22 10:47	
cis-1,3-Dichloropropene	ug/L	ND	5.0	08/16/22 10:47	
Dibromochloromethane	ug/L	ND	5.0	08/16/22 10:47	
Dibromomethane	ug/L	ND	5.0	08/16/22 10:47	
Dichlorodifluoromethane	ug/L	ND	5.0	08/16/22 10:47	
Ethyl methacrylate	ug/L	ND	100	08/16/22 10:47	
Ethylbenzene	ug/L	ND	5.0	08/16/22 10:47	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	08/16/22 10:47	
Iodomethane	ug/L	ND	10.0	08/16/22 10:47	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	08/16/22 10:47	
Methyl-tert-butyl ether	ug/L	ND	4.0	08/16/22 10:47	
Methylene Chloride	ug/L	5.3	5.0	08/16/22 10:47	
n-Butylbenzene	ug/L	ND	5.0	08/16/22 10:47	
n-Hexane	ug/L	ND	5.0	08/16/22 10:47	
n-Propylbenzene	ug/L	ND	5.0	08/16/22 10:47	
Naphthalene	ug/L	ND	1.2	08/16/22 10:47	
p-Isopropyltoluene	ug/L	ND	5.0	08/16/22 10:47	
sec-Butylbenzene	ug/L	ND	5.0	08/16/22 10:47	
Styrene	ug/L	ND	5.0	08/16/22 10:47	
tert-Butylbenzene	ug/L	ND	5.0	08/16/22 10:47	
Tetrachloroethene	ug/L	ND	5.0	08/16/22 10:47	
Toluene	ug/L	ND	5.0	08/16/22 10:47	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/16/22 10:47	
trans-1,3-Dichloropropene	ug/L	ND	5.0	08/16/22 10:47	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	08/16/22 10:47	
Trichloroethene	ug/L	ND	5.0	08/16/22 10:47	
Trichlorofluoromethane	ug/L	ND	5.0	08/16/22 10:47	
Vinyl acetate	ug/L	ND	50.0	08/16/22 10:47	
Vinyl chloride	ug/L	ND	2.0	08/16/22 10:47	
Xylene (Total)	ug/L	ND	10.0	08/16/22 10:47	
4-Bromofluorobenzene (S)	%.	98	79-124	08/16/22 10:47	
Dibromofluoromethane (S)	%.	101	82-128	08/16/22 10:47	
Toluene-d8 (S)	%.	97	73-122	08/16/22 10:47	

LABORATORY CONTROL SAMPLE: 3178217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.4	113	77-125	
1,1,1-Trichloroethane	ug/L	50	54.7	109	69-125	
1,1,2,2-Tetrachloroethane	ug/L	50	53.6	107	72-123	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

LABORATORY CONTROL SAMPLE: 3178217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2-Trichloroethane	ug/L	50	55.8	112	73-124	
1,1-Dichloroethane	ug/L	50	55.3	111	71-124	
1,1-Dichloroethene	ug/L	50	56.6	113	63-138	
1,1-Dichloropropene	ug/L	50	64.4	129	80-142	
1,2,3-Trichlorobenzene	ug/L	50	56.3	113	67-134	
1,2,3-Trichloropropane	ug/L	50	54.8	110	75-122	
1,2,4-Trichlorobenzene	ug/L	50	58.4	117	68-132	
1,2,4-Trimethylbenzene	ug/L	50	55.1	110	71-121	
1,2-Dibromoethane (EDB)	ug/L	50	53.6	107	75-123	
1,2-Dichlorobenzene	ug/L	50	53.8	108	76-118	
1,2-Dichloroethane	ug/L	50	53.2	106	68-126	
1,2-Dichloropropane	ug/L	50	54.2	108	73-127	
1,3,5-Trimethylbenzene	ug/L	50	54.9	110	72-120	
1,3-Dichlorobenzene	ug/L	50	54.2	108	75-119	
1,3-Dichloropropane	ug/L	50	53.4	107	77-125	
1,4-Dichlorobenzene	ug/L	50	55.1	110	74-118	
1-Methylnaphthalene	ug/L	50	57.6	115	51-164	
2,2-Dichloropropane	ug/L	50	57.1	114	52-137	
2-Butanone (MEK)	ug/L	250	264	106	57-130	
2-Chlorotoluene	ug/L	50	53.5	107	69-123	
2-Hexanone	ug/L	250	252	101	57-130	
2-Methylnaphthalene	ug/L	50	57.3	115	57-159	
4-Chlorotoluene	ug/L	50	54.8	110	74-122	
4-Methyl-2-pentanone (MIBK)	ug/L	250	254	102	58-134	
Acetone	ug/L	250	240	96	41-133	
Acrolein	ug/L	1000	1100	110	43-124	
Acrylonitrile	ug/L	250	249	100	66-131	
Benzene	ug/L	50	56.9	114	76-121	
Bromobenzene	ug/L	50	57.7	115	67-127	
Bromochloromethane	ug/L	50	56.2	112	65-126	
Bromodichloromethane	ug/L	50	56.7	113	72-125	
Bromoform	ug/L	50	52.6	105	57-134	
Bromomethane	ug/L	50	53.9	108	10-187	
Carbon disulfide	ug/L	50	51.8	104	59-125	
Carbon tetrachloride	ug/L	50	58.5	117	71-134	
Chlorobenzene	ug/L	50	54.1	108	74-119	
Chloroethane	ug/L	50	50.7	101	49-152	
Chloroform	ug/L	50	54.7	109	68-123	
Chloromethane	ug/L	50	47.3	95	33-133	
cis-1,2-Dichloroethene	ug/L	50	57.3	115	73-122	
cis-1,3-Dichloropropene	ug/L	50	58.9	118	69-128	
Dibromochloromethane	ug/L	50	53.8	108	69-127	
Dibromomethane	ug/L	50	54.1	108	74-126	
Dichlorodifluoromethane	ug/L	50	36.5	73	19-136	
Ethyl methacrylate	ug/L	50	54.5J	109	65-127	
Ethylbenzene	ug/L	50	54.2	108	74-122	
Hexachloro-1,3-butadiene	ug/L	50	60.8	122	65-140	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

LABORATORY CONTROL SAMPLE: 3178217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	50	60.0	120	10-181	
Isopropylbenzene (Cumene)	ug/L	50	55.5	111	75-124	
Methyl-tert-butyl ether	ug/L	50	56.9	114	71-125	
Methylene Chloride	ug/L	50	53.0	106	71-125	
n-Butylbenzene	ug/L	50	56.5	113	68-124	
n-Hexane	ug/L	50	49.9	100	60-132	
n-Propylbenzene	ug/L	50	55.8	112	75-122	
Naphthalene	ug/L	50	53.6	107	69-128	
p-Isopropyltoluene	ug/L	50	57.7	115	73-125	
sec-Butylbenzene	ug/L	50	57.7	115	76-125	
Styrene	ug/L	50	53.9	108	74-126	
tert-Butylbenzene	ug/L	50	55.5	111	69-123	
Tetrachloroethene	ug/L	50	57.1	114	74-129	
Toluene	ug/L	50	53.5	107	70-118	
trans-1,2-Dichloroethene	ug/L	50	55.3	111	69-124	
trans-1,3-Dichloropropene	ug/L	50	57.4	115	66-125	
trans-1,4-Dichloro-2-butene	ug/L	50	58.3J	117	43-155	
Trichloroethene	ug/L	50	58.8	118	73-125	
Trichlorofluoromethane	ug/L	50	49.9	100	56-139	
Vinyl acetate	ug/L	200	208	104	46-101	L1
Vinyl chloride	ug/L	50	44.8	90	46-134	
Xylene (Total)	ug/L	150	159	106	71-123	
4-Bromofluorobenzene (S)	%.			98	79-124	
Dibromofluoromethane (S)	%.			99	82-128	
Toluene-d8 (S)	%.			97	73-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3178218 3178219

Parameter	Units	50323214003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	100	100	118	115	118	115	64-142	2	20	
1,1,1-Trichloroethane	ug/L	ND	100	100	103	102	103	102	60-143	1	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	100	100	116	116	116	116	64-135	0	20	
1,1,2-Trichloroethane	ug/L	ND	100	100	121	117	121	117	66-137	3	20	
1,1-Dichloroethane	ug/L	ND	100	100	106	106	106	106	62-144	0	20	
1,1-Dichloroethene	ug/L	ND	100	100	98.1	99.0	98	99	55-158	1	20	
1,1-Dichloropropene	ug/L	ND	100	100	111	109	111	109	65-164	1	20	
1,2,3-Trichlorobenzene	ug/L	ND	100	100	93.5	94.1	93	94	35-149	1	20	
1,2,3-Trichloropropane	ug/L	ND	100	100	121	119	121	119	66-135	1	20	
1,2,4-Trichlorobenzene	ug/L	ND	100	100	83.2	85.1	83	85	27-149	2	20	
1,2,4-Trimethylbenzene	ug/L	ND	100	100	93.9	94.5	94	94	41-140	1	20	
1,2-Dibromoethane (EDB)	ug/L	ND	100	100	119	115	119	115	68-136	4	20	
1,2-Dichlorobenzene	ug/L	ND	100	100	96.5	97.1	96	97	47-140	1	20	
1,2-Dichloroethane	ug/L	ND	100	100	120	118	120	118	61-144	1	20	
1,2-Dichloropropane	ug/L	ND	100	100	112	111	112	111	67-141	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3178218 3178219

Parameter	Units	50323214003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3,5-Trimethylbenzene	ug/L	ND	100	100	93.5	94.0	93	94	40-141	1	20	
1,3-Dichlorobenzene	ug/L	ND	100	100	87.3	86.8	87	87	39-142	1	20	
1,3-Dichloropropane	ug/L	ND	100	100	117	114	117	114	67-141	3	20	
1,4-Dichlorobenzene	ug/L	ND	100	100	84.4	85.3	84	85	39-140	1	20	
1-Methylnaphthalene	ug/L	ND	100	100	109	112	109	112	31-172	3	20	
2,2-Dichloropropane	ug/L	ND	100	100	89.9	90.3	90	90	32-144	0	20	
2-Butanone (MEK)	ug/L	ND	500	500	612	599	122	120	49-149	2	20	
2-Chlorotoluene	ug/L	ND	100	100	94.2	95.3	94	95	37-144	1	20	
2-Hexanone	ug/L	ND	500	500	595	570	119	114	48-147	4	20	
2-Methylnaphthalene	ug/L	ND	100	100	102	104	102	104	39-163	3	20	
4-Chlorotoluene	ug/L	ND	100	100	89.1	89.8	89	90	34-148	1	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	500	500	604	585	121	117	50-152	3	20	
Acetone	ug/L	ND	500	500	606	589	121	118	23-157	3	20	
Acrolein	ug/L	ND	2000	2000	1700	1780	85	89	25-137	4	20	
Acrylonitrile	ug/L	ND	500	500	571	568	114	114	56-149	1	20	
Benzene	ug/L	ND	100	100	322	315	322	315	68-139	2	20	E,M1
Bromobenzene	ug/L	ND	100	100	111	109	111	109	49-142	1	20	
Bromochloromethane	ug/L	ND	100	100	111	111	111	111	58-143	0	20	
Bromodichloromethane	ug/L	ND	100	100	118	115	118	115	65-139	3	20	
Bromoform	ug/L	ND	100	100	116	115	116	115	51-139	1	20	
Bromomethane	ug/L	ND	100	100	98.7	105	99	105	10-189	6	20	
Carbon disulfide	ug/L	ND	100	100	79.5	79.2	79	79	45-143	0	20	
Carbon tetrachloride	ug/L	ND	100	100	109	106	109	106	61-153	3	20	
Chlorobenzene	ug/L	ND	100	100	98.6	98.1	99	98	57-137	0	20	
Chloroethane	ug/L	ND	100	100	88.3	88.0	88	88	41-183	0	20	
Chloroform	ug/L	ND	100	100	110	109	110	109	61-138	1	20	
Chloromethane	ug/L	ND	100	100	83.3	84.7	83	85	25-150	2	20	
cis-1,2-Dichloroethene	ug/L	ND	100	100	105	104	105	104	58-142	1	20	
cis-1,3-Dichloropropene	ug/L	ND	100	100	109	109	109	109	53-140	0	20	
Dibromochloromethane	ug/L	ND	100	100	120	116	120	116	61-139	4	20	
Dibromomethane	ug/L	ND	100	100	117	115	117	115	69-138	2	20	
Dichlorodifluoromethane	ug/L	ND	100	100	64.1	63.2	64	63	10-150	1	20	
Ethyl methacrylate	ug/L	ND	100	100	117	115	117	115	57-141	2	20	
Ethylbenzene	ug/L	ND	100	100	105	104	105	104	54-141	1	20	
Hexachloro-1,3-butadiene	ug/L	ND	100	100	90.6	91.1	91	91	10-173	0	20	
Iodomethane	ug/L	ND	100	100	112	112	112	112	10-184	1	20	
Isopropylbenzene (Cumene)	ug/L	ND	100	100	108	106	108	106	48-145	2	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	127	126	127	126	62-143	1	20	
Methylene Chloride	ug/L	ND	100	100	108	109	108	109	59-141	1	20	
n-Butylbenzene	ug/L	ND	100	100	84.9	85.5	85	86	19-150	1	20	
n-Hexane	ug/L	ND	100	100	96.4	96.6	96	97	44-145	0	20	
n-Propylbenzene	ug/L	ND	100	100	104	104	104	104	36-150	0	20	
Naphthalene	ug/L	ND	100	100	108	107	108	107	56-136	1	20	
p-Isopropyltoluene	ug/L	ND	100	100	92.8	92.9	93	93	28-152	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3178218 3178219

Parameter	Units	50323214003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
sec-Butylbenzene	ug/L	ND	100	100	101	101	101	101	36-151	0	20	
Styrene	ug/L	ND	100	100	93.1	91.0	93	91	51-146	2	20	
tert-Butylbenzene	ug/L	ND	100	100	104	103	104	103	42-142	1	20	
Tetrachloroethene	ug/L	ND	100	100	97.3	96.4	97	96	50-149	1	20	
Toluene	ug/L	ND	100	100	100	98.6	100	99	59-134	2	20	
trans-1,2-Dichloroethene	ug/L	ND	100	100	89.0	89.5	89	90	57-141	1	20	
trans-1,3-Dichloropropene	ug/L	ND	100	100	105	104	105	104	51-136	2	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	100	102	94.8J	102	95	26-157		20	
Trichloroethene	ug/L	ND	100	100	103	102	103	102	55-147	0	20	
Trichlorofluoromethane	ug/L	ND	100	100	92.3	89.5	92	89	55-160	3	20	
Vinyl acetate	ug/L	ND	400	400	293	286	73	71	24-109	2	20	
Vinyl chloride	ug/L	ND	100	100	76.9	77.1	77	77	36-154	0	20	
Xylene (Total)	ug/L	ND	300	300	291	285	97	95	50-143	2	20	
4-Bromofluorobenzene (S)	%.						100	99	79-124			
Dibromofluoromethane (S)	%.						100	99	82-128			
Toluene-d8 (S)	%.						97	96	73-122			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3178220 3178221

Parameter	Units	50323279009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	60.3	56.8	121	114	64-142	6	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	55.1	55.0	110	110	60-143	0	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	58.1	56.1	116	112	64-135	4	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	57.9	55.5	116	111	66-137	4	20	
1,1-Dichloroethane	ug/L	ND	50	50	56.7	55.2	113	110	62-144	3	20	
1,1-Dichloroethene	ug/L	ND	50	50	56.0	58.4	112	117	55-158	4	20	
1,1-Dichloropropene	ug/L	ND	50	50	64.2	66.1	128	132	65-164	3	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	55.2	59.6	110	119	35-149	8	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	60.6	53.8	121	108	66-135	12	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	53.6	63.0	107	126	27-149	16	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	53.5	56.4	107	113	41-140	5	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	57.6	53.9	115	108	68-136	7	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	54.8	55.6	110	111	47-140	1	20	
1,2-Dichloroethane	ug/L	ND	50	50	58.3	53.4	117	107	61-144	9	20	
1,2-Dichloropropane	ug/L	ND	50	50	58.0	57.8	116	116	67-141	0	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	53.3	56.0	107	112	40-141	5	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	52.4	57.7	105	115	39-142	10	20	
1,3-Dichloropropane	ug/L	ND	50	50	58.5	56.1	117	112	67-141	4	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	53.5	57.0	107	114	39-140	6	20	
1-Methylnaphthalene	ug/L	ND	50	50	59.9	60.1	116	117	31-172	0	20	
2,2-Dichloropropane	ug/L	ND	50	50	55.8	59.3	112	119	32-144	6	20	
2-Butanone (MEK)	ug/L	ND	250	250	295	258	118	103	49-149	14	20	
2-Chlorotoluene	ug/L	ND	50	50	52.5	55.1	105	110	37-144	5	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3178220 3178221

Parameter	Units	50323279009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Hexanone	ug/L	ND	250	250	288	247	115	99	48-147	15	20	
2-Methylnaphthalene	ug/L	ND	50	50	58.0	61.4	113	120	39-163	6	20	
4-Chlorotoluene	ug/L	ND	50	50	54.1	58.1	108	116	34-148	7	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	292	254	117	102	50-152	14	20	
Acetone	ug/L	ND	250	250	246	212	98	85	23-157	15	20	
Acrolein	ug/L	ND	1000	1000	1190	1190	119	119	25-137	0	20	
Acrylonitrile	ug/L	ND	250	250	289	292	116	117	56-149	1	20	
Benzene	ug/L	ND	50	50	58.6	59.5	117	119	68-139	1	20	
Bromobenzene	ug/L	ND	50	50	61.0	61.0	122	122	49-142	0	20	
Bromochloromethane	ug/L	ND	50	50	59.8	53.9	120	108	58-143	10	20	
Bromodichloromethane	ug/L	ND	50	50	59.5	57.1	119	114	65-139	4	20	
Bromoform	ug/L	ND	50	50	57.1	53.8	114	108	51-139	6	20	
Bromomethane	ug/L	ND	50	50	58.1	48.5	116	97	10-189	18	20	
Carbon disulfide	ug/L	ND	50	50	51.2	53.1	102	106	45-143	4	20	
Carbon tetrachloride	ug/L	ND	50	50	59.7	59.9	119	120	61-153	0	20	
Chlorobenzene	ug/L	ND	50	50	55.4	55.3	111	111	57-137	0	20	
Chloroethane	ug/L	ND	50	50	49.5	54.9	99	110	41-183	10	20	
Chloroform	ug/L	ND	50	50	57.9	55.0	116	110	61-138	5	20	
Chloromethane	ug/L	ND	50	50	48.5	47.4	97	95	25-150	2	20	
cis-1,2-Dichloroethene	ug/L	103	50	50	143	154	81	103	58-142	7	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	61.0	52.3	122	105	53-140	15	20	
Dibromochloromethane	ug/L	ND	50	50	58.2	56.1	116	112	61-139	4	20	
Dibromomethane	ug/L	ND	50	50	59.3	56.3	119	113	69-138	5	20	
Dichlorodifluoromethane	ug/L	ND	50	50	33.9	35.6	68	71	10-150	5	20	
Ethyl methacrylate	ug/L	ND	50	50	59.8J	53.8J	120	108	57-141		20	
Ethylbenzene	ug/L	ND	50	50	55.4	56.5	111	113	54-141	2	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	56.2	64.3	112	129	10-173	14	20	
Iodomethane	ug/L	ND	50	50	57.9	50.0	116	100	10-184	15	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	56.3	57.5	113	115	48-145	2	20	
Methyl-tert-butyl ether	ug/L	ND	50	50	62.6	56.4	125	113	62-143	10	20	
Methylene Chloride	ug/L	ND	50	50	53.4	53.2	107	106	59-141	0	20	
n-Butylbenzene	ug/L	ND	50	50	52.3	58.5	105	117	19-150	11	20	
n-Hexane	ug/L	ND	50	50	49.8	56.0	100	112	44-145	12	20	
n-Propylbenzene	ug/L	ND	50	50	53.7	58.2	107	116	36-150	8	20	
Naphthalene	ug/L	ND	50	50	56.9	55.3	114	111	56-136	3	20	
p-Isopropyltoluene	ug/L	ND	50	50	54.2	59.2	108	118	28-152	9	20	
sec-Butylbenzene	ug/L	ND	50	50	56.9	59.7	114	119	36-151	5	20	
Styrene	ug/L	ND	50	50	55.1	55.8	110	112	51-146	1	20	
tert-Butylbenzene	ug/L	ND	50	50	56.3	58.8	113	118	42-142	4	20	
Tetrachloroethene	ug/L	10.9	50	50	66.8	71.7	112	122	50-149	7	20	
Toluene	ug/L	ND	50	50	54.8	55.0	109	109	59-134	0	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	56.8	59.3	111	116	57-141	4	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	60.7	59.5	121	119	51-136	2	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	50	50	61.6J	57.5J	123	115	26-157		20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA

Project: HRID 3Q2022
Pace Project No.: 50323279

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3178220 3178221

Parameter	Units	50323279009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichloroethene	ug/L	36.3	50	50	89.8	98.6	107	125	55-147	9	20	
Trichlorofluoromethane	ug/L	ND	50	50	50.4	52.5	101	105	55-160	4	20	
Vinyl acetate	ug/L	ND	200	200	202	205	101	102	24-109	2	20	
Vinyl chloride	ug/L	14.3	50	50	54.8	61.1	81	94	36-154	11	20	
Xylene (Total)	ug/L	ND	150	150	161	164	107	109	50-143	2	20	
4-Bromofluorobenzene (S)	%.						100	98	79-124			
Dibromofluoromethane (S)	%.						100	101	82-128			
Toluene-d8 (S)	%.						96	98	73-122			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALIFIERS

Project: HRID 3Q2022
Pace Project No.: 50323279

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1d	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HRID 3Q2022
Pace Project No.: 50323279

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50323279001	MW-24	EPA 5030/8260	690714		
50323279002	MW-39	EPA 5030/8260	690964		
50323279003	MW-37	EPA 5030/8260	690964		
50323279004	MW-36	EPA 5030/8260	690964		
50323279005	MW-32	EPA 5030/8260	690964		
50323279006	MW-25	EPA 5030/8260	690964		
50323279007	DUP-A	EPA 5030/8260	690964		
50323279008	MW-23	EPA 5030/8260	690964		
50323279009	MW-22D	EPA 5030/8260	691136		
50323279010	MW-22	EPA 5030/8260	690964		
50323279011	MW-33	EPA 5030/8260	690964		
50323279012	MW-33D	EPA 5030/8260	690964		
50323279013	MW-11	EPA 5030/8260	690964		
50323279014	MW-30	EPA 5030/8260	690964		
50323279015	MW-42	EPA 5030/8260	691134		
50323279016	MW-42D	EPA 5030/8260	691134		
50323279017	MW-40S	EPA 5030/8260	691134		
50323279018	MW-12	EPA 5030/8260	691136		
50323279019	MW-12D	EPA 5030/8260	691134		
50323279020	MW-29	EPA 5030/8260	691136		
50323279021	MW-29D	EPA 5030/8260	691136		
50323279022	MW-41	EPA 5030/8260	691136		
50323279023	MW-41D	EPA 5030/8260	691136		
50323279024	DUP-B	EPA 5030/8260	691136		
50323279025	MW-14D	EPA 5030/8260	691136		
50323279026	MW-14	EPA 5030/8260	691134		
50323279027	MW-15D	EPA 5030/8260	691134		
50323279028	MW-15	EPA 5030/8260	691134		
50323279029	MW-43D	EPA 5030/8260	691134		
50323279030	MW-43	EPA 5030/8260	691134		
50323279031	MW-46I	EPA 5030/8260	690964		
50323279032	Trip Blank	EPA 5030/8260	690964		

REPORT OF LABORATORY ANALYSIS

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request

WO# : 50323279

50323279

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info

Section A	Section B	Section C
Required Client Information:	**Required Project Information:**	**Invoice Information:**
Company: Patriot_Indianapolis	Report To: James Cody	Attention: Accounts Payable
Address: 6150 E. 75th St.	Copy To:	Company Name: Patriot IN
Indianapolis, IN 46250		Address:
Email: mcasper@patrioteng.com	Purchase Order #: 21-1359-01E	Pace Quote:
Phone: 317-576-8058 Fax:	Project Name: HRID 2Q2022	Pace Project Manager: tina.sayer@pacelabs.com,
Requested Due Date: 10 day TAT	Project #:	Pace Profile #: 6950-7

Regulatory Agency
State / Location
IN

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	VOCs by 8260	MS/MSD (A)	MS/MSD (B)	Residual Chlorine (Y/N)	
1	MW-24	WT	G			8/8	1145		3				X					X	X					001
2	MW-39					8/8	1180		3				X					X	X					002
3	MW-37					8/8	1250		3				X					X	X					003
4	MW-36					8/8	1335		3				X					X	X					004
5	MW-32					8/8	1430		3				X					X	X					005
6	MW-25					8/8	1520		3				X					X	X					006
7	DUP-A					8/8			3				X					X	X					007
8	MW-23					8/9	815		3				X					X	X					008
9	MW-22D					8/9	840		9				X					X	X	X				009
10	MW-22					8/9	930		3				X					X	X					010
11	MW-33					8/9	1030		3				X					X	X					011
12	MW-33D	V	V			8/9	1120		3				X					X	X					012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	D. Richardson/Patriot	8/11	1425	JC	8/11/22	1424	2.5	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Danielle Richardson

SIGNATURE of SAMPLER: Danielle Richardson DATE Signed: 8/11/22

TEMP in C	Received on Ice (Y/N)	Custody Seals Present (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical
WWW.PACELABS.COM

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Patriot_Indianapolis	Report To: James Cody	Attention: Accounts Payable
Address: 6150 E. 75th St.	Copy To:	Company Name: Patriot IN
Indianapolis, IN 46250		Address:
Email: mcasper@patrioteng.com	Purchase Order #: 21-1359-01E	Pace Quote:
Phone: 317-576-8058 Fax:	Project Name: HRID 2Q2022	Pace Project Manager: tina.sayer@pacelabs.com,
Requested Due Date: 10 day TAT	Project #:	Pace Profile #: 6950-7

Regulatory Agency	State / Location
	IN

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	VOCs by 8260	MS/MSD(A)	MS/MSD(B)	Residual Chlorine (Y/N)	
	MATRIX CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Other OT, Tissue TS																	Requested Analysis Filtered (Y/N)					
1	MW-11	WT	G			8/9	905		3										X				013
2	MW-30					8/9	1005		3										X				014
3	MW-42					8/10	905		3										X				015
4	MW-42D					8/10	830		3										X				016
5	MW-40S					8/10	1520		3										X				017
6	MW-12					8/10	1140		3										X				018
7	MW-12D					8/10	1215		9										X		X		019
8	MW-29					8/10	1610		3										X				020
9	MW-29D					8/10	1255		3										X				021
10	MW-41					8/10	1405		3										X				022
11	MW-41D					8/10	1440		3										X				023
12	DUP-B	V	V			8/10			3										X				024

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
				JC	8/11/22	1434	2.5	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed:

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Patriot_Indianapolis	Report To:	James Cody	Attention:	Accounts Payable
Address:	6150 E. 75th St.	Copy To:		Company Name:	Patriot IN
	Indianapolis, IN 46250			Address:	
Email:	mcasper@patrioteng.com	Purchase Order #:	21-1359-01E	Pace Quote:	
Phone:	317-576-8058 Fax:	Project Name:	HRID 2Q2022	Pace Project Manager:	tina.sayer@pacelabs.com,
Requested Due Date:	10 day TAT	Project #:		Pace Profile #:	6950-7

Regulatory Agency

State / Location: IN

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): VOCs by 8260	Residual Chlorine (Y/N)	
1	MW-14D	WT	G			8/11	850		3				X						X		025
2	MW-14						930						X						X		026
3	MW-15D						1010						X						X		027
4	MW-15						1050						X						X		028
5	MW-43D						1135						X						X		029
6	MW-43						1225						X						X		030
7	MW-46I						1320						X						X		031
8	Trip Blanks												X						X		032
9																					
10																					
11																					
12																					

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Seal Cooler (Y/N)	Samples Intact (Y/N)
				JC	8/11/22	1424	2.5	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed:

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: JC 8/11/22 1520

1. **Courier:** ☐ FED EX ☐ UPS ☑ CLIENT ☐ PACE ☑ USPS ☐ OTHER _____
2. **Custody Seal on Cooler/Box Present:** ☐ Yes ☑ No
   (If yes)Seals Intact: ☐ Yes ☐ No **(leave blank if no seals were present)**
3. **Thermometer:** 1 2 3 4 5 6 A B C D E (F)
4. **Cooler Temperature(s):** 2.7|2.5 (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)
5. **Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____
6. **Ice Type:** ☑ Wet ☐ Blue ☐ None
7. **If temp. is over 6°C or under 0°C, was the PM notified?:** ☐ Yes ☐ No
   Cooler temp should be above freezing to 6°C

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓	All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form			
Short Hold Time Analysis (48 hours or less)? Analysis:		✓				✓
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:			Present	Absent	N/A ✓
Rush TAT Requested (4 days or less):	✓	✓	Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Custody Signatures Present?	✓		Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Containers Intact?:	✓		Headspace Wisconsin Sulfide?			✓
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓ JC 8/11/22	✓	Headspace in VOA Vials (>6mm): See Containter Count form for details	Present	Absent ✓	No VOA Vials Sent
Extra labels on Terracore Vials? (soils only)			Trip Blank Present?	✓		
			Trip Blank Custody Seals?:	✓		

COMMENTS: MW-22 containers are labled as MW-23 with matching time of MW-22.

COC PAGE 1 of 3

Sample Container Count

** Place a RED dot on containers that are out of conformance **

		MeOH (only)		VIALS				AMBER GLASS							PLASTIC										OTHER				Matrix
		SBS																											
		DI																											
COC Line Item	WGFU	R	DG9H	VG9H	VOA VIAL HS (>6mm)	VG9U	DG9U	VG9T	AG0U	AG1H	AG1U	AG2U	AG3S	AG3SF	AG3C	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	Syringe Kit			
1			3																									WT
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9			9																										
10			3																										
11																													
12																													

Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
Red	Yellow	Green	Black
HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	BG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	BG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
BG1H	1L HCl clear glass	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1S	1L H2SO4 clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
GN	General	AG3C	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
T	Tedlar Bag (air sample)
U	Summa Can (air sample)
WT	Water
SL	Solid Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

COC PAGE 2 of 3

Sample Container Count

** Place a RED dot on containers that are out of conformance **

		MeOH (only)		VIALS					AMBER GLASS							PLASTIC									OTHER					Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
		SBS																												Red	Yellow	Green	Black
		DI																														
COC Line Item	WGFU	R	DG9H	VG9H	VOA VIAL HS (>6mm)	VG9U	DG9U	VG9T	AG0U	AG1H	AG1U	AG2U	AG3S	AG3SF	AG3C	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	Syringe Kit			Matrix	HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9
1			3																									WT				
2																																
3																																
4																																
5																																
6																																
7			9																													
8			3																													
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	BG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	BG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
BG1H	1L HCl clear glass	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1S	1L H2SO4 clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
GN	General	AG3C	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
T	Tedlar Bag (air sample)
U	Summa Can (air sample)
WT	Water
SL	Solid Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

COC PAGE 3 of 3

Sample Container Count

** Place a RED dot on containers that are out of conformance **

			VIALS					AMBER GLASS							PLASTIC									OTHER				Matrix
COC Line Item	WGFU	MeOH (only) SBS DI R	DG9H	VG9H	VOA VIAL HS (>6mm)	VG9U	DG9U	VG9T	AG0U	AG1H	AG1U	AG2U	AG3S	AG3SF	AG3C	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	Syringe Kit			
1			3																									3
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
Red	Yellow	Green	Black
HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	BG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	BG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
BG1H	1L HCl clear glass	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1S	1L H2SO4 clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
GN	General	AG3C	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
T	Tedlar Bag (air sample)
U	Summa Can (air sample)
WT	Water
SL	Solid Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe