May 31, 2023
File No. 25223008.02

Mr. Trevor Bannister
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711

Subject: 2022 Annual Report
Land & Gas Reclamation Landfill/Hechimovich Sanitary Landfill Site
Dodge County, Wisconsin
BRRTS #02-14-000906

Dear Mr. Bannister:

On behalf of Glacier Ridge Landfill, LLC (GRL), SCS Engineers (SCS) is submitting this report summarizing the results of groundwater sampling completed in 2022 related to off-site investigation of chlorinated volatile organic compounds (CVOCs) in bedrock at Land & Gas Reclamation Landfill (LGRL). In response to Recommendation #5 in the Fifth Five-Year Review Report prepared by the Wisconsin Department of Natural Resources (WDNR), the annual report for the off-site investigation includes results of groundwater monitoring performed for LGRL under the solid waste program as well as monitoring for the CVOC investigation.

BACKGROUND

LGRL is a Superfund site (EPA ID #WID052906088) located south of Mayville, Wisconsin. LGRL was formerly known as the Hechimovich Sanitary Landfill, and the Superfund list continues to refer to LGRL by that name. In 2014 through 2016, the waste that had been disposed in LGRL was exhumed and relocated to the active Glacier Ridge Landfill (GRL). The GRL Southeast Expansion was then constructed in the area of the former LGRL. GRL is part of the group of potentially responsible parties (PRPs) responsible for remediation and monitoring of the LGRL site, along with John Deere, Mercury Marine, and several other area businesses that disposed of waste in LGRL.

The Fifth Five-Year Review Report for the site was prepared by the WDNR and was signed by the Director of the Superfund and Emergency Management Division of the U.S. Environmental Protection Agency (U.S. EPA) on June 10, 2019. On behalf of GRL, SCS submitted a response to the Five-Year Review Report recommendations in a letter to WDNR dated April 15, 2020, including suggested clarifications and corrections to the Five-Year Review Report. The WDNR report and response letter provide additional site background information.

Although the waste exhumation project effectively removed LGRL, the site continues to be regulated under the WDNR Waste and Materials Management (WMM) program under WDNR Landfill License #1118. The approved groundwater monitoring plan under the solid waste program requires monitoring of several water table monitoring wells and piezometers for inorganic parameters and volatile organic compounds (VOCs). All wells sampled under the solid waste program approval are installed in the shallow unconsolidated aquifer.

After CVOCs were detected in the bedrock aquifer downgradient from LGRL in 2009, the WDNR requested additional investigation. The bedrock groundwater investigation has been implemented in accordance with work plans approved by the WDNR Remediation and Redevelopment (R&R) program. The objectives of the investigation have been to evaluate the vertical and horizontal extent of CVOCs in the bedrock aquifer and to characterize the flow directions and pathways in the bedrock. Investigation Phases 1, 2, and 3, which have been completed, evaluated the vertical, horizontal, and downgradient extents of the CVOC plume, respectively. A summary of the previous investigation work completed during Phases 1 through 3 was submitted to WDNR as part of the Phase 3 Investigation Update on May 10, 2018. An update on the bedrock investigation in 2021 was submitted on March 23, 2022.

GEOLOGY AND HYDROGEOLOGY

The geology in the site vicinity includes four major units: the shallow unconsolidated sediments, the Maquoketa shale, the Ordovician and Cambrian dolomite and sandstone bedrock, and the underlying Precambrian crystalline bedrock. The unconsolidated sediments above bedrock in the vicinity of the site consist primarily of silty sand and sandy silt deposited as glacial till. The shallow deposits in the wetlands around the drumlin include peat and organic clay. Based on water supply well logs, the thickness of the unconsolidated sediments near the site ranges from approximately 25 to 140 feet.

The uppermost bedrock unit beneath the site is the Maquoketa Shale, which consists of Ordovician blue-gray shale with dolomitic beds as much as 25 feet thick near the top of the unit. The bedrock units below the Maquoketa shale include the Sinnipee Group (primarily dolomite) and the underlying St. Peter Sandstone. The bedrock investigation wells are installed in the dolomite and sandstone units.

Monitoring well and water supply well locations are shown on **Figure 1**. The locations of cross sections showing the site geology and well construction are shown on **Figure 2**. Cross sections A-A' (**Figure 3**) and B-B' (**Figure 4**) show the bedrock geology and depths of monitoring wells and water supply wells. Cross section A-A' is oriented north-south, and cross section B-B' is oriented southwest-northeast, in the general direction of flow and CVOC impacts. Cross section C-C' (**Figure 5**) shows the monitoring well depths in the shallow unconsolidated aquifer along the general direction of flow and volatile organic compound (VOC) impacts north of LGRL.

2022 INVESTIGATION ACTIVITIES

Submittals and correspondence related to the LGRL investigation and monitoring in 2022 included the following:

Date	Preparer	Description
March 23, 2022	SCS	Additional Investigation Update
May 24,2022	SCS	Water Supply Well Monitoring Results – April 2022
June 1, 2022	SCS	2021 Annual Report

In addition to the listed correspondence, private well sampling results were submitted to the well owners with copies to WDNR by Environmental Sampling Corporation (ESC), including monthly results for PW-21RR and semiannual results for a larger group of wells. Results for routine semiannual groundwater monitoring in accordance with the LGRL monitoring plan approved by the WDNR solid waste program were submitted to the WDNR by SCS in accordance with NR 507, including electronic data submittal to the Groundwater and Environmental Monitoring System (GEMS).

2022 MONITORING PROGRAMS

During 2022, groundwater monitoring continued under the plans approved by the WDNR WMM program for the shallow aquifer and by the WDNR R&R program for the bedrock aquifer. The bedrock investigation monitoring program also includes two deep piezometers installed at the base of the unconsolidated aquifer, just above the shale (MW-1B and P-422B).

Results of the monitoring performed under the WMM program have been submitted electronically, as required, for upload to the GEMS database. A summary of the 2019 to 2022 results for the LGRL shallow aquifer monitoring program is provided in **Attachment A**.

Monitoring is also performed under the WMM program for the active GRL site, which is not part of the Superfund site. Some of the monitoring results for GRL are useful for the LGRL groundwater evaluation, either because they are in locations affected by the former LGRL site (impacted wells), or because they define the limits of impacts from LGRL (clean wells). Monitoring results for 2019 through 2022 for selected GRL monitoring wells in the shallow aquifer are provided in **Attachment B**.

For the bedrock groundwater investigation, the monitoring program during 2022 included the following wells:

- Monthly water supply well: PW-21RR
- Semiannual water supply wells: PW-19, PW-20, PW-23, PW-28, PW-32, PW-38
- Annual water supply wells: PW-42, PW-43, PW-44
- Semiannual bedrock monitoring wells: P-401D, P-402E, P-423D, P-424D, P-424SS, P-426D, P-426SS, P-429SS, P-430D
- Semiannual deep unconsolidated aquifer monitoring wells: MW-1B, P-422B

Laboratory reports for water supply well sampling were previously submitted to the WDNR following each sampling event. Laboratory reports not previously submitted to WDNR (April and October 2022 investigation monitoring wells) are included in **Attachment C**.

WATER LEVEL MONITORING AND GROUNDWATER FLOW

Shallow Groundwater Flow

Water level monitoring results obtained as part of the approved monitoring programs under the WMM program were used to evaluate the groundwater flow direction in the shallow aquifer. The water table map for October 2022 is shown on **Figure 6**. The water table map incorporates data from the LGRL and GRL water table monitoring wells. Groundwater flow in the LGRL area is generally to

the north-northeast. Groundwater elevations for the LGRL monitoring wells are included in the historical results summary in **Appendix A.**

Bedrock Groundwater Flow

As part of the bedrock groundwater investigation, water level monitoring was performed to evaluate the groundwater flow direction in the upper dolomite and measure the vertical gradient between the dolomite and the deeper sandstone.

ESC collected two complete rounds of water level measurements from the bedrock monitoring wells in April and October 2022. Groundwater elevation measurements in bedrock wells are summarized in **Table 1**.

Potentiometric surface contour maps of the water elevation data collected from monitoring wells screened in the upper dolomite and sandstone bedrock aquifers in April and October 2022 are shown on **Figures 7** through **10**. The contours for both the dolomite and sandstone aquifers in April and October generally show apparent groundwater flow to the east-northeast.

The upper dolomite aquifer water elevation contours for October 2022 shown on **Figure 8** may appear distorted compared to the April 2022 contours shown on **Figure 7**. Normally the measured elevations in P-401 and P-402E are within approximately a tenth of a foot; however, in April 2019, April 2020, and October 2022 the heads in these two wells differed by 0.8 to 1 foot.

The apparent horizontal hydraulic gradient between LGRL (P-401D) and downgradient well P-424D was 0.0006 to the northeast in April 2022 and 0.0002 to the southwest in October 2022. (The water levels measured in P-401D, and P-402E in particular, in October 2022 appear anomalously low compared to typical monitoring events.) The horizontal hydraulic gradient in the sandstone was also steeper in October 2021 (0.007) compared to April 2021 (0.004).

The potentiometric surface maps for the dolomite show that P-430D (former PW-J) is upgradient of the landfill area. Head elevations in the dolomite at P-430D are consistently approximately 36 to 40 feet higher at this well compared to those measured on the east side of LGRL.

There appears to be relatively little head difference between the dolomite and upper sandstone aquifers on the All-Line property. The head in the dolomite was slightly higher than the sandstone during both measurement events in 2022, consistent with historical data. The vertical gradient between the dolomite well P-424D and the sandstone well P-424SS, with a vertical separation of screen midpoints of 206 feet, was approximately 0.003 in both April and October 2022. Given the apparent low hydraulic conductivity of the lower dolomite and the small vertical gradient, there appears to be limited potential for vertical groundwater flow between the upper dolomite and sandstone in the vicinity of the P-424 well nest.

Further to the north, the vertical head gradients at the P-426 nest are an order of magnitude greater than at the P-424 nest. The vertical gradient in the P-426 nest was 0.012 in April and 0.013 in October 2022.

MONITORING WELL SAMPLING AND ANALYSIS

Shallow Monitoring Wells

During 2022, ESC collected groundwater samples from the existing shallow water table monitoring wells semiannually in April and October. The supplemental shallow aquifer sampling recommended in the 2019 Annual Report was completed in April 2021, and included one-time sampling of the following additional wells for VOCs:

LGRL Wells
- MW-7R
- MW-201, MW-201A, MW-201B

Monitoring wells MW-6R and W-38 were also recommended for supplemental VOC sampling and have not yet been sampled for VOCs due to a variety of field issues. ESC plans to sample MW-6R for VOCs in 2023. ESC will also evaluate the obstruction at W-38 and sample for VOCs if possible.

The two primary CVOCs detected in the shallow plume are cis-1,2-dichloroethene (DCE) and vinyl chloride. These CVOCs are typically formed as breakdown products in the natural degradation of trichloroethene (TCE) and tetrachloroethene (also known as perchloroethylene or PCE), which were common solvents that were likely disposed of historically at LGRL. The concentrations of DCE and vinyl chloride detected in October 2022, and the approximate extent of the CVOC contamination plume in the shallow groundwater, are shown on **Figure 11**. Results are shown for LGRL monitoring wells in the shallow aquifer, including routine monitoring wells and the two deep unconsolidated aquifer investigation wells, and selected GRL monitoring wells that help define the limits of the LGRL CVOC impacts. In addition to DCE and vinyl chloride, TCE and PCE are shown for wells where they were detected.

The concentration trends for DCE and vinyl chloride in shallow water table monitoring wells are shown on **Figures G1** through **G3**. The graphs on **Figure G1** show concentration trends along the flow direction of the plume at the level of the "A" wells, which have the highest concentrations at each nest. The graphs on **Figures G2** and **G3** show concentration trends at well nests in the source area and downgradient.

The findings from the 2022 monitoring well sampling include the following:

- The area of CVOC concentrations exceeding enforcement standards (ESs) in shallow groundwater is limited to the immediate vicinity of LGRL and an area extending to the north through well nests MW-1RR/AR/B, W-3R/AR, MW-210/A/B, and MW-214/A (**Figure 11**).

- Among mid-depth wells along the plume extending to the north of LGRL (MW-1AR, MW-210A, and MW-214A), DCE and vinyl chloride concentrations decrease with distance from LGRL (**Figure G1**).

- At the two well nests closest to the source area (MW-1RR/AR/B and W-3R/AR), CVOCs are generally highest in the mid-depth ("A") wells and have generally decreased with time (**Figure G2**).

  - Prior to 2008, concentrations of DCE and vinyl chloride were similar at MW-1RR and MW-1AR. Concentrations at MW-1RR then decreased and have been lower than concentrations at MW-1AR since 2008. Changes at this well nest beginning in 2008 are likely due at least in part due to the construction and operation of the groundwater control trench between LGRL and the GRL South Expansion. DCE concentrations at MW-1AR have continued to decrease over time.

  - At deep piezometer MW-1B, vinyl chloride concentrations have increased gradually, but are still very low in comparison to vinyl chloride results for MW-1AR.

  - Concentrations of both DCE and vinyl chloride have decreased over time at W-3AR.

  - Vinyl chloride concentrations detected at W-3AR in 2022 were consistent with the historical decreasing trend. Concentrations at W-3R in 2022 are lower than the slightly elevated concentrations observed in 2019 through 2021 in this well and are more similar to pre-2019 results.

- At the two well nests further downgradient from LGRL (MW-210/A/B and MW-214/A), CVOCs are generally highest in the mid-depth ("A") wells and the results show the changes in the CVOC plume with time (**Figure G3**). At MW-210A, concentrations of DCE and vinyl chloride have decreased significantly since the 1990s and have been relatively stable since about 2004. At MW-214A, concentrations of vinyl chloride began increasing in about 2007, and in the last 5 years appear to have leveled off at a concentration similar to those observed recently at MW-210A.

- CVOCs were also detected at GRL monitoring wells adjacent to the former LGRL footprint, including at least one result above the ES at wells P-403A, P-406A, and MW-428. CVOC concentrations at the wells on the east side of LGRL (403 and 406 well nests) are much lower than those on the north side of LGRL. At monitoring well MW-428, which was installed in 2018 on the south side of LGRL and is monitored as part of the GRL monitoring program, DCE and PCE concentrations exceeded the applicable preventive action limits (PALs), and TCE exceeded the ES. The CVOCs detected at this well are similar to those previously detected at former well MW-407, which was in the same general area and was abandoned due to cell construction.

Bedrock Monitoring Wells

During 2022, ESC collected groundwater samples from the existing bedrock monitoring wells semiannually in April and October.

The two primary CVOCs detected above NR 140 ESs in the off-site wells are DCE and vinyl chloride. Bedrock monitoring well analytical data are summarized in **Table 2**. The concentrations of DCE and vinyl chloride detected in October 2022, and the approximate extent of the CVOC contamination plume in bedrock, are shown on **Figure 12**. Concentration trends of DCE and vinyl chloride in bedrock monitoring wells are shown on **Figures G4** and **G5.**

The findings from the 2022 monitoring well sampling include the following:

- The highest CVOC concentrations detected in the bedrock aquifer in 2022 were detected in samples from monitoring well P-402E, located near the northeast corner of the former LGRL site.
  - Concentrations of DCE and vinyl chloride in samples from P-402E have consistently exceeded the NR 140 ES.
  - Concentrations of TCE exceeded the ES at P-402E prior to October 2015. Since October 2015, concentrations of TCE at this well have been below the ES. TCE was not detected in the 2022 samples.
  - The CVOC concentrations detected in P-402E increased initially when the well was first sampled in 2010, but have since followed a generally decreasing or stable trend. It is possible that the initial increase following well installation represents equilibration of the well with the aquifer, with the initial sample results lower than true groundwater quality due to short-term effects of drilling with air to install the well.
- Monitoring well P-424D, located on the All-Line property, contains concentrations of DCE and vinyl chloride greater than the corresponding ESs. The CVOC concentration trends at P-424D have been generally stable. The 2022 vinyl chloride and DCE results were within the ranges previously observed at this well and suggest a possible downward trend.
- Monitoring well P-423D, located on the Andrew Oechsner farm property, has detectable concentrations of several CVOCs. Vinyl chloride concentrations exceeded the ES in the April and October 2022 samples collected from this well. Vinyl chloride concentrations at this well have declined slightly from their peak values in April 2018.
- At sandstone monitoring well P-426SS, the only VOC detected was cis-1,2-dichloroethene (cis-1,2-DCE), which was present at concentrations less than the NR 140 PAL. Based on historical trends, it appears that the April 2022 VOC samples for P-426D and P-426SS may have been switched. The typical detected cis-1,2-DCE concentrations in samples from P-426SS fall between those detected in water supply wells PW-32 (around 0.4 micrograms per liter [µg/L]) and PW-28 (around 3.8 µg/L), and are consistent with groundwater flow toward the northeast in the sandstone aquifer.
- The April 2022 sample from monitoring well P-426D showed a concentration of cis-1,2-DCE similar to what has been detected in P-426SS in every sample except the April 2022 event. Cis-1,2-DCE has not been detected in samples from P-426D except the April 2022 sample. It appears that the April 2022 VOC samples for P-426D and P-426SS may have been switched.
- At dolomite monitoring well P-430D, located west of LGRL, cis-1,2-DCE and trans-1,2-dichloroethene (trans-1,2-DCE) were detected In both monitoring events. Vinyl chloride was detected at an estimated concentration below the lab limit of quantitation, in the April 2022 sample. The only previous detection of vinyl chloride at this location was in

PW-J in October 2018. The trans-1,2-DCE concentrations are less than the PAL. The detected cis-1,2-DCE concentrations of 12.6 and 14.2 µg/L exceed the PAL and are about 70 percent higher than those detected in PW-J in 2019 and 2020. The relative increase in DCE concentrations in P-430D compared to the former water supply well at this location (PW-J) suggests that the well screen in P-430D is located at the correct depth and likely intersects the transmissive zone in the dolomite where migration of the DCE is occurring.

- CVOCs were not detected at the following wells in 2022, consistent with historical results:
  - Monitoring well P-424SS, open to the sandstone bedrock below the dolomite on the All-Line property.
  - Monitoring well P-429SS, screened at the top of the sandstone unit northeast of P-423D and PW-21RR.

WATER SUPPLY WELL SAMPLING AND ANALYSIS

LGRL Water Supply Well Monitoring Program Wells

Selected water supply wells have been sampled on a regular basis in accordance with the work plan. Water supply well sampling results are summarized in **Table 4**, and concentration trends for DCE and vinyl chloride are shown on **Figures G6** and **G7**.

The findings of the water supply well sampling include the following:

- The replacement water supply well for the Oechsner farm (PW-21RR) has been sampled monthly since October 2010.
  - The DCE concentrations for PW-21RR (**Figure G6**) initially increased from October 2010 through mid-2012, dropped slightly into the end of 2012, and then followed a gradual increasing trend before appearing to stabilize in the last 6 years.
  - Vinyl chloride concentrations in samples from PW-21RR have decreased slightly since mid-2012 (**Figure G7**). Other than a short-term increase in mid-2021, vinyl chloride concentrations in this well have been generally stable or decreasing in the last 8 years.
  - PW-21RR has a groundwater treatment system, and post-treatment samples demonstrate that the system is effectively removing vinyl chloride and DCE, with treated water concentrations well below the drinking water maximum contaminant levels (MCLs) (**Table 4**).
- The DCE concentrations in samples from PW-28 have shown a very gradually increasing trend since 2011. The detected DCE concentrations remain below the NR 140 PAL of 7 µg/L and well below the MCL of 70 µg/L. No other CVOCs have been detected in this well. This well is open to both the dolomite and sandstone units.

- Samples from PW-19 also contain DCE at concentrations below the PAL and well below the ES and MCL. The DCE results show a slight decline since the peak in 2019.

- Trace concentrations of DCE have also been detected in some of the samples collected from PW-32 (J. Oechsner well). In 2022 the DCE concentrations detected at this well were either below the laboratory limit of quantitation or below the detection limit.

- None of the other six water supply wells that were sampled in 2022 as part of the LGRL bedrock investigation (private wells PW-20, PW-23, PW-38, PW-42, PW-43, and PW-44) contained detectable concentrations of CVOCs.

STATUS OF RECOMMENDATIONS FROM 2021 ANNUAL REPORT

Monitoring recommendations from the 2021 Annual Report included continuation of the routine bedrock monitoring program during 2022, including the following wells:

- Monthly water supply well: PW-21RR
- Semiannual water supply wells: PW-19, PW-20, PW-23, PW-28, PW-32, PW-38
- Annual water supply wells: PW-42, PW-43, PW-44
- Semiannual monitoring wells: P-401D, P-402E, P-423D, P-424D, P-424SS, P-426D, P-426SS, P-429SS, P-430D
- Annual deep unconsolidated aquifer monitoring wells: MW-1B, P-422B

Additional recommendations remaining to be addressed include:

- *Complete voluntary supplemental sampling for VOCs in October 2020 for LGRL wells MW-6R, MW-7R, MW-201, MW-201A, and MW-201B, and GRL well W-38.*
  - In progress: This voluntary sampling was completed in April 2021 as discussed above; however, samples were not obtained from monitoring wells MW-6R and W-38. ESC will sample MW-6R in 2023 and will evaluate the obstruction in W-38 and collect a sample if possible.

- *Improve access to the MW-210 well nest.*
  - In progress: Access to the MW-210 well nest has improved recently due to lower water levels in the surrounding wetland; however, a more permanent solution is still desired. GRL has been in discussions with WDNR to determine the best approach to permit and construct improved access. This well nest was sampled April and October 2022.

CONCLUSIONS AND RECOMMENDATIONS

Conclusions

Conclusions related to the 2022 shallow aquifer monitoring activities include the following:

- The primary CVOC plume in the shallow aquifer extends north-northeast from the north end of LGRL. CVOCs have also been detected at lower concentrations in monitoring wells adjacent to the east and south limits of the former LGRL.

- CVOC concentrations within the shallow plume continue to indicate that the overall mass of CVOCs in the groundwater has decreased with time, particularly in the source area.

- Vinyl chloride concentrations at the furthest downgradient mid-depth piezometer (MW-214A) increased beginning in 2008, but now appear to have leveled off. This well nest is located approximately 1,500 feet from the downgradient property line.

Conclusions related to the 2022 bedrock groundwater investigation activities include the following:

- Groundwater flow direction in the bedrock aquifer in 2022 was to the northeast, consistent with the northeastern flow direction observed during all previous monitoring events with the exception of October 2018.

- The lack of CVOCs in groundwater samples from monitoring well P-429SS suggests that CVOC contamination in the sandstone aquifer does not extend to the northeast beyond the Andrew Oechsner property.

- Hydrogeologic and laboratory analytical data from the P-424D/P-424SS monitoring well nest on the All-Line property continue to indicate that horizontal movement of the CVOCs away from LGRL in groundwater is primarily occurring in the upper, fractured zone of the dolomite.

- Given the apparently low hydraulic conductivity of the lower portion of the dolomite and the low vertical hydraulic gradient across the lower dolomite observed at the P-424 well nest, there appears to be little potential for significant vertical flow within the dolomite under ambient conditions.

- CVOC concentrations in the monitoring wells along the center of the bedrock plume, including P-402E, P-424D, and P-423D, continue to show mostly stable or decreasing long-term concentration trends.

- The relatively consistent recent DCE concentrations in PW-28, and the consistent presence of low concentrations of DCE in PW-19, suggest that the dissolved CVOC plume may be stabilizing. Furthermore, vinyl chloride has not been detected in these wells, and the DCE concentrations remain well below the NR 140 PAL.

- Given the apparent upgradient position of P-430D relative to the LGRL area, it is unlikely that the contamination in this well migrated west within the dolomite aquifer from the landfill area to P-430D. Although the source of DCE in this well is not clear, additional source investigation is not warranted because concentrations remain below the NR 140 ES and the extent is limited based on the lack of DCE detections in the other water supply wells on the west side of Highway V that are sampled under the Glacier Ridge Landfill monitoring program.

Groundwater Monitoring Recommendations

We recommend continued groundwater monitoring to evaluate the groundwater conditions at the site. For the bedrock aquifer, we recommend continuing the routine bedrock monitoring program during 2023, including the following wells:

- Monthly water supply well: PW-21RR
- Semiannual water supply wells: PW-19, PW-20, PW-23, PW-28, PW-32, PW-38
- Annual water supply wells: PW-42, PW-43, PW-44
- Semiannual monitoring wells: P-401D, P-402E, P-423D, P-424D, P-424SS, P-426D, P-426SS, P-429SS, P-430D
- Annual deep unconsolidated aquifer monitoring wells: MW-1B, P-422B

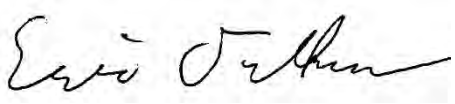
Wells will continue to be sampled for VOCs, alkalinity, hardness, chloride, and field parameters.

Private well monitoring results will continue to be provided to the WDNR within 10 days of receipt of the results, and an annual update report for 2023 will be submitted by May 31, 2024.

Please do not hesitate to contact us at (608) 224-2830 if you have any questions or would like to discuss the investigation findings and recommendations.

Sincerely,

Sherren Clark, PE, PG
Project Director
SCS Engineers



Eric Oelkers, PG
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RM/lmh/EO/SCC

cc: Ann Bekta, WDNR
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Paul Rosenfeldt, Edgarton, St. Peter, Petak & Rosenfeldt (for Mayville Engineering Corp.)

Encl. Table 1 – Water Level Summary – Bedrock Wells
Table 2 – LGRL VOC Investigation Bedrock Well Sample Results – Through October 2022
Table 3 – LGRL VOC Investigation Deep Unconsolidated Well Sample Results - Through October 2022
Table 4 – LGRL VOC Investigation Water Supply Well Sample Results – Through December 2022

Figure 1 – Monitoring Well and Private Well Locations
Figure 2 – Cross Section Location Map
Figure 3 – Cross Section A-A'
Figure 4 – Cross Section B-B'
Figure 5 – Cross Section C-C'
Figure 6 – Shallow Groundwater Elevations and Water Table – October 2022
Figure 7 – Dolomite Bedrock Groundwater Elevations and Potentiometric Surface Contours – April 2022
Figure 8 – Dolomite Bedrock Groundwater Elevations and Potentiometric Surface Contours – October 2022
Figure 9 – Sandstone Bedrock Groundwater Elevations and Potentiometric Surface Contours – April 2022
Figure 10 – Sandstone Bedrock Groundwater Elevations and Potentiometric Surface Contours – October 2022
Figure 11 – VOCs in Shallow Groundwater – October 2020
Figure 12 – VOCs in Bedrock Groundwater – October 2020

Figure G1 – Time Series Graphs for Mid-Depth Wells Along the Shallow Plume (MW-1AR, MW-210A, MW-214A)
Figure G2 – Time Series Graphs for Source Area Well Nests (MW-1 and W-3)
Figure G3 – Time Series Graphs for Downgradient Well Nests (MW-210 and MW-214)
Figure G4 – Time Series Graph for cis-1,2-DCE in Bedrock Monitoring Wells
Figure G5 – Time Series Graph for Vinyl Chloride in Bedrock Monitoring Wells
Figure G6 – Time Series Graph for cis-1,2-Dichloroethylene in Water Supply Wells Downgradient from LGRL
Figure G7 – Time Series Graph for Vinyl Chloride at PW-21RR Samples (Before Treatment System)

Attachment A – LGRL Solid Waste Program Monitoring Results: 2019-2022
Attachment B – Selected GRL Solid Waste Program Monitoring Results: 2019-2022
Attachment C – Investigation Laboratory Reports (April and October 2022)

Tables

Table 1. Water Level Summary - Bedrock Wells
Land and Gas Reclamation Landfill / File No. 25223008.02

Raw Data	Depth to Water in feet below top of well casing											
	P401D	P402E	P423D	Office Well	PW18	PW27	P424D	P424SS	P426D	P426SS	P429SS	P430D
Measurement Date												
March 12, 2010	76.87	73.58		53.82	108.25	91.44						
April 8, 2011	76.96	73.67	95.30									
October 6-7, 2011	81.26	78.00	100.50									
April 13, 2012	77.60	74.40	96.00									
October 3-5, 2012	81.70	78.43	99.72									
December 17, 2012	82.16	78.95	100.50			96.90	93.40	92.90				
February 20, 2013	82.11	78.88	99.55			96.20	92.75	92.10				
April 1, 2013	81.20	77.70	98.60				91.75	91.20				
September 30, 2013	83.33	80.09	101.30				94.80	94.22				
April 7, 2014	80.00	76.80	97.87				91.04	90.65				
October 6, 2014	80.35	77.15	98.75				91.91	91.55				
April 17, 2015	78.75	75.45	96.88				90.10	89.72				
May 20, 2015	78.93	75.72	97.27				90.42	90.06	104.15			
June 3, 2015	78.85	75.65	97.00				90.14	89.80	103.65			
October 9, 2015	83.10	79.90	100.80				93.80	93.50	107.50			
April 4, 2016	77.92	74.76	95.65				88.90	89.40	102.35			
October 7, 2016	80.35	77.5	98.60				91.6	91.3	105.3			
April 7, 2017	75.80	72.52	94.30				87.33	87.10	101.00			
October 6, 2017	79.56	76.35	98.12				91.10	90.85	103.82			
November 30, 2017											156.90	
December 28, 2017	77.65											
February 1, 2018											155.80	
April 5-6, 2018	78.60	75.50	96.90				89.90	89.62	103.65			
April 25, 2018											157.00	
October 4, 2018							90.38	90.20				
October 30, 2018	79.70	76.30	95.40						102.20			
January 9, 2019											158.20	
April 1, 2019	75.50	73.10	94.55				87.20	87.05	99.55		150.35	
October 28-29, 2019	76.70	73.60	94.95				88.20	88.05	101.75		152.50	
April 17, 24, and 27, 2020	73.25	70.84	91.61				84.70	84.50	98.50		149.15	
October 8-9, 2020	78.82	75.72	97.22				90.33	90.20	104.65		154.80	
April 9 and 29, 2021	76.88	73.75	94.25				87.30	87.20	101.00		153.80	
July 20, 2021	82.36	79.25	100.93				93.95	93.88	107.55	109.00	155.10	67.80
October 4, 2021	83.05	79.85	101.31				94.40	94.10	108.00	109.85	158.40	68.95
April 7-8 and 28, 2022	80.35	77.15	98.65				91.72	91.60	105.30	106.90	154.25	68.00
October 7 and 30, 2022	84.10	81.90	101.10				94.12	94.10	107.72	109.50	162.85	69.25

Table 1. Water Level Summary - Bedrock Wells
Land and Gas Reclamation Landfill / File No. 25223008.02

	Ground Water Elevation in feet above mean sea level (amsl)											
Well Number	**P401D**	**P402E**	**P423D**	**Office Well**	**PW18**	**PW27**	**P424D**	**P424SS**	**P426D**	**P426SS**	**P429SS**	**P430D**
Top of Casing Elevation (feet amsl)	932.30	929.08	948.99	958.14	947.56	946.15	942.60	941.88	955.65	954.65	999.24	956.84
Screen/Open Hole Length (ft)	15.00	20.00	18.00	46.00	60.00	43.00	20.00	20.00	20.00	20.00	15.00	10.00
Total Depth (ft from top of casing)	147.40	177.98	225.01	202.00	247.00	205.00	206.10	411.45	221.80	434.50	460.00	218.50
Top of Screen / Open Hole Elevation (ft)	799.90	771.10	205.01	802.14	760.56	784.15	756.50	550.43	753.85	540.15	554.24	748.34
Measurement Date												
March 12, 2010	855.43	855.50		904.32	839.31	854.71						
April 8, 2011	855.34	855.41	853.69									
October 6-7, 2011	851.04	851.08	848.49									
April 13, 2012	854.70	854.68	852.99									
October 3-5, 2012	850.60	850.65	849.27									
December 17, 2012	850.14	850.13	848.49			849.25	849.20	848.98				
February 20, 2013	850.19	850.20	849.44			849.95	849.85	849.78				
April 1, 2013	851.10	851.38	850.39				850.85	850.68				
September 30, 2013	848.97	848.99	847.69				847.80	847.66				
April 7, 2014	852.30	852.28	851.12				851.56	851.23				
October 6, 2014	851.95	851.93	850.24				850.69	850.33				
April 17, 2015	853.55	853.63	852.11				852.50	852.16				
May 20, 2015	853.37	853.36	851.72				852.18	851.82	851.50			
June 3, 2015	853.45	853.43	851.99				852.46	852.08	852.00			
October 9, 2015	849.20	849.18	848.19				848.80	848.38	848.15			
April 4, 2016	854.38	854.32	853.34				853.70	852.48	853.30			
October 7, 2016	851.95	851.58	850.39				851.00	850.58	850.35			
April 7, 2017	856.50	856.56	854.69				855.27	854.78	854.65			
October 6, 2017	852.74	852.73	850.87				851.50	851.03	851.83			
November 30, 2017											842.34	
December 28, 2017	854.65											
February 1, 2018											843.44	
April 5-6, 2018	853.70	853.58	852.09				852.70	852.26	852.00			
April 25, 2018											842.24	
October 4, 2018							852.22	851.68			Well	
October 30, 2018	852.60	852.78	853.59						853.45		Inaccessible	
January 9, 2019											841.04	
April 1, 2019	856.80	855.98	854.44				855.40	854.83	856.10		848.89	
October 28-29, 2019	855.60	855.48	854.04				854.40	853.83	853.90		846.74	
April 17, 24, and 27, 2020	859.05	858.24	857.38				857.90	857.38	857.15		850.09	
October 8-9, 2020	853.48	853.36	851.77				852.27	851.68	851.00		844.44	
April 9 and 29, 2021	855.42	855.33	854.74				855.30	854.68	854.65		845.44	
July 20, 2021	849.94	849.83	848.06				848.65	848.00	848.10	845.65	844.14	889.04
October 4, 2021	849.25	849.23	847.68				848.20	847.78	847.65	844.80	840.84	887.89
April 7-8 and 28, 2022	851.95	851.93	850.34				850.88	850.28	850.35	847.75	844.99	888.84
October 7 and 30, 2022	848.20	847.18	847.89				848.48	847.78	847.93	845.15	836.39	887.59
Bottom of Well Elevation (ft)	784.90	751.10	723.98	756.14	700.56	741.15	736.50	530.43	733.85	520.15	539.24	738.34

Created by: EO Date: 3/16/2010
Last revision by: RM Date: 4/21/2023
Checked by: BAS Date: 4/21/2023
Proj Mgr QA/QC: EO Date: 5/23/2023

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2022
Land and Gas Reclamation Landfill / File No. 25223008.02
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
P-401D	10/7/2009	Siemens	**6.37**	**452**	**194**	<0.70	<0.40	<0.40	<0.40	<0.4	<0.50	<0.30	<0.4	<0.2	ND
	4/6/2010	Siemens	**12.3**	**400**	**278**	<0.70	<0.40	<0.40	<0.40	<0.4	<0.50	<0.10	<0.4	<0.2	o-Xylene **0.22** J
	10/27/2010	Siemens	**10.4**	**345**	**277**	<0.70	<0.40	<0.40	<0.40	<0.4	<0.50	<0.30	<0.4	<0.2	ND
	11/29/2010	Siemens	**11.6**	**340**	--	<0.70	<0.40	<0.30	<0.40	<0.4	<0.50	<0.30	<0.4	<0.2	ND
	4/8/2011	Siemens	**9.4**	**356**	**281**	<0.70	<0.40	<0.40	<0.40	<0.4	<0.50	<0.30	<0.4	<0.2	cis-1,3-Dichloropropylene **0.25** J
	10/6/2011	Siemens	**9.36**	**332**	**273**	<0.70	<0.40	<0.40	<0.40	<0.4	<0.50	<0.30	<0.4	<0.2	Carbon Disulfide **28.8**
	4/13/2012	Siemens	**9.44**	**365**	**226**	<0.70	<0.40	<0.40	<0.40	<0.4	<0.50	<0.30	<0.4	<0.2	ND
	10/4/2012	Pace	**9.4**	**359**	**219**	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	<0.18	ND
	10/4/2013	Pace	**12.6**	**360**	**251**	<0.44	<0.39	<0.28	<0.43	<0.42	<0.37	<0.47	<0.36	<0.18	ND
	4/7/2014	Pace	**10.9**	**362**	**255**	<0.37	<0.50	<0.16	<0.41	<0.26	<0.24	<0.50	<0.33	<0.18	ND
	10/17/2014	Pace	**12.4**	**340**	**280**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/17/2015	Pace	**12.0**	**348**	**251**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/9/2015	Pace	**12.6**	**350**	**289**	<0.37	<0.50	<0.24	<0.41	**11.0**	**0.43** J	<0.50	**0.41** J	<0.18	Acetone **21.2**
	4/7/2016	Pace	**12.5**	**344**	**273**	<0.37	<0.50	<0.24	<0.41	**1.7**	<0.26	<0.50	<0.33	<0.18	Acetone **3.0** J
	12/28/2017	Pace	**16.4**	**340**	**323**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/6/2018	Pace	**17.2**	**348**	**357**	<0.37 L1	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	Acetone **3.0** J1
	10/30/2018	Pace	**16.8**	**332**	**322**	<1.3	<2.2	<0.27	<0.24	**0.33** J1	<1.1	<0.33	<0.26	<0.17	Acetone **10.6** J1
	10/30/2018 (DUP)	Pace	**16.9**	**336**	**309**	<1.3	<2.2	<0.27	<0.24	**0.61** J1	<1.1	<0.33	<0.26	<0.17	Acetone **7.3** J1
	4/4/2019	Pace	**16.8**	**333**	**304**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	10/28/2019	Pace	**15.7**	**321**	**320**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone **9.2** J1
	4/24/2020	Pace	**17.1**	**341**	**273**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	
	10/8/2020	Pace	**17.8**	**342**	**339**	<1.3	<2.2	<0.27	<0.24	**1.8**	<0.46	<0.33	<0.26	<0.17	Acetone **6.9** J1
	4/29/2021	Pace	**16.5**	**351**	**285**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/8/2021	Pace	**18.1**	**349**	**323**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	4/7/2022	Pace	**18.6**	**376**	**295**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/8/2022	Pace	**19.2**	**344**	**306**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2022
Land and Gas Reclamation Landfill / File No. 25223008.02
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs	
P-402D (Abandoned)	10/7/2009	Siemens	**60.9**	**381**	**1,050**	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	Toluene	**0.43** J
P-402E	1/22/2010	Siemens	**47.3**	**439**	**516**	**2.6** CSH	**0.53** J	**2.9**	**0.5** J	**120**	**4.18**	<0.30	**2.71**	**23.6**		
	2/24/2010	Siemens	**72.4**	484	--	<3.50	<2.00	<2.00	<2.00	**176**	**7.38**	<1.50	**2.66**	**26.6**	ND	
	2/24/2010	TA	--	--	--	**3.9**	<0.30	**1.9**	**0.61**	**200**	**8**	<0.50	**1.9**	**35**		
	4/7/2010	Siemens	**68.5**	**414**	**486**	**7.25** J	<4.0	<4.0	<4.0	**395**	**12.4** J	<3.0	**4.84** J	**48.8**	ND	
	10/27/2010	Siemens	**78.4**	**403**	**505**	<7.0	<4.0	<4.0	<4.0	**459**	**14.8** J	<3.0	**11.1** J	**39.4**	Methylene Chloride	**8.47** J
	11/29/2010	Siemens	**83.6**	**410**	--	<7.0	<4.0	<4.0	<4.0	**346**	**10.9** J	<3.0	**9.16** J	**40.6**	ND	
	4/8/2011	Siemens	**87.7**	**404**	**483**	**7.64**	<0.40	**1.41**	**1.65**	**499**	**18.8**	<0.30	**15.7**	**53.5**	Tetrahydrofuran	**4.95** J
	10/7/2011	Siemens	**73**	**392**	**502**	**5.87**	<0.40	**1.47**	**1.23** J	**344**	**11.8**	<0.30	**13.6**	**41.9**	Carbon Disulfide	**3.30** J
															Tetrahydrofuran	**2.77 J**
	4/13/2012	Siemens	**75.9**	**412**	**496**	<7	<4	<4	<4	**412**	**11.6** J	<3	**11.5 J**	**41.4**	ND	
	10/4/2012	Pace	**68.8**	**344**	**466**	**5.0**	<0.24	**1.3**	**1.2**	**360**	**13.0**	<0.45	**12.5**	**39.3**	Tetrahydrofuran	**2.7** J
	4/5/2013	Pace	**60.2**	**397**	**566**	**5.8**	<0.96	<3.0	<2.3	**330**	**11.2**	<1.8	**10.2**	**35.5**	ND	
	10/4/2013	Pace	**61.6**	**397**	**456**	**4.5**	<0.78	**1.3** J	<0.85	**301**	**20.5**	<0.94	**8.3**	**25.3**	ND	
	4/7/2014	Pace	**61.5**	**399**	**470**	**8.0**	<2.0	**1.2** J	<1.6	**326**	**12.0**	<2.0	**8.3**	**42.6**	ND	
	10/15/2014	Pace	**61.7**	**373**	**453**	**5.0**	<2.5	<1.2	<2.1	**283**	**17.9**	<2.5	**6.5**	**28.3**	ND	
	4/17/2015	Pace	**62.8**	**383**	**450**	**4.8**	<1.2	**0.82** J	<1.0	**298**	**8.5**	<5.1	**5.5**	**27.6**	ND	
	10/9/2015	Pace	**64.5**	**389**	**465**	**5.2**	<1.2	<0.60	<1.0	**287**	**8.4**	<1.2	**4.8**	**25.2**	Acetone	**19.6** J
	4/7/2016	Pace	**63.5**	**364**	**450**	**7.9**	<1.2	**1.1** J	<1.0	**315**	**20.3**	<1.2	**4.4**	**28.8**	ND	
	10/7/2016	Pace	**56.8**	**376**	**475**	**7.4**	<2.0	<0.97	<1.6	**309**	**9.4**	<2.0	**3.8** J	**26.9**	ND	
	4/7/2017	Pace	**65.3**	**392**	**442**	**7.1**	<1.2	**1.1** J	<1.0	**324**	**14.3**	<1.2	**3.3**	**29.7**	ND	
	10/6/2017	Pace	**58.4**	**379**	**452**	**5.2**	<1.2	0.78 J	1.5 J	**290**	**11.5**	<1.2	**3.5**	**27.2**	ND	
	4/6/2018	Pace	**54.9**	**388** M0	**478**	<0.94 L1	<1.2	**1.2** J1	<1.0	**337**	<0.64	<1.2	**2.4** J1	**25.7**	ND	
	4/6/2018 (DUP)	Pace	**55.3**	**366**	**482**	**3.1** L1	<0.50	**1.2**	**1.1**	**324**	**4.5**	<0.50	**2.5**	**27.2**	Acetone	**7.2** J1
															Tetrahydrofuran	3.2 J1
	10/30/2018	Pace	**53.5**	**377**	**436**	**4.7** J1	<5.5	**0.81** J1	<0.61	**268**	**8.9** J1	<0.82	**2.1** J1	**27.9**	ND	

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Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
P-402E	4/4/2019	Pace	**53.3**	**362**	**445**	**4.6** J1	<5.5	**0.94** J1	<0.61	**231**	**7.2** J1	**1.5** J1	**1.7** J1	**25.5**	ND
(cont.)	10/28/2019	Pace	**50.3**	**368**	**466**	**4.4** J1	<5.5	**0.73** J1	**0.74** J1	**237**	**6.7** J1	<0.82	**1.3** J1	**29**	Acetone 11 J1
	4/23/2020	Pace	**48.7**	**365**	**436**	**4.7** J1	<5.5	**1.2** J1	**1.0** J1	**214**	**8.1**	<0.82	**0.79** J1	**34**	ND
	10/8/2020	Pace	**50.1**	**378**	**484**	**4.0** J1	<5.5	<0.68	<0.61	**225**	**5.7**	<0.82	**0.86** J1	**29.1**	ND
	4/29/2021	Pace	**44.7**	**375**	**416**	**4.0** J1	<4.1	**0.85** J1	<1.5	**235**	**6.6**	<1.0	<0.80	**33.1**	ND
	10/8/2021	Pace	**41.1**	**374**	**462**	<3.4	<4.1	**0.82** J1	<1.5	**235**	**6.2**	<1.0	**0.85** J1	**24.6**	ND
	4/7/2022	Pace	**43.1**	**410**	**426**	**4.0** J1	<4.1	<0.74	<1.5	**152**	**4.2**	<1.0	<0.80	**28.5**	ND
	10/7/2022	Pace	**44.2**	**380**	**453**	<3.4	<4.1	<0.74	<1.5	**186**	**5.1**	<1.0	<0.80	**30.3**	ND
P-423D	12/16/2010	Siemens	**34.6**	**394**	--	**2.13** J	<0.40	**0.60** J	<0.40	**62.1**	**2.6**	<0.30	**0.9** J	**2.53**	ND
	4/8/2011	Siemens	**29.7**	**360**	**427**	**1.38** J	<0.40	**0.59** J	<0.40	**52**	**2.04**	<0.30	**0.73** J	**1.2**	ND
	10/7/2011	Siemens	**32.1**	**373**	**441**	**1.57** J	<0.40	**0.44** J	<0.40	**44.9**	**1.64** J	<0.30	**0.74** J	**2.19**	Carbon Disulfide **1.99** J
	4/13/2012	Siemens	**28.2**	**348**	**432**	**1.36** J	<0.40	**0.59** J	<0.40	**61.9**	**2.75**	<0.30	**0.92** J	**0.91** J	ND
	10/5/2012	Pace	**8.8**	**364**	**227**	**1.1**	<0.24	<0.75	<0.57	**51.8**	**2.5**	<0.45	**0.68** J	**1.5**	ND
	4/5/2013	Pace	**25.6**	**364**	**487**	**1.5**	<0.24	<0.75	<0.57	**59.4**	**2.6**	<0.45	**0.72** J	**2.1**	ND
	10/3/2013	Pace	**30.6**	**356**	**413**	**1.1**	<0.39	<0.28	<0.43	**59.3**	**2.4**	<0.47	**0.74** J	**1.1**	ND
	4/7/2014	Pace	**29.9**	**366**	**420**	**1.5**	<0.50	**0.41** J	<0.41	**53.6**	**2.6**	<0.50	**0.75** J	**1.0** J	ND
	10/16/2014	Pace	**32.4**	**347**	**410**	**0.95** J	<0.50	**0.37** J	<0.41	**51.2**	**2.5**	<0.50	**0.66** J	**0.91** J	ND
	4/17/2015	Pace	**33.8**	**357**	**408**	**0.97** J	<0.50	**0.35** J	<0.41	**47.7**	**2.2**	<0.50	**0.66** J	**1.1**	ND
	10/9/2015	Pace	**40.3**	**370**	**430**	**1.3**	<0.50	**0.32** J	<0.41	**45.5**	**2.0**	<0.50	**0.60** J	**1.1**	ND
	4/8/2016	Pace	**37.5**	**355**	**432**	**0.62** J	<0.50	<0.24	<0.41	**29.7**	**1.2**	<0.50	**0.47** J	<0.18	ND
	10/7/2016	Pace	**43.4**	**372**	**447**	**1.9**	<0.50	**0.38** J	<0.41	**43.9**	**2.0**	<0.50	**0.57** J	**1.1**	ND
	4/7/2017	Pace	**43.0**	**364**	**430**	**1.7**	<0.50	**0.44** J	<0.41	**47.9**	**2.6**	<0.50	**0.73** J	**1.1**	ND
	10/6/2017	Pace	**34.8**	**354**	**432**	**2.1**	<0.50	0.38 J	<0.41	**58.6**	**3.1**	<0.50	**0.59** J	**2.5**	ND
	4/6/2018	Pace	**41.0**	**365**	**472**	<0.37 L1	<0.50	**0.65** J1	<0.41	**92.4**	<0.26	<0.50	**0.74** J1	**3.3**	ND
	10/30/2018	Pace	**39.2**	**371**	**437**	**2.8** J1	<2.2	**0.56** J1	<0.24	**82.5**	**3.6** J1	<0.33	**0.70** J1	**2.9**	Acetone **3.6** J1
	4/4/2019	Pace	**36.3**	**358**	**428**	**2.8** J1	<2.2	**0.66** J1	<0.24	**80.4**	**4.1**	<0.33	**0.59** J1	**2.5**	Acetone **7.7** J1

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2022
Land and Gas Reclamation Landfill / File No. 25223008.02
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
P-423D (cont.)	10/29/2019	Pace	**28.6**	**336**	**434**	**1.8** J1	<2.2	**0.53** J1	<0.24	**71.8**	**3.3** J1	<0.33	**0.71** J1	**2.1**	2-Butanone (MEK) **11.1** J1 Acetone **5.4** J1
	4/27/2020	Pace	**44.3**	**344**	**453**	**2.2** J1	<2.2	**0.60** J1	<0.24	**73.1**	**3.4**	<0.33	**0.66** J1	**2.5**	ND
	10/8/2020	Pace	**41.2**	**358**	**488**	**1.4** J1	<2.2	**0.50** J1	<0.24	**76.4**	**3.4**	<0.33	**0.86** J1	**1.2**	Acetone **4.5** J1
	4/29/2021	Pace	**47.3**	**355**	**463**	<1.4	<1.6	**0.39** J1	<0.58	**57.3**	**2.7**	<0.41	**0.89** J1	**1.7**	ND
	10/28/2021	Pace	**45.8**	**365**	**486**	**1.5** J1	<1.6	**0.39** J1	<0.58	**55.7**	**2.6**	<0.41	**0.90** J1	**1.7**	ND
	4/7/2022	Pace	**53.1**	**371**	**468**	**1.4** J1	<1.6	<0.30	<0.58	**41.1**	**2.0**	<0.41	**0.80** J1	**1.1**	ND
	10/7/2022	Pace	**37.6**	**372**	**425**	**2.0** J1	<1.6	**0.46** J1	<0.58	**52.6**	**1.9**	<0.41	**0.77** J1	**2.6**	ND
P-424D	12/17/2012	Pace	**33.8**	**357**	**409**	**2.5**	<0.48	<1.5	<1.1	**91.2**	**3.5**	<0.90	**1.7** J	**7.0**	ND
	2/20/2013	Pace	**32.6**	**382**	**432**	**2.6**	<0.24	**0.92** J	<0.57	**105**	**3.2**	<0.45	**2.5**	**5.8**	ND
	10/3/2013	Pace	**38.5**	**379**	**444**	**2.6**	<0.39	**1.1**	<0.43	**124**	**3.5**	<0.47	**3.2**	**10.1**	ND
	4/7/2014	Pace	**34.8**	**369**	**427**	**3.1**	<0.50	**0.98** J	**0.42** J	**114**	**4**	<0.50	**3**	**7.6**	Acetone **3.1** J
	10/16/2014	Pace	**40.7**	**358**	**424**	**3.3**	<1.0	**0.92** J	<0.82	**122**	**4.9**	<1.0	**2.4**	**7.7**	ND
	4/17/2015	Pace	**37.7**	**363**	**409**	**1.8**	<0.50	**0.54** J	<0.41	**79.6**	**2.5**	<0.50	**2.3**	**2.6**	ND
	10/9/2015	Pace	**48.6**	**384**	**449**	**3.5**	<0.50	**0.88** J	<0.41	**120**	**3.8**	<0.50	**2.2**	**11.4**	ND
	4/8/2016	Pace	**40.7**	**369**	**432**	**2.9**	<0.50	**0.82** J	<0.41	**111**	**3.4**	<0.50	**2.3**	**5.3**	ND
	10/7/2016	Pace	**45.1**	**370**	**485**	**4.1**	<1.2	**0.94** J	<1.0	**125**	**4.3**	<1.2	**2.3** J	**9.9**	ND
	4/7/2017	Pace	**43.2**	**374**	**422**	**3.6**	<0.50	**0.84** J	<0.41	**119**	**4.0**	<0.50	**2.1**	**7.6**	ND
	10/6/2017	Pace	**43.2**	**369**	**452**	**3.1**	<0.50	**1**	**0.51** J	**151**	**4.7**	<0.50	**2**	**9.4**	ND
	4/6/2018	Pace	**41.1**	**371**	**466**	**0.41** J1,L1	<0.50	<0.24	**0.54** J1	**156**	<0.26	<0.50	**2.0**	**9.7**	Tetrahydrofuran **2.6** J1
	10/5/2018	Pace	**36.1**	**366**	**457**	**3.3** J1	<2.2	**0.66** J1	**0.41** J1	**104**	**3.4** J1	<0.33	**2.0**	**10.5**	ND
	4/4/2019	Pace	**38.1**	**356**	**436**	**2.9** J1	<2.2	**0.82** J1	**0.41** J1	**115**	**3.6** J1	<0.33	**1.9**	**8.4**	Acetone **3.5** J1
	10/28/2019	Pace	**36**	**357**	**452**	**2.4** J1	<2.2	**0.82** J1	**0.33** J1	**114**	**3.6** J1	<0.33	**1.9**	**8.3**	Acetone **5.8** J1
	4/24/2020	Pace	**40.2**	**361**	**429**	**1.8** J1	<2.2	**0.75** J1	**0.29** J1	**79.7**	**3.5**	<0.33	**1.8**	**3.5**	Acetone **5.5** J1
	10/8/2020	Pace	**35.2**	**367**	**474**	**2.2** J1	<2.2	**0.76** J1	<0.24	**105**	**3.3**	<0.33	**1.7**	**7.4**	Acetone **3.2** J1
	4/9/2021	Pace	**36.1**	**359**	**427**	**1.8** J1	<1.6	**0.52** J1	<0.58	**83.7**	**2.8**	<0.41	**1.5**	**4.7**	ND
	10/28/2021	Pace	**35.6**	**375**	**455**	**2.0** J1	<1.6	**0.76** J1	<0.58	**113**	**3.3**	<0.41	**1.6**	**8.2**	ND

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2022
Land and Gas Reclamation Landfill / File No. 25223008.02
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs	
P-424D	4/28/2022	Pace	**36.3**	**389**	**420**	**2.1** J1	<1.6	**0.57** J1	<0.58	**82.1**	**2.5**	<0.41	**1.5**	**5.5**	Acetone	**18.8** J1
(cont.)	10/31/2022	Pace	**37.3**	**382**	**426**	**1.7** J1	<1.6	**0.53** J1	<0.58	**87.1**	**2.6**	<0.41	**1.4**	**4.7**	ND	
P-424SS	12/17/2012	Pace	<2.0	**303**	**287**	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	<0.18	ND	
	2/20/2013	Pace	**2.1** J	**309**	**298**	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	<0.18	ND	
	10/3/2013	Pace	**2.8** J	**320**	**298**	<0.44	<0.39	<0.28	<0.43	<0.42	<0.37	<0.47	<0.36	<0.18	ND	
	4/7/2014	Pace	**2.5** J	**311**	**290**	<0.37	<0.50	<0.16	<0.41	<0.26	<0.24	<0.50	<0.33	<0.18	ND	
	10/16/2014	Pace	**2.8** J	**303**	**283**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND	
	4/17/2015	Pace	**2.8** J	**314**	**276**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	Acetone	**3.7** J
	10/9/2015	Pace	**2.4** J	**323**	**295**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND	
	4/8/2016	Pace	**2.7** J	**309**	**293**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND	
	10/7/2016	Pace	**1.0** JB	**307**	**294**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND	
	4/7/2017	Pace	**0.92** J	**314**	**288**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND	
	4/7/2017 DUP	Pace	**0.91** J	**317**	**284**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND	
	10/6/2017	Pace	**0.80** J	**310**	**306**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND	
	4/6/2018	Pace	**0.72** J1	**318**	**329**	<0.37 L1	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	Acetone	**3.0** J1
	10/5/2018	Pace	**0.96** J1	**307** M0	**326**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND	
	4/4/2019	Pace	**0.76** J1	**301**	**312**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone	**5.9** J1
	10/28/2019	Pace	**1.0** J1	**291**	**318**	<1.3	<2.2 R1	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone	**5.5** J1
	4/24/2020	Pace	**1.3** J1	**302**	**302**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.26	<0.26	<0.17	Acetone	**2.8** J1
	10/8/2020	Pace	**1.3** J1	**307**	**347**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	Acetone	**3.7** J1
	4/9/2021	Pace	**0.88** J1	**309**	**308**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
	10/28/2021	Pace	**1.1** J1	**335**	**333**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
	4/28/2022	Pace	**0.99** J1	**335**	**306**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
	10/31/2022	Pace	**0.85** J1	**325**	**301**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	

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Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
P-426D	6/3/2015	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	8/12/2015	Pace	**21.5**	**337**	**405**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/9/2015	Pace	**59.6**	**369**	**499**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	Acetone **18.6** J
	4/8/2016	Pace	**27.7**	**331**	**408**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/7/2016	Pace	**55**	**362**	**532**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/7/2017	Pace	**37.0**	**349**	**413**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/27/2017	Pace	**44.4**	**334**	**480**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/6/2018	Pace	**43.9**	**349**	**499**	<0.37 L1	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/30/2018	Pace	**59.2**	**356**	**492**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	4/5/2019	Pace	**36.2**	**319**	**437**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	10/29/2019	Pace	**60.6**	**350**	**536**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone **6.5** J1
	4/24/2020	Pace	**23.8**	**323**	**402**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	Acetone **3.4** J1
	10/8/2020	Pace	**48.0**	**352**	**528**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	Acetone **3.8** J1
	4/29/2021	Pace	**30.0**	**339**	**416**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/28/2021	Pace	**18.7**	**342**	**428**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	4/8/2022	Pace	**27.9**	**383**	**447**	<1.4	<1.6	<0.30	<0.58	**1.6**	<0.53	<0.41	<0.32	0.17	ND
	10/31/2022	Pace	**19.2**	**356**	**393**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
P-426SS	7/20/2021	Pace	**21.4**	**352**	**475**	<1.4	<1.6	<0.30	<0.58	**0.77** J1	<0.53	<0.41	<0.32	<0.17	ND
	10/29/2021	Pace	**24.8**	**359**	**481**	<1.4	<1.6	<0.30	<0.58	**1.7**	<0.53	<0.41	<0.32	<0.17	ND
	4/8/2022	Pace	**24.6**	**363**	**416**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/31/2022	Pace	**30.7**	**378**	**449**	<1.4	<1.6	<0.30	<0.58	**2.5**	<0.53	<0.41	<0.32	<0.17	ND

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Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
P-429SS	11/30/2017	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	2/1/2018	Pace	**1.3** J	**318**	**322**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/25/2018	Pace	**1.1** J1	**313**	**314**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	1/9/2019	Pace	**2.5**	**296**	**320**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone **4.3** J
	4/26/2019	Pace	**1.2** J	**317**	**328**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone **40.8**
	10/29/2019	Pace	**1.5** J1,B	**306** M0	**336**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	Acetone **11.9** J1
	4/27/2020	Pace	**1.4** J1	**310**	**319**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	Acetone **2.9** J1
	10/9/2020	Pace	**1.9** J1	**317**	**340**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	ND
	4/29/2021	Pace	**1.1** J1	**318**	**324**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/28/2021	Pace	**1.7** J1	**329**	**355**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	4/8/2022	Pace	**1.7** J1	**342**	**325**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/31/2022	Pace	**1.7** J1	**331**	**311**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
P-430D	7/20/2021	Pace	**21.2**	**357**	**409**	<1.4	<1.6	<0.30	<0.58	**11.8**	**0.81** J1	<0.41	<0.32	<0.17	ND
	10/28/2021	Pace	**21.2**	**360**	**388**	<1.4	<1.6	<0.30	<0.58	**13**	**0.81** J1	<0.41	<0.32	<0.17	ND
	4/7/2022	Pace	**24.5**	**391**	**388**	<1.4	<1.6	<0.30	<0.58	**12.6**	**0.87** J1	<0.41	<0.32	**0.23** J1	ND
	10/7/2022	Pace	**22.9**	**354**	**404**	<1.4	<1.6	<0.30	<0.58	**14.2**	**0.95** J1	<0.41	<0.32	<0.17	ND

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2022
Land and Gas Reclamation Landfill / File No. 25223008.02
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
Trip Blank	1/22/2010	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	2/24/2010	TA	--	--	--	<1.0	<0.30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.20	<0.20	ND
	2/24/2010	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	11/29/2010	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	12/16/2010	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	10/6/2011	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	10/7/2011	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	4/13/2012	Siemens	--	--	--	<0.70	<0.40	<0.40	<0.40	<0.40	<0.50	<0.30	<0.40	<0.20	ND
	10/4/2012	Pace	--	--	--	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	<0.18	ND
	10/5/2012	Pace	--	--	--	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	<0.18	Methylene Chloride **1.0** Acetone **6.8 J**
	12/17/2012	Pace	--	--	--	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	<0.18	ND
	10/3/2013	Pace	--	--	--	<0.44	<0.39	<0.28	<0.43	<0.42	<0.37	<0.47	<0.36	<0.18	ND
	4/7/2014	Pace	--	--	--	<0.37	<0.50	<0.16	<0.41	<0.26	<0.24	<0.50	<0.33	<0.18	Methylene Chloride **0.25** J
	10/15/2014	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/17/2015	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	Acetone **8.5** J
	6/3/2015	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	8/12/2015	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	Methylene Chloride **0.28** J
	10/9/2015	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/7/2016	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/8/2016	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/5/2017	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/6/2018	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/25/2018	Pace	--	--	--	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/5/2018	Pace	--	--	--	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	10/30/2018	Pace	--	--	--	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	4/4/2019	Pace	--	--	--	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2022
Land and Gas Reclamation Landfill / File No. 25223008.02
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs	
Trip Blank (cont.)	4/26/2019	Pace	--	--	--	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND	
	4/29/2021	Pace	--	--	--	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	Methylene Chloride	**0.37** J1
	10/28/2021	Pace	--	--	--	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
	4/28/2022	Pace	--	--	--	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
	10/31/2022	Pace	--	--	--	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
NR 140 Groundwater Enforcement Standard			250	NS	NS	400	30	850	7	70	100	5	5	0.2	1,4 Dichlorobenzene	75
															Acetone	9,000
															Carbon Disulfide	1,000
															Chloroform	6
															Methylene Chloride	5
															Tetrahydrofuran	50
															Toluene	800
															Xylenes	2,000
NR 140 Preventive Action Limit			125	NS	NS	80	3	85	0.7	7	20	0.5	0.5	0.02	1,4 Dichlorobenzene	15
															Acetone	1,800
															Carbon Disulfide	200
															Chloroform	0.6
															Methylene Chloride	0.5
															Tetrahydrofuran	10
															Toluene	160
															Xylenes	400

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2022
Land and Gas Reclamation Landfill / File No. 25223008.02

Abbreviations:

ND = Not detected
NS = No standard established
mg/L = Milligrams per Liter
µg/L = Micrograms per Liter
Siemens = Siemens Water Technologies
TA = TestAmerica, Watertown, WI
Pace = Pace Analytical Services, Inc., Green Bay, WI
-- = Not Analyzed

Bold indicates detected compound.
Bold and underline indicates result above drinking water standard.

Lab Notes/Qualifiers:

B = Analyte was detected in the associated method blank.
CSH = Check standard for this analyte exhibited a high bias. Sample results may also be biased high.
J = Estimated value below laboratory limit of quantitation.
J1 = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ).
L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
M0 = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1 = Relative Percent Difference value was outside control limits.

Created by:	MOB	Date:	9/5/2012
Last revision by:	RM	Date:	5/25/2023
Checked by:	EO	Date:	5/25/2023
Proj Mgr QA/QC:	EO	Date:	5/25/2023

Table 3. LGRL VOC Investigation Deep Unconsolidated Well Sample Results - Through October 2022
Land and Gas Reclamation Landfill / File No. 25223008.02
(Results are in µg/L, except where otherwise noted)

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs	
MW-1B	10/27/2010	Siemens	**53.1**	**231**	**251**	<0.7	<0.4	<0.4	<0.4	**4.02**	<0.5	<0.30	<0.4	**0.33 J**	o-xylene	**0.28** J
	4/7/2011	Siemens	**72.3**	**174**	**271**	<0.7	<0.4	<0.4	<0.4	<0.4	<0.5	<0.30	<0.4	<0.20	ND	
	10/7/2011	Siemens	**78.1**	**200**	**292**	<0.7	<0.4	<0.4	<0.4	<0.4	<0.5	<0.30	<0.4	**0.58 J**	Carbon Disulfide	**2.77** J
	4/13/2012	Siemens	**84.3**	**186**	**291**	<0.7	<0.4	<0.4	<0.4	<0.4	<0.5	<0.30	<0.4	<0.20	Acetone	**7.88** J
	10/4/2012	Siemens	**71.6**	**196**	**276**	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	**0.37 J**	Carbon Disulfide	**21.8**
	10/1/2013	Pace	**83.5**	**216**	**276**	<0.44	<0.39	<0.28	<0.43	**2.7**	<0.37	<0.47	<0.36	**4.1**	ND	
	4/7/2014	Pace	**69.8**	**219**	**276**	<0.37	<0.50	<0.16	<0.41	<0.26	<0.24	<0.50	<0.33	<0.18	ND	
	10/10/2014	Pace	**71.6**	**213**	**284**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	Acetone	**4.1** J
	4/17/2015	Pace	**67.6**	**224**	**265**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	**1.1**	ND	
	10/9/2015	Pace	**64.4**	**227**	**290**	<0.37	**0.63 J**	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	**1.3**	Acetone	**22.1**
	4/6/2016	Pace	**97.9**	**203**	**303**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	**2.5**	**ND**	
	10/5/2016	Pace	**109**	**200**	**373**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	**2.4**	**ND**	
	4/6/2017	Pace	**89**	**216**	**287**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	**1.9**	**ND**	
	10/5/2017	Pace	**93.6**	**212**	**314**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	**2.0**	**ND**	
	4/5/2018	Pace	**128**	**178**	**339**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	**3.4**	ND	
	10/3/2018	Pace	**109**	**215**	**335**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	**2.3**	Acetone	**5.3** J1
	4/4/2019	Pace	**124**	**186**	**345**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	**4.2**	Acetone	**10.3** J
	10/10/2019	Pace	**123**	**180**	**331**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	**5.1**	Acetone	**6.3** J1
															Carbon Disulfide	**0.98** J1
	4/23/2020	Pace	**133**	**190**	**339**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	**2.2**	Carbon disulfide	**0.80** J1
	10/7/2020	Pace	**139**	**177**	**358**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	**4.3**	Acetone	**3.5** J1
	4/8/2021	Pace	**144**	**190**	**372**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	**2.7**	ND	
	10/7/2021	Pace	**149**	**194**	**372**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	**4.3**	ND	
	4/6/2022	Pace	**162**	**187**	**356**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	**5.4**	ND	
	10/6/2022	Pace	**150**	**200**	**358**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	**9.4**	ND	

Table 3. LGRL VOC Investigation Deep Unconsolidated Well Sample Results - Through October 2022
Land and Gas Reclamation Landfill / File No. 25223008.02
(Results are in µg/L, except where otherwise noted)

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
P-422B	10/27/2010	Siemens	**6.9**	**218**	**152**	<0.7	<0.4	<0.4	<0.4	**8.7**	<0.5	<0.30	**0.51 J**	**0.26 J**	ND
	11/29/2010	Siemens	**7.16**	**225**	--	--	--	--	--	--	--	--	--	--	Methane **24.3**
	4/7/2011	Siemens	**8.15**	**183**	**149**	<0.7	<0.4	<0.4	<0.4	<0.4	<0.5	<0.30	<0.4	< 0.20	ND
	10/6/2011	Siemens	**6.34**	**194**	**152**	<0.7	<0.4	<0.4	<0.4	<0.4	<0.5	<0.30	<0.4	<0.20	ND
	4/13/2012	Siemens	**10.2**	**212**	**159**	<0.7	<0.4	<0.4	<0.4	<0.4	<0.5	<0.30	<0.4	<0.20	ND
	10/4/2012	Pace	**5.7**	**206**	**150**	<0.97	<0.24	<0.75	<0.57	<0.83	<0.89	<0.45	<0.48	<0.18	ND
	10/3/2013	Pace	**25.8**	**196**	**169**	<0.44	<0.39	<0.28	<0.43	<0.42	<0.37	<0.47	<0.36	<0.18	ND
	4/7/2014	Pace	**33.6**	**200**	**180**	<0.37	<0.50	<0.16	<0.41	<0.26	<0.24	<0.50	<0.33	<0.18	ND
	10/10/2014	Pace	**25.9**	**198**	**170**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/17/2015	Pace	**32.5**	**189**	**166**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/9/2015	Pace	**29**	**200**	**167**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	4/7/2016	Pace	**19.7**	**194**	**164**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/7/2016	Pace	**18.9**	**199**	**165**	<0.37	<0.50	<0.24	<0.41	**1.4**	<0.26	<0.50	<0.33	<0.18	ND
	4/7/2017	Pace	**12.2**	**209**	**157**	<0.37	<0.50	<0.24	<0.41	**7**	**0.27 J**	<0.50	<0.33	<0.18	ND
	10/6/2017	Pace	**10**	**212**	**166**	<0.37	<0.50	<0.24	<0.41	**0.85 J**	<0.26	<0.50	<0.33	<0.18	ND
	4/5/2018	Pace	**10.1**	**216**	**175**	<0.37	<0.50	<0.24	<0.41	<0.26	<0.26	<0.50	<0.33	<0.18	ND
	10/3/2018	Pace	**8.6**	**199**	**164**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	4/5/2019	Pace	**10.1**	**210**	**173**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	10/9/2019	Pace	**7.8**	**208**	**166**	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND
	4/20/2020	Pace	**9.1** J1,D3	**216**	**180**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	ND
	10/7/2020	Pace	**10.4** M0	**198**	**176**	<1.3	<2.2	<0.27	<0.24	<0.27	<0.46	<0.33	<0.26	<0.17	ND
	4/6/2021	Pace	**8.0**	**215**	**145**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/7/2021	Pace	**7.8**	**221**	**186**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/7/2022	Pace	**8.0**	**215**	**172**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND

Table 3. LGRL VOC Investigation Deep Unconsolidated Well Sample Results - Through October 2022
Land and Gas Reclamation Landfill / File No. 25223008.02
(Results are in µg/L, except where otherwise noted)

Well Number	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Hardness (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs	
NR 140 Groundwater Enforcement Standard			250	NS	NS	400	30	850	7	70	100	5	5	0.2	Acetone	9000
															Carbon Disulfide	1,000
															Xylenes	2,000
NR 140 Preventive Action Limit			125	NS	NS	80	3	85	0.7	7	20	0.5	0.5	0.02	Acetone	1,800
															Carbon Disulfide	200
															Xylenes	400

Abbreviations:
ND = Not detected
mg/L = Milligrams per Liter
µg/L = Micrograms per Liter
Siemens = Siemens Water Technologies
Pace = Pace Analytical Services, Inc., Green Bay, WI
-- = Not Analyzed

Bold indicates detected compound.
Bold and underline indicates result above drinking water standard.

Lab Notes/Qualifiers:
J = Estimated value below laboratory limit of quantitation.
J1 = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ).
D3 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M0 = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

Created by: MDB Date: 6/12/2019
Last revision by: RM Date: 4/21/2023
Checked by: BAS Date: 4/21/2023
Proj Mgr QA/QC: EO Date: 5/25/2023

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
Monthly Monitoring Locations															
PW-21R	A. Oechsner N7548 Hwy. 67 Mayville	1/29/2009	NLS	**12**	**310**	<0.79	<0.31	<0.21	<0.13	**11**	**0.26** J	<0.15	<0.18	**0.61**	ND
			NLS	--	--	<0.79	<0.31	<0.21	<0.13	**10**	**0.26** J	<0.15	<0.18	**0.56**	ND
		2/24/2009	NLS	--	--	<0.79	<0.31	<0.21	<0.13	**10**	<0.19	<0.15	<0.18	**0.35** J	ND
			CT	--	--	<0.40	**0.56** JB	<0.21	<0.24	**8.6**	<0.27	<0.30	<0.24	**0.39**	ND
		6/30/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	**19**	**0.52** J	<0.20	**0.26**	**0.53**	ND
		7/14/2010	NLS	--	--	<1.0	<0.16	<0.14	<0.11	**12**	**0.23** J	<0.10	<0.12	**0.40** J	ND
PW-21RR Untreated	A. Oechsner N7548 Hwy. 67 Mayville	10/7/2010	Siemens	--	--	<0.70	<0.40	<0.40	<0.40	**2.74**	<0.50	<0.30	<0.40	**0.58** J	ND
			TA	--	--	<1.0	<0.30	<0.50	<0.50	**2.0**	<0.50	<0.50	<0.20	**0.37** J	ND
		11/11/2010	TA	**13**	**320**	<1.0	**0.47** J	<0.50	<0.50	**2.6**	<0.50	<0.50	<0.20	**0.76** J	Chloroform **0.29** J Toluene **21**
		11/29/2010	Siemens	**12.4**	**347**	<0.70	<0.40	<0.40	<1.30	**3.12**	<0.50	<0.30	<0.40	**0.61** J	Toluene **1.25**
		12/16/2010	Siemens	--	--	<0.70	<0.40	<0.40	<0.40	**3.75**	<0.50	<0.30	<0.40	**0.65** J	Toluene **0.99** J
		1/12/2011	NLS	--	--	<1.0	<0.16	<0.14	<0.11	**4.4**	**0.13** J	<0.10	<0.12	**0.75**	ND
		2/10/2011	Siemens	--	--	<0.70	<0.40	<0.40	<0.40	**6**	<0.50	<0.30	<0.40	**0.79**	ND
		3/1/2011	TA	--	--	<0.070	<0.063	<0.074	<0.059	**6.1**	<0.13	<0.067	<0.060	**0.92**	ND
		4/5/2011	NLS	--	--	<1.6	<0.29	<0.23	<0.13	**8.9**	**0.32** J	<0.11	<0.28	**0.94**	ND
			TA	--	--	<0.10	<0.20	<0.050	<0.050	**7.3**	**0.27** J	<0.050	<0.050	**0.79**	ND
		5/26/2011	TA	--	--	**0.34** J	<0.20	**0.080** J	<0.05	**12**	**0.44** J	<0.050	<0.050	**1.0**	ND
		6/28/2011	TA	--	--	<0.50	<0.30	<0.25	<0.15	**9.8**	**0.37** J	<0.15	<0.25	**0.78**	ND
		7/14/2011	TA	--	--	<0.50	**0.33** J	<0.25	<0.15	**10**	**0.40** J	<0.15	<0.25	**0.75**	ND
		8/16/2011	TA	--	--	<0.50	<0.30	<0.25	<0.15	**9.7**	**0.31** J	<0.15	<0.25	**0.46** J	ND
		9/1/2011	TA	--	--	<0.50	**0.46** J	<0.25	<0.15	**11**	**0.45** J	<0.15	<0.25	**0.67**	ND
		10/6/2011	TA	--	--	**0.52**	<0.30	<0.25	<0.15	**10**	**0.40** J	<0.15	<0.25	**0.63**	ND
		11/14/11 *	TA	--	--	<0.50	<0.30	<0.25	<0.15	**11**	**0.43** J	<0.15	<0.25	**0.82**	ND
		11/14/11 **	TA	--	--	**0.64**	<0.30	<0.25	<0.15	**12**	**0.43** J	<0.15	<0.25	**0.81**	ND
		12/12/2011	TA	--	--	<0.50	<0.30	<0.25	<0.15	**12**	**0.42** J	<0.15	<0.25	**0.83**	ND
		12/27/2011	TA	--	--	<0.50	<0.30	<0.25	<0.15	**12**	**0.45** J	<0.15	<0.25	**0.74**	ND
			Siemens	--	--	<0.70	<0.40	<0.40	<0.40	**13.9**	**0.57** J	<0.30	<0.40	**0.85** J	ND
		1/4/2012	Siemens	--	--	<0.70	<0.40	<0.40	<0.40	**15.4**	**0.62** J	<0.30	<0.40	**1.09**	ND
		1/11/2012	Siemens	--	--	<0.70	<0.40	<0.40	<0.40	**15.5**	**0.66** J	<0.30	<0.40	**1.02**	ND
		1/18/2012	Siemens	--	--	<0.70	<0.40	<0.40	<0.40	**15.2**	**0.66** J	<0.30	<0.40	**1.01**	ND
		1/25/2012	Siemens	--	--	<0.70	<0.40	<0.40	<0.40	**16.6**	**0.61** J	<0.30	<0.40	**1.10**	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
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Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
PW-21RR Untreated (cont.)	A. Oechsner N7548 Hwy. 67 Mayville	2/15/2012	TA	--	--	<0.50	<0.30	<0.25	<0.15	**13**	**0.47** J	<0.15	<0.25	**0.86**	ND
		3/1/2012	TA	--	--	<0.50	<0.30	<0.25	<0.15	**13**	**0.48** J	<0.15	<0.25	**0.96**	ND
		4/11/2012	TA	**16**	**290**	<0.50	<0.30	<0.25	<0.15	**14**	**0.69**	<0.15	<0.25	**0.89**	ND
		5/2/2012	Siemens	--	--	**0.92** J	<0.40	<0.40	<0.40	**19.8**	**0.80** J	<0.30	<0.40	**1.52**	ND
		6/20/2012	Pace	--	--	**0.25** J	**0.73** J	**0.11** J	<0.16	**15.1**	**0.51**	<0.16	<0.11	**0.62**	ND
		7/18/2012	Pace	--	--	<0.20	<0.13	<0.072	<0.16	**16**	**0.47** J	<0.16	<0.11	**0.62**	ND
		8/2/2012	Pace	--	--	**0.46** J	<0.13	**0.12** J	<0.16	**18.6**	**0.64**	<0.16	<0.11	**0.75**	ND
		9/13/2012	Pace	--	--	<0.31	<0.13	<0.072	<0.16	**16.1**	**0.49** J	<0.16	<0.11	**0.55**	Benzene **0.050** J Toluene **0.088** J
		10/5/2012	Pace	**13.6**	**316**	<0.31	<0.13	<0.072	<0.16	**14.6**	**0.51**	<0.16	<0.11	**0.63**	ND
		11/29/2012	Pace	--	--	<0.31	<0.13	<0.072	<0.16	**10.9**	**0.30** J	<0.16	<0.11	**0.44**	ND
		12/17/2012	Pace	--	--	<0.31	<0.13	<0.072	<0.16	**14.8**	**0.45** J	<0.16	<0.11	**0.62**	ND
		1/8/2013	Pace	--	--	**0.62** J	<0.13	<0.072	<0.16	**14.4**	**0.40** J	<0.16	<0.11	**0.52**	ND
		2/20/2013	Pace	--	--	<0.31	<0.13	<0.072	<0.16	**14**	**0.39** J	<0.16	<0.11	**0.52**	ND
		3/21/2013	Pace	--	--	<0.31	<0.13	<0.072	<0.16	**13.2**	**0.42** J	<0.16	<0.11	**0.48**	ND
		4/2/2013	Pace	**13.1**	**294**	<0.31	<0.13	<0.072	<0.16	**9.2**	**0.25** J	<0.16	<0.11	**0.34** J	ND
		5/7/2013	Pace	--	--	<0.31	<0.13	<0.072	<0.16	**14.4**	**0.43** J	<0.16	<0.11	**0.64**	ND
		6/27/2013	Pace	--	--	<0.50	<0.50	<0.25	<0.24	**12.5**	**0.32** J	<0.25	<0.12	**0.5**	m&p-Xylene **0.22** JB
		7/29/2013	Pace	--	--	<0.50	<0.50	<0.25	<0.24	**14.9**	**0.35** J	<0.25	<0.12	**0.6**	ND
		8/26/2013	Pace	--	--	<0.22	<0.40	<0.20	<0.23	**18**	<0.20	<0.19	<0.18	<0.19	ND
		9/12/2013	Pace	--	--	<0.22 L3	<0.40 L3	<0.20	<0.23	**16.1**	<0.20	<0.19	<0.18	<0.19 L3	ND
		10/1/13	Pace	**14.6**	**349**	<0.22	<0.40	<0.20	<0.23	**16.5**	**0.47** J	<0.19	<0.18	<0.19	ND
		11/7/13	Pace	--	--	<0.22	<0.40	<0.20	<0.23	**14.5**	**0.44** J	<0.19	<0.18	**0.67**	Methylene Chloride **0.48** J 1,2-Dichloroethane **0.55**
		12/9/13	Pace	--	--	<0.50	<0.50	<0.25	<0.24	**13.3**	**0.39** J	<0.25	<0.13	**0.58**	ND
		1/9/2014	Pace	--	--	<0.50	<0.50 M1	<0.25	<0.24	**14.9**	**0.33** J	<0.25	<0.13	**0.75**	ND
		2/11/2014	Pace	--	--	<0.50	<0.50	<0.25	<0.24	**12.2**	**0.32** J	<0.25	<0.13	**0.52**	ND
		3/11/2014	Pace	--	--	<0.50	<0.50	<0.25	<0.24	**14.4**	**0.46** J	<0.25	<0.13	**0.50**	ND
		4/25/2014	Pace	**14.7**	**356**	<0.50	<0.50	<0.25	<0.24	**15.3**	**0.42** J	<0.25	<0.13	**0.66**	ND
		5/12/2014	Pace	--	--	<0.17	<0.34	<0.077	<0.13	**13.8**	**0.26** J	<0.099	<0.084	**0.56**	ND
		6/10/2014	Pace	--	--	**0.21** J	<0.34	<0.077	<0.13	**15.0**	**0.38** J	<0.099	<0.084	**0.78**	ND
		7/8/2014	Pace	--	--	**0.29** J	<0.34 M1	<0.077	<0.13	**16.4**	**0.38** J	<0.099	<0.084	**0.64** M1	ND
		8/1/2014	Pace	--	--	**0.25** J	<0.34	<0.077	<0.13	**14.6**	**0.43** J	<0.099	<0.084	**0.56**	ND
		9/3/2014	Pace	--	--	<0.17	<0.34	<0.077	<0.13	**13.9**	**0.27** J	<0.099	<0.084	**0.58**	ND
		9/3/2014 DUP	Pace	--	--	**0.27** J	<0.34	<0.077	<0.13	**14.8**	**0.30** J	<0.099	<0.084	**0.67**	ND
		10/6/2014	Pace	**14.7**	**338**	**0.47** J	<0.34	<0.087	<0.17	**15.9**	**0.48** J	<0.12	<0.084	**0.53**	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
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Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
PW-21RR Untreated (cont.)	A. Oechsner N7548 Hwy. 67 Mayville	11/20/2014	Pace	--	--	<0.27	<0.34	<0.087	<0.17	**16.2**	**0.47** J	<0.12	<0.084	**0.57**	ND
		12/12/2014	Pace	--	--	<0.27	<0.34	<0.087	<0.17	**19.0**	<0.15	<0.12	<0.084	**1.2**	ND
		1/21/2015	Pace	--	--	<0.27	<0.34	<0.087	<0.17	**17.1**	<0.15	<0.12	<0.084	**0.43**	ND
		2/18/2015	Pace	--	--	<0.27	<0.34	<0.087	<0.17	**14.2**	**0.37** J	<0.12	<0.084	**0.55**	ND
		3/5/2015	Pace	--	--	<0.27	<0.34	<0.087	<0.17	**16.6**	<0.15	<0.12	<0.084	**0.50**	ND
		4/17/2015	Pace	**15.5** B	**328**	<0.27	<0.34	<0.087	<0.17	**18.3**	**0.48** J	<0.12	<0.084	**0.50**	ND
		5/20/2015	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**16.7**	**0.44** J	<0.15	<0.14	**0.55**	ND
		6/3/2015	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**18.8**	**0.52**	<0.15	<0.14	**0.56**	ND
		7/16/2015	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**18.5**	**1.2**	<0.15	<0.14	**0.58**	ND
		8/31/2015	Pace	--	--	<0.34	<0.64 L2	<0.19	<0.17	**18.0**	**1.1**	<0.15	<0.14	**0.47**	ND
		9/21/2015	Pace	--	--	<0.34 H1	<0.64 H1,L3	**0.19** J,H1	<0.17 H1	**18.1** H1	**0.53** H1	<0.15 H1	**0.18** J,H1	**0.60** H1	ND
		10/6/2015	Pace	**16.0**	**328**	<0.88	<0.20	**0.18**	<0.17	**20**	**0.35**	<0.13	<0.19	**0.76**	ND
		11/4/2015	Pace	--	--	<0.24 N2	<0.23 N2	<0.17 N2	<0.17 N2	**17.7** N2	**0.42** J,N2	<0.32 N2	<0.21 N2	<0.23 N2	ND
		12/3/2015	Pace	--	--	<0.24	<0.23	<0.17	<0.17	**18.2**	**0.37** J	<0.32	<0.21	<0.23	ND
		1/5/2016	Pace	--	--	**0.36** J	<0.64	<0.19 M1	<0.17	**18.7**	<0.18	<0.15	<0.14	**0.55**	ND
		2/9/2016	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**18.3**	**0.41** J	<0.15	<0.14	**0.50**	Toluene **0.27** JB
		3/10/2016	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**17.5**	**0.52** J	<0.15	<0.14	**0.55**	ND
		4/5/2016	Pace	**16.0**	**345**	<0.34	<0.64	<0.19	<0.17	**17.5**	**0.42** J	<0.15	<0.14	**0.47**	ND
		5/19/2016	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**19.7**	**0.24** J	<0.15	<0.14	**0.45**	ND
		6/22/2016	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**18**	**0.46** J	<0.15	<0.14	**0.37**	ND
		7/7/2016	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**18.8**	**0.48** J	<0.15	<0.14	**0.64**	ND
		8/11/2016	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**17.9**	**0.35** J	<0.12	<0.044	**0.46**	ND
		9/9/2016	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**17**	**0.47** J	<0.12	<0.044	**0.42**	ND
		10/4/2016	Pace	**17.0**	**345**	**0.28** J	<0.21	<0.088	<0.089	**20.7**	**0.53**	<0.12	<0.044	**0.57**	ND
		11/14/2016	Pace	--	--	**0.29** J	<0.21	<0.088	<0.089	**16.7**	**0.47** J	<0.12	<0.044	**0.45**	ND
		12/1/2016	Pace	--	--	**0.37** J	<0.21	<0.088	<0.089	**19.2**	**0.51**	<0.12	<0.044	**0.48**	ND
		1/27/2017	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**21.1**	**0.42** J	<0.12	<0.044	**0.5**	ND
		2/2/2017	Pace	--	--	**0.31** J	<0.21	<0.088	<0.089	**22.1**	**0.44** J	<0.12	<0.044	**0.46**	ND
		3/9/2017	Pace	--	--	**0.53** J	<0.21	<0.088	<0.089	**25**	**0.63**	<0.12	<0.044	**0.5**	ND
		4/4/2017	Pace	**18.4**	**339**	**0.32** J	<0.21	<0.088	<0.089	**20.3**	**0.75**	<0.12	<0.044	**0.54**	ND
		5/19/2017	Pace	--	--	**0.54** J	<0.21	<0.088	<0.089	**20.8**	**0.48 J**	<0.12	<0.044	**0.62**	ND
		6/22/2017	Pace	--	--	**0.28** J	<0.21	<0.088	<0.089	**19.5**	**0.51**	<0.12	<0.044	**0.59**	ND
		7/17/2017	Pace	--	--	**0.58** J	<0.21	<0.088	<0.089	**18.3**	**0.42** J	<0.12	<0.044	**0.52**	ND
		8/2/2017	Pace	--	--	**0.33** J	<0.21	**0.20** J	<0.089	**24.1**	**0.68**	<0.12	<0.044	**0.71**	ND
		9/7/2017	Pace	--	--	**0.32** J	<1.1	<0.14	<0.18	**20.6**	**0.51** J	<0.12	<0.11	**0.51**	ND
		10/3/2017	Pace	**18**	**335**	<0.32	<1.1	<0.14	<0.18	**19.4**	**0.41** J	<0.12	<0.11	**0.59**	ND

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PW-21RR Untreated (cont.)	A. Oechsner N7548 Hwy. 67 Mayville	11/1/2017	Pace	--	--	<0.32	<1.1	<0.14	<0.18	**17**	**0.46** J	<0.12	<0.11	**0.49**	ND
		1/18/2018	Pace	--	--	**0.33** J	<1.1	<0.14	<0.18	**20.6**	**0.50** J	<0.12	<0.11	**0.63**	ND
		2/1/2018	Pace	--	--	**0.35** J	<1.1	<0.14	<0.18	**19.5**	**0.40** J	<0.12	<0.11	**0.49**	ND
		3/14/2018	Pace	--	--	<0.32	<1.1	<0.14	<0.18	**18.9**	**0.37** J1	<0.12	<0.11	**0.52**	ND
		4/3/2018	Pace	**17.5**	**323**	<0.32	<1.1	<0.14	<0.18	**18.4**	**0.36** J1	<0.12	<0.11	**0.59**	ND
		5/15/2018	Pace	--	--	**0.26**	<0.023	**0.14**	<0.034	**20.5**	**0.49**	<0.040	<0.044	**0.58**	ND
		6/1/2018	Pace	--	--	<0.32	<1.1	<0.14	<0.18	**17.6**	**0.44** J1	<0.12	<0.11	**0.55**	ND
		7/12/2018	Pace	--	--	**0.81**	<0.15	<0.16	<0.19	**20.1**	**0.54** J1	<0.17	<0.12	**0.48**	ND
		8/2/2018	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**19.5**	**0.42** J1	<0.17	<0.12	**0.55**	ND
		9/4/2018	Pace	--	--	<0.14	**0.47** J1	<0.16	<0.19	**21.2**	**0.70**	<0.17	<0.12	**0.50**	ND
		10/1/2018	Pace	**17.6**	**325**	<0.14	<0.15	<0.16	<0.19	**21.8**	**0.53** J1	<0.17	<0.12	**0.41**	ND
		11/20/2018	Pace	--	--	<0.14	**0.30** J1	<0.16	<0.19	**20.1**	**0.50** J1	<0.17	<0.12	**0.71**	ND
		12/20/2018	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**19.7**	**0.52** J1	<0.17	<0.12	**0.67**	ND
		1/9/2019	Pace	--	--	<0.37	<0.22	<0.28	<0.21	**17.6**	<0.35	<0.48	<0.23	<0.37	ND
		2/19/2019	Pace	--	--	**0.39** J	<0.15	<0.16	<0.19	**24.2**	**0.53** J	<0.17	<0.12	**0.68**	ND
		3/13/2019	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**20.9**	**0.47** J	<0.17	<0.12	**0.64**	ND
		4/3/2019	Pace	**17.4**	**328**	**0.34** J1	<0.15	<0.16	<0.19	**20.1**	**0.51** J1	<0.17	<0.12	**0.50**	ND
		5/20/2019	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**17.8**	**0.30** J	<0.17	<0.12	**0.46**	ND
		6/12/2019	Northern Lake Services	--	--	<1.5	<0.23	<0.31	<0.25	**20**	<0.47	<0.28	<0.30	**0.64** J2	ND
		7/9/2019	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**18.1**	**0.30** J1	<0.17	<0.12	**0.45**	ND
		8/15/2019	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**20.9**	**0.36** J1	<0.17	<0.12	**0.63**	ND
		9/19/2019	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**19.1**	**0.35** J1	<0.17	<0.12	**0.41**	ND
		10/8/2019	Pace	**18.1**	**331**	<0.14	<0.15	<0.16	<0.19	**26**	**0.52** J1	<0.17	<0.12	**0.52**	ND
		11/19/2019	Pace	--	--	<1.5	<0.23	<0.31	<0.25	**19**	**0.67** J1	<0.28	<0.30	**0.7**	ND
		12/6/2019	Pace	--	--	<1.5	<0.23	<0.31	<0.25	**17**	**0.48** J1	<0.28	<0.30	**0.51** J1	ND
		1/8/2020	Pace	--	--	<0.071	<0.087	<0.079	<0.088	**20.6**	**0.45**	<0.064	**0.12** J2	**0.47**	ND
		2/3/2020	Pace	--	--	<0.34	<0.15	<0.16	<0.19	**20.4**	**0.43** J2	<0.17	<0.12	**0.49**	ND
		3/4/2020	Pace	--	--	<0.34	<0.15	<0.16	<0.19	**20.6**	**0.50** J2	<0.17	<0.12	**0.6**	ND
		6/11/2020	Pace	**16.8**	**329**	**0.18** J2	<0.087	<0.079	<0.088	**18.3**	**0.34**	<0.064	<0.053	**0.43**	ND
		7/6/2020	Pace	--	--	**0.23** J2	<0.087	**0.11** J2	<0.088	**15.4**	**0.33**	<0.064	**0.061** J2	**0.43**	ND
		8/3/2020	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**15**	**0.29** J2	<0.27	<0.46	**0.39**J2	ND
		9/18/2020	Pace	--	--	<0.40	<0.40	<0.28	<0.28	**19**	**0.46** J2	<0.27	<0.46	**0.61** J2	ND
		10/14/2020	Pace	**17.6**	**339**	<2.7	<0.40	<0.28	<0.28	**25**	**0.58** J2	<0.27	<0.46	**0.69** J2	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs	
PW-21RR Untreated (cont.)	A. Oechsner N7548 Hwy. 67 Mayville	11/12/2020	Pace	--	--	<0.34	<0.15	**0.17** J1	<0.19	**18.8**	**0.67**	<0.17	<0.12	**0.4**	Chlorobenzene	**0.25** J1
															1,4-Dichlorobenzene	**0.092** J1
															1,2-Dichloroethane	**0.22** J1
		12/21/2020	Pace	--	--	**0.36** J2	<0.15	**0.18** J1	<0.19	**20.5**	**0.55** J1	<0.17	<0.12	**0.47**	Chlorobenzene	**0.16** J1
		1/20/2021	Pace	--	--	<0.34	<0.15	<0.16	<0.19	**19.1**	**0.40** J1	<0.17	<0.12	**0.44**	Chlorobenzene	**0.15** J1
		2/17/2021	Pace	--	--	<0.34	<0.15	<0.16	<0.19	**18.0**	**0.49** J1	<0.17	<0.12	**0.46**	Chlorobenzene	**0.15** J1
		3/17/2021	Pace	--	--	<0.40	<0.40	<0.28	<0.28	**20**	**0.64** J1	<0.27	<0.46	**0.65**	ND	
		4/29/2021	Pace	18.5	340	<2.7	<0.40	<0.28	<0.28	**22**	**0.58** J1	<0.27	<0.46	**0.70**	ND	
		5/25/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**20**	**0.68** J1	<0.27	<0.46	**0.67**	ND	
		6/28/2021	Pace	--	--	<2.7	**1.1** J1	<0.28	<0.28	**20**	**0.54** J1	<0.27	<0.46	**1.1**	ND	
		7/26/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**22**	**0.59** J1	<0.27	<0.46	**1.1**	ND	
		8/17/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**23**	**0.58** J1	<0.27	<0.46	**1.1**	ND	
		9/15/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**20**	**0.50** J1	<0.27	<0.46	**0.68**	ND	
		10/28/2021	Pace	18.6	346	<2.7	<0.40	<0.28	<0.28	**20**	**0.57** J1	<0.27	<0.46	**0.56** J1	ND	
		11/22/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**22**	**0.67** J1	<0.27	<0.46	**0.54** J1	ND	
		12/1/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**22**	**0.62** J1	<0.27	<0.46	**0.46** J1	ND	
		1/18/2022	Pace	--	--	<5.3	<0.80	<0.55	<0.56	**23**	**0.76** J	<0.54	<0.41	**0.60** J	Methylene Chloride	3.8 J
		2/1/2022	Pace	--	--	<5.3	<0.80	<0.55	<0.56	**23**	**0.68** J	<0.54	<0.41	<0.37	ND	
		3/1/2022	Pace	--	--	<0.076	<0.098	<0.088	<0.048	**20.4**	**0.45**	<0.15	<0.077	<0.073	ND	
		4/7/2022	Pace	20.0	362	<0.17	<0.10	<0.15	<0.23	**22.4**	**0.38** J	<0.094	<0.17	**0.52**	ND	
		5/4/2022	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**25.0**	**0.53** J	<0.094	<0.17	**0.53**	ND	
		6/2/2022	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**21.1**	**0.47** J	<0.094	<0.17	**0.43**	ND	
		7/12/2022	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**21.1**	**0.46** J	<0.094	<0.17	**0.46**	ND	
		8/11/2022	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**20.3**	**0.45** J	<0.094	<0.17	**0.40**	ND	
		9/7/2022	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**20.5**	**0.46** J	<0.094	<0.17	**0.40**	Acetone	1.9 J
		10/25/2022	Pace	**18.3**	**353**	<0.35	<0.15	<0.25	<0.36	**23.8**	**0.52** J	<0.17	<0.24	**0.40** J	ND	
		11/10/2022	Pace	--	--	<0.35	<0.15	<0.25	<0.36	**22.8**	**0.50** J	<0.17	<0.24	**0.44** J	ND	
		12/29/2022	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**18.4**	<0.32	<0.094	<0.17	<0.087	ND	
PW-21RR After Treatment System	A. Oechsner N7548 Hwy. 67 Mayville	6/27/13	Pace	--	--	<0.50	<0.50	<0.25	<0.24	**1.5**	<0.21	<0.25	<0.12	<0.20	m&p-Xylene	**0.25** JB
		7/29/13	Pace	--	--	<0.50	<0.50	<0.25	<0.24	**1.4**	<0.21	<0.25	<0.12	<0.20	ND	
		8/26/13	Pace	--	--	<0.22	<0.40	<0.20	<0.23	**2.3**	<0.20	<0.19	<0.18	<0.19	ND	
		9/12/13	Pace	--	--	<0.22	<0.40	<0.20	<0.23	**2.1**	<0.20	<0.19	<0.18	<0.19	ND	
		10/1/13	Pace	--	--	<0.22	<0.40	<0.20	<0.23	**2.4**	<0.20	<0.19	<0.18	<0.19	ND	
		11/7/13	Pace	--	--	<0.22	<0.40	<0.20	<0.23	**1.2**	<0.20	<0.19	<0.18	<0.19	Methylene Chloride	**0.46** J
		12/9/13	Pace	--	--	<0.50	<0.50	<0.25	<0.24	**0.74**	<0.21	<0.25	<0.13	<0.20	ND	
		1/9/2014	Pace	--	--	<0.50	<0.50	<0.25	<0.24	**0.84**	<0.21	<0.25	<0.13	<0.20	ND	
		2/11/2014	Pace	--	--	<0.50	<0.50	<0.25	<0.24	**0.73**	<0.21	<0.25	<0.13	<0.20	ND	
		3/11/2014	Pace	--	--	<0.50	<0.50	<0.25	<0.24	**1.6**	<0.21	<0.25	<0.13	<0.20	ND	

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
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Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
PW-21RR After Treatment System (cont.)	A. Oechsner N7548 Hwy. 67 Mayville	4/25/2014	Pace	--	--	<0.50	<0.50	<0.25	<0.24	**1.2**	<0.21	<0.25	<0.13	<0.20	ND
		5/12/2014	Pace	--	--	<0.17	<0.34	<0.077	<0.13	**1.5**	<0.15	<0.099	<0.084	<0.20	ND
		6/10/2014	Pace	--	--	<0.17	<0.34	<0.077	<0.13	**1.4**	<0.15	<0.099	<0.084	<0.20	ND
		7/8/2014	Pace	--	--	<0.17	<0.34	<0.077	<0.13	**1.3**	<0.15	<0.099	<0.084	<0.20	ND
		8/1/2014	Pace	--	--	<0.17	<0.34	<0.077	<0.13	**1.7**	<0.15	<0.099	<0.084	<0.082	ND
		10/6/2014	Pace	--	--	<0.27	<0.34	<0.087	<0.17	**1.5**	<0.15	<0.12	<0.084	<0.082	ND
		11/20/2014	Pace	--	--	<0.27	<0.34	<0.087	<0.17	**0.63**	<0.15	<0.12	<0.084	<0.082	ND
		12/12/2014	Pace	--	--	<0.27 H1	<0.34 H1,L3	<0.087 H1	<0.17 H1	**9.9** H1	**0.17** J, H1	<0.12 H1	<0.084 H1	**0.35** H1	ND
		1/21/2015	Pace	--	--	<0.27	<0.34	<0.087	<0.17	**9.9**	**0.21** J	<0.12	<0.084	**0.28**	ND
		2/18/2015	Pace	--	--	<0.27	<0.34	<0.087	<0.17	**1.0**	<0.15	<0.12	<0.084	<0.082	ND
		3/5/2015	Pace	--	--	<0.27	<0.34	<0.087	<0.17	**1.3**	<0.15	<0.12	<0.084	<0.082	ND
		4/17/2015	Pace	**15.6** B	**333**	<0.27	<0.34	<0.087	<0.17	**1.6**	<0.15	<0.12	<0.084	<0.082	ND
		5/20/2015	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**0.83**	<0.18	<0.15	<0.14	<0.081	ND
		6/3/2015	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**1.3**	<0.18	<0.15	<0.14	<0.15	Isopropylbenzene (Cumene) **0.11** J
		7/16/2015	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**2.3**	<0.18	<0.15	<0.14	<0.081	ND
		8/31/2015	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**2.1**	<0.18	<0.15	<0.14	<0.081	ND
		9/21/2015	Pace	--	--	<0.34 H1	<0.64 H1,L3	<0.19 H1	<0.17 H1	**1.9** H1	<0.18 H1	<0.15 H1	<0.14 H1	<0.081 H1	ND
		10/6/2015	Pace	--	--	<0.88	<0.20	<0.15	<0.17	**2.5**	<0.18	<0.13	<0.19	<0.10	ND
		11/4/2015	Pace	--	--	<0.24 N2	<0.23 N2	<0.17 N2	<0.17 N2	**1.6** N2	<0.19 N2	<0.32 N2	<0.21 N2	<0.23 N2	Isopropylbenzene (Cumene) **0.81** N2 Benzene **2.4** N2
		12/3/2015	Pace	--	--	<0.24	<0.23	<0.17	<0.17	**1.1**	<0.19	<0.32	<0.21	<0.23	ND
		2/9/2016	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**2.7**	<0.18	<0.15	<0.14	<0.15	Toluene **0.26** J
		3/10/2016	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**1.2**	<0.18	<0.15	<0.14	<0.15	ND
		4/5/2016	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**0.98**	<0.18	<0.15	<0.14	<0.081	ND
		5/19/2016	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**1.2**	<0.18	<0.15	<0.14	<0.081	ND
		6/22/2016	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**1.6**	<0.18	<0.15	<0.14	<0.081	ND
		7/7/2016	Pace	--	--	<0.34	<0.64	<0.19	<0.17	**2.2**	<0.18	<0.15	<0.14	<0.081	ND
		8/11/2016	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.9**	<0.11	<0.12	<0.044	<0.098	ND
		9/9/2016	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.9**	<0.11	<0.12	<0.044	<0.098	ND
		10/4/2016	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.9**	<0.11	<0.12	<0.044	<0.098	ND
		11/14/2016	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.8**	<0.11	<0.12	<0.044	<0.098	ND
		12/1/2016	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.7**	<0.11	<0.12	<0.044	<0.098	ND
		1/27/2017	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.1**	<0.11	<0.12	<0.044	<0.098	ND
		2/2/2017	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.1**	<0.11	<0.12	<0.044	<0.098	ND
		3/9/2017	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.4**	<0.11	<0.12	<0.044	<0.098	ND
		4/4/2017	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.4**	<0.11	<0.12	<0.044	<0.098	ND
		5/19/2017	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.5**	<0.11	<0.12	<0.044	<0.098	ND
		6/22/2017	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.9**	<0.11	<0.12	<0.044	<0.098	ND
		7/17/2017	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.4**	<0.11	<0.12	<0.044	<0.098	ND

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PW-21RR After Treatment System (cont.)	A. Oechsner N7548 Hwy. 67 Mayville	8/2/2017	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.9**	<0.11	<0.12	<0.044	<0.098	ND
		9/7/2017	Pace	--	--	<0.32	<1.1	<0.14	<0.18	**1.5**	<0.21	<0.12	<0.11	<0.074	ND
		10/3/2017	Pace	--	--	<0.32	<1.1	<0.14	<0.18	**4.1**	<0.21	<0.12	<0.11	<0.074	ND
		11/1/2017	Pace	--	--	<0.32	<1.1	<0.14	<0.18	**1.5**	<0.21	<0.12	<0.11	<0.074	ND
		1/18/2018	Pace	--	--	<0.32	<1.1	<0.14	<0.18	**1.1**	<0.21	<0.12	<0.11	<0.074	ND
		2/1/2018	Pace	--	--	<0.32	<1.1	<0.14	<0.18	**1.3**	<0.21	<0.12	<0.11	<0.074	ND
		3/14/2018	Pace	--	--	<0.32	<1.1	<0.14	<0.18	**1.1**	<0.21	<0.12	<0.11	<0.074	ND
		4/3/2018	Pace	--	--	<0.32	<1.1	<0.14	<0.18	**1.0**	<0.21	<0.12	<0.11	<0.074	ND
		5/15/2018	Pace	--	--	<0.053	**0.14**	<0.033	<0.034	**1.5**	<0.028	<0.040	<0.044	<0.016	ND
		6/1/2018	Pace	--	--	<0.32	<1.1	<0.14	<0.18	**1.6**	<0.21	<0.12	<0.11	<0.074	ND
		7/12/2018	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**1.8**	<0.18	<0.17	<0.12	<0.086	Isopropylbenzene (Cumene) **0.51** J1 N2
		8/2/2018	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**2.9**	<0.18	<0.17	<0.12	<0.086	ND
		9/4/2018	Pace	--	--	<0.14	0.54	<0.16	<0.19	**2.6**	<0.18	<0.17	<0.12	<0.086	ND
		10/1/2018	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**2.2**	<0.18	<0.17	<0.12	<0.086	Isopropylbenzene **0.69**
		11/20/2018	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**1.3**	<0.18	<0.17	<0.12	<0.086	ND
		12/20/2018	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**1.5**	<0.18	<0.17	<0.12	<0.086	ND
		1/9/2019	Pace	--	--	<0.37	<0.22	<0.28	<0.21	<0.39	<0.35	<0.48	<0.23	<0.37	ND
		2/19/2019	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**1.3**	<0.18	<0.17	<0.12	<0.086	ND
		3/13/2019	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**1.9**	<0.18	<0.17	<0.12	<0.086	ND
		4/3/2019	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**3.5**	<0.18	<0.17	<0.12	<0.086	ND
		5/20/2019	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**1.2**	<0.18	<0.17	<0.12	<0.086	ND
		6/12/2019	Northern Lake Services	--	--	<1.5	<0.23	<0.31	<0.25	**1.4**	<0.47	<0.28	<0.30	<0.20	ND
		7/9/2019	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**2.6**	<0.18	<0.17	<0.12	<0.086	ND
		8/15/2019	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**4.2**	<0.18	<0.17	<0.12	<0.086	ND
		9/19/2019	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**1.5**	<0.18	<0.17	<0.12	<0.086	ND
		10/8/2019	Pace	--	--	<0.14	<0.15	<0.16	<0.19	**4.9**	<0.18	<0.17	<0.12	<0.086	ND
		11/19/2019	Pace	--	--	<1.5	<0.23	<0.31	<0.25	**3**	<0.47	<0.28	<0.30	<0.20	ND
		12/6/2019	Pace	--	--	<1.5	<0.23	<0.31	<0.25	**2.3**	<0.47	<0.28	<0.30	<0.20	ND
		1/8/2020	Pace	--	--	<0.071	<0.087	<0.079	<0.088	**3.7**	<0.045	<0.064	<0.053	<0.068	ND
		2/3/2020	Pace	--	--	<0.34	<0.15	<0.16	<0.19	**3.9**	<0.18	<0.17	<0.12	<0.086	ND
		3/4/2020	Pace	--	--	<0.34	<0.15	<0.16	<0.19	**5.6**	<0.18	<0.17	<0.12	<0.086	ND
		6/11/2020	Pace	--	--	<0.071	<0.087	<0.079	<0.088	**2.1**	<0.045	<0.064	<0.053	<0.068	ND
		7/6/2020	Pace	--	--	<0.071	<0.087	<0.079	<0.088	**1.3**	<0.045	<0.064	<0.053	<0.068	ND
		8/3/2020	Pace	--	--	<2.7	<0.40	<0.43	<0.28	**1.2**	<0.24	<0.27	<0.46	<0.19	ND
		9/18/2020	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**1.7**	<0.24	<0.27	<0.46	<0.19	ND
		10/14/2020	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**1.7**	<0.24	<0.27	<0.46	<0.19	ND
		11/12/2020	Pace	--	--	<0.34	<0.15	<0.16	<0.19	**2.2**	<0.18	<0.17	<0.12	<0.086	Chlorobenzene **0.23** J2

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
PW-21RR After Treatment System (cont.)	A. Oechsner N7548 Hwy. 67 Mayville	12/21/2020	Pace	--	--	<0.34	<0.15	<0.16	<0.19	**1.7**	<0.18	<0.17	<0.12	<0.086	Chlorobenzene **0.19** J2
		1/20/2021	Pace	--	--	<0.34	<0.15	<0.16	<0.19	**1.7**	<0.18	<0.17	<0.12	<0.086	Chlorobenzene **0.19** J1
		2/17/2021	Pace	--	--	<0.34	<0.15	<0.16	<0.19	**2.0**	<0.18	<0.17	<0.12	<0.086	Chlorobenzene **0.12** J1 Styrene **0.38** J1
		3/17/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**1.4**	<0.24	<0.27	<0.46	<0.19	ND
		4/29/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**1.7**	<0.24	<0.27	<0.46	<0.19	ND
		5/25/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**1.3**	<0.24	<0.27	<0.46	<0.19	ND
		6/28/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**1.6**	<0.24	<0.27	<0.46	<0.19	ND
		7/26/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**1.8**	<0.24	<0.27	<0.46	<0.19	ND
		8/17/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**2.2**	<0.24	<0.27	<0.46	<0.19	ND
		9/15/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**2.1**	<0.24	<0.27	<0.46	<0.19	ND
		10/28/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**2.0**	<0.24	<0.27	<0.46	<0.19	ND
		11/22/2021	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**1.6**	<0.24	<0.27	<0.46	<0.19	ND
		12/1/2021	Pace	--	--	<0.28	<0.40	<0.28	<0.28	**1.3**	<0.24	<0.27	<0.46	<0.19	ND
		1/18/2022	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**1.5**	<0.24	<0.27	<0.21	<0.19	ND
		2/1/2022	Pace	--	--	<2.7	<0.40	<0.28	<0.28	**1.3**	<0.24	<0.27	<0.21	<0.19	ND
		3/1/2022	Pace	--	--	<0.076	<0.098	<0.088	<0.048	**1.2**	<0.092	<0.15	<0.077	<0.073	ND
		4/7/2022	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**1.8**	<0.32	<0.094	<0.17	<0.087	ND
		5/4/2022	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**1.9**	<0.32	<0.094	<0.17	<0.087	ND
		6/2/2022	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**1.9**	<0.32	<0.094	<0.17	<0.087	Acetone 2.4
		7/12/2022	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**2.2**	<0.32	<0.094	<0.17	<0.087	ND
		8/11/2022	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**1.8**	<0.32	<0.094	<0.17	<0.087	ND
		9/7/2022	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**2.0**	<0.32	<0.094	<0.17	<0.087	Acetone 1.3 J
		10/25/2022	Pace	--	--	<0.35	<0.15	<0.25	<0.36	**2.3**	<0.31	<0.17	<0.24	<0.16	ND
		11/10/2022	Pace	--	--	<0.35	<0.15	<0.25	<0.36	**2.1**	<0.31	<0.17	<0.24	<0.16	ND
		12/29/2022	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**1.9**	<0.32	<0.094	<0.17	<0.087	ND
Semi-annual Monitoring Locations															
PW-19	Antonioni W2831 Zion Church Rd. Mayville	6/28/2011	TA	--	--	<0.50	<0.30	<0.25	<0.15	**0.30** J	<0.30	<0.15	<0.25	<0.032	ND
		10/5/2012	Pace	**45.1**	**372**	<0.31	<0.13	<0.072	<0.16	<0.08	<0.14	<0.16	<0.11	<0.16	ND
		4/3/2013	Pace	**40.2**	**339**	<0.31	<0.13	<0.072	<0.16	**0.55**	<0.14	<0.16	<0.11	<0.16	ND
		10/1/2013	Pace	**38.3**	**355**	<0.22	<0.40	<0.20	<0.23	**0.82**	<0.20	<0.19	<0.18	<0.19	ND
		4/25/2014	Pace	**37.9**	**375**	<0.50	<0.50	<0.25	<0.24	**0.65**	<0.21	<0.25	<0.13	<0.20	ND
		10/6/2014	Pace	**43.1**	**341**	<0.27	<0.34	<0.087	<0.17	**0.63** J	<0.15	<0.12	<0.084	<0.082	ND
		6/3/2015	Pace	**41.1**	**352**	<0.34	<0.64	<0.19	<0.17	**0.63**	<0.18	<0.15	<0.14	<0.15	ND
		10/6/2015	Pace	**47.7**	**340**	<0.88	<0.20	<0.15	<0.17	**0.73**	<0.18	<0.13	<0.19	<0.10	ND
		4/5/2016	Pace	**42.6**	**335**	<0.34	<0.64	<0.19	<0.17	**0.59**	<0.18	<0.15	<0.14	<0.081	ND
		10/4/2016	Pace	**45.7**	**349**	<0.18	<0.21	<0.088	<0.089	**0.64**	<0.11	<0.12	<0.044	<0.098	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
PW-19 (cont.)	Antonioni W2831 Zion Church Rd. Mayville	4/4/2017	Pace	**45.7**	**353**	<0.18	<0.21	<0.088	<0.089	**0.55**	<0.11	<0.12	<0.044	<0.098	ND
		10/3/2017	Pace	**55.9**	**360**	<0.32	<1.1	<0.14	<0.18	**0.45**	<0.21	<0.12	<0.11	<0.074	ND
		4/3/2018	Pace	**52**	**362**	<0.32	<1.1	<0.14	<0.18	**0.54**	<0.21	<0.12	<0.11	<0.074	ND
		10/1/2018	Pace	**51.3**	**348**	<0.14	<0.15	<0.16	<0.19	**0.58**	<0.18	<0.17	<0.12	<0.086	ND
		4/3/2019	Pace	**41.4**	**326**	<0.14	<0.15	<0.16	<0.19	**1.2**	<0.18	<0.17	<0.12	<0.086	ND
		10/8/2019	Pace	**54.1**	**347**	<0.14	<0.15	<0.16	<0.19	**2.2**	<0.18	<0.17	<0.12	<0.086	ND
		6/24/2020	Pace	**45.1**	**353**	<2.7	<0.40	<0.28	<0.28	**1.2**	<0.24	<0.27	<0.46	<0.19	ND
		10/14/2020	Pace	**54.2**	**362**	<2.7	<0.40	<0.28	<0.28	**1.1** J2	<0.24	<0.27	<0.46	<0.19	ND
		4/29/2021	Pace	**41.9**	**351**	<2.7	<0.40	<0.28	<0.28	**0.48** J2	<0.24	<0.27	<0.46	<0.19	ND
		10/29/2021	Pace	**56.5**	**366**	<2.7	<0.40	<0.28	<0.28	**0.54** J1	<0.24	<0.27	<0.46	<0.19	ND
		4/8/2022	Pace	**39.8**	**382**	<0.17	<0.10	<0.15	<0.23	**0.44** J1	<0.32	<0.094	<0.17	<0.087	ND
		10/25/2022	Pace	**53.1**	**374**	<0.35	<0.15	<0.25	<0.36	**0.78**	<0.31	<0.17	<0.24	<0.16	ND
PW-20	Sellnow N7627 Hwy. 67 Mayville	3/11/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	**0.22** JB	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
		1/21/2010	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
		7/14/2010	NLS	--	--	<1.0	<0.16	<0.14	<0.11	<0.13	<0.11	<0.10	<0.12	<0.13	ND
		4/6/2011	NLS	--	--	<1.6	<0.29	<0.23	<0.13	<0.30	<0.30	<0.11	<0.28	<0.20	ND
			TA	--	--	<0.10	<0.20	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.032	ND
		10/6/2011	TA	--	--	<0.50	<0.30	<0.25	<0.15	<0.30	<0.30	<0.15	<0.25	<0.032	ND
		4/13/2012	TA	**33**	**310**	<0.50	<0.30	<0.25	<0.15	<0.30	<0.30	<0.15	<0.25	<0.032	ND
		10/5/2012	Pace	**45.6**	**323**	<0.31	<0.13	<0.072	<0.16	<0.080	<0.14	<0.16	<0.11	<0.16	ND
		4/2/2013	Pace	**29.3**	**340**	<0.31	<0.13	<0.072	<0.16	<0.080	<0.14	<0.16	<0.11	<0.16	ND
		10/1/2013	Pace	**22.3**	**312**	<0.22	<0.40	<0.20	<0.23	<0.12	<0.20	<0.19	<0.18	<0.19	ND
		4/25/2014	Pace	**27.7**	**385**	<0.50	<0.50	<0.25	<0.24	<0.23	<0.21	<0.25	<0.13	<0.20	ND
		10/6/2014	Pace	**28.4**	**315**	<0.27	<0.34	<0.087	<0.17	<0.11	<0.15	<0.12	<0.084	<0.082	ND
		4/17/2015	Pace	**62.8**	**365**	<0.27	<0.34	<0.087	<0.17	<0.11	<0.15	<0.12	<0.084	<0.082	ND
		10/6/2015	Pace	**26.4**	**327**	<0.88	<0.20	<0.15	<0.17	<0.16	<0.18	<0.13	<0.19	<0.10	ND
		4/5/2016	Pace	**23.0**	**330**	<0.34	<0.64	<0.19	<0.17	<0.17	<0.18	<0.15	<0.14	<0.081	ND
		10/4/2016	Pace	**27.2**	**325**	<0.18	<0.21	<0.088	<0.089	<0.085	<0.11	<0.12	<0.044	<0.098	ND
		4/6/2017	Pace	**30.4**	**333**	<0.18	<0.21	<0.088	<0.089	<0.085	<0.11	<0.12	<0.044	<0.098	ND
		10/5/2017	Pace	**22.5**	**327**	<0.32	<1.1	<0.14	<0.18	<0.073	<0.21	<0.12	<0.11	<0.074	ND
		4/3/2018	Pace	**20.6**	**334**	<0.32	<1.1	<0.14	<0.18	<0.073	<0.21	<0.12	<0.11	<0.074	ND
		10/1/2018	Pace	**19.3**	**323** M0	<1.3	<2.2	<0.27	<0.24	<0.27	<1.1	<0.33	<0.26	<0.17	ND
		4/5/2019	Pace	**25.8**	**319**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		10/8/2019	Pace	**18.8**	**319**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		6/24/2020	Pace	**16.7**	**325**	<0.27	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
PW-20 (cont.)	Sellnow N7627 Hwy. 67 Mayville	11/12/2020	Pace	**14.6**	**310** M0	<0.34	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		4/29/2021	Pace	**20.4**	**337**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		10/29/2021	Pace	**30.1**	**370**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		4/8/2022	Pace	**15.0**	**360**	<0.17	<0.10	<0.15	<0.23	<0.25	<0.32	<0.094	<0.17	<0.087	ND
		10/25/2022	Pace	**39.5**	**374**	<0.35	<0.15	<0.25	<0.36	<0.20	<0.31	<0.17	<0.24	<0.16	ND
PW-23	Weiss W2978 Zion Church Rd. Mayville	3/11/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	**0.25** JB	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
		7/14/2010	NLS	--	--	<1.0	<0.16	<0.14	<0.11	<0.13	<0.11	<0.10	<0.12	<0.13	ND
		4/6/2011	NLS	--	--	<1.6	<0.29	<0.23	<0.13	<0.30	<0.30	<0.11	<0.28	<0.20	ND
			TA	--	--	<0.10	<0.20	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.032	ND
		10/6/2011	TA	--	--	<0.50	<0.30	<0.25	<0.15	<0.30	<0.30	<0.15	<0.25	<0.032	ND
		4/11/2012	TA	**160**	**320**	<0.50	<0.30	<0.25	<0.15	<0.30	<0.30	<0.15	<0.25	<0.032	ND
		10/5/2012	Pace	**135**	**358**	<0.31	<0.13	<0.072	<0.16	<0.080	<0.14	<0.16	<0.11	<0.16	ND
		4/2/2013	Pace	**108**	**385**	<0.31	<0.13	<0.072	<0.16	<0.080	<0.14	<0.16	<0.11	<0.16	ND
		10/1/2013	Pace	**107**	**426**	<0.22	<0.40	<0.20	<0.23	<0.12	<0.20	<0.19	<0.18	<0.19	ND
		4/25/2014	Pace	**94.4**	**383**	<0.50	<0.50	<0.25	<0.24	<0.23	<0.21	<0.25	<0.13	<0.20	ND
		10/6/2014	Pace	**99.3**	**405**	<0.27	<0.34	<0.087	<0.17	<0.11	<0.15	<0.12	<0.084	<0.082	ND
		4/17/2015	Pace	**108**	**379**	<0.27	<0.34	<0.087	<0.17	<0.11	<0.15	<0.12	<0.084	<0.082	ND
		10/6/2015	Pace	**100**	**424**	<0.88	<0.20	<0.15	<0.17	<0.16	<0.18	<0.13	<0.19	<0.10	ND
		4/5/2016	Pace	**66.7**	**353**	<0.34	<0.64	<0.19	<0.17	<0.17	<0.18	<0.15	<0.14	<0.081	ND
		10/4/2016	Pace	**76.7**	**391**	<0.18	<0.21	<0.088	<0.089	<0.085	<0.11	<0.12	<0.044	<0.098	ND
		4/4/2017	Pace	**83.6**	**411**	<0.18	<0.21	<0.088	<0.089	<0.085	<0.11	<0.12	<0.044	<0.098	ND
		10/3/2017	Pace	**103**	**412**	<0.32	<1.1	<0.14	<0.18	<0.073	<0.21	<0.12	<0.11	<0.074	ND
		4/3/2018	Pace	**84.1**	**501**	<0.32	<1.1	<0.14	<0.18	<0.073	<0.21	<0.12	<0.11	<0.074	ND
		10/1/2018	Pace	**111**	**382**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		4/3/2019	Pace	**94.1**	**379**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		10/8/2019	Pace	**62.7**	**367**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		6/24/2020	Pace	**106**	**375**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		10/14/2020	Pace	**105**	**398**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		4/29/2021	Pace	**123**	**381**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		10/29/2021	Pace	**106**	**395**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		4/8/2022	Pace	**107**	**407**	<0.17	<0.10	<0.15	<0.23	<0.25	<0.32	<0.094	<0.17	<0.087	ND
		10/25/2022	Pace	**108**	**408**	<0.35	<0.15	<0.25	<0.36	<0.20	<0.31	<0.17	<0.24	<0.16	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
PW-27 (Abandoned)	All Line Construction N7477 Hwy. 67 Mayville	2/24/2009	NLS	--	--	<0.79	<0.31	**0.91**	**0.36** J	**120**	**3.9**	<0.15	**2.9**	**12**	ND
			CT	--	--	**3.0**	**1.1** B	**1.0**	**0.47** J	**110**	**4.4**	<0.30	**2.8**	**9.4**	ND
		3/11/2009	NLS	--	--	<0.95	<0.16	**0.70** J	**0.26** J	**100**	**3.2**	<0.20	**2.4**	**8.3**	ND
			CT	--	--	**2.4**	<0.22	**0.81**	**0.41** J	**89**	**4.1**	<0.30	**2.7**	**7.1**	ND
		6/30/2009	Siemens	--	--	**2.55**	<0.40	**0.91** J	**0.45** J	**115**	**3.71**	<0.30	**2.83**	**8.26**	ND
		2/10/2011	Siemens	**32.3**	**386**	**1.98** J	<0.40	**0.74** J	<0.40	**101**	**3.45**	<0.30	**2.31**	**6.48**	ND
		5/2/2012	Siemens	**26.4**	**334**	**1.42** J	<0.40	**0.42** J	<0.40	**53.6**	**1.81**	<0.30	**1.19** J	**4.02**	ND
		12/17/2012	Pace	**39.9**	**349**	**2.3**	<0.13	**0.69**	**0.17** J	**86.2**	**2.8**	<0.16	**1.2**	**9.1**	Methyl-tert-butyl ether **0.092** J 1,2,4 Trimethylbenzene **0.052** J
		2/20/2013	Pace	**36.7**	**360**	**2.30**	<0.13	**0.77**	<0.16	**87**	**3.30**	<0.16	**1.90**	**7.10**	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
PW-28	W. Muche N7650 Hwy. 67 Mayville	3/11/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	**0.18** J	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	<0.22	<0.21	<0.24	**0.24** J	<0.27	<0.30	<0.24	<0.11	ND
		6/30/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	**0.19** J	<0.28	<0.20	<0.25	<0.19	ND
		7/14/2010	NLS	--	--	<1.0	<0.16	<0.14	<0.11	**0.28** J	<0.11	<0.10	<0.12	<0.13	ND
		4/6/2011	NLS	--	--	<1.6	<0.29	<0.23	<0.13	**0.39** J	<0.30	<0.11	<0.28	<0.20	ND
			TA	--	--	<0.10	<0.20	<0.050	<0.050	**0.30** J	<0.050	<0.050	<0.050	<0.032	ND
		10/6/2011	TA	--	--	<0.50	<0.30	<0.25	<0.15	**0.33** J	<0.30	<0.15	<0.25	<0.032	ND
		4/11/2012	TA	**17**	**280**	<0.50	<0.30	<0.25	<0.15	**0.45** J	<0.30	<0.15	<0.25	<0.032	ND
		10/5/2012	Pace	**15.3**	**316**	<0.31	<0.13	<0.072	<0.16	**0.74**	<0.14	<0.16	<0.11	<0.16	ND
		4/3/2013	Pace	**16.1**	**339**	<0.31	<0.13	<0.072	<0.16	**1**	<0.14	<0.16	<0.11	<0.16	ND
		10/1/2013	Pace	**18.0**	**353**	<0.22	<0.40	<0.20	<0.23	**1.4**	<0.20	<0.19	<0.18	<0.19	ND
		4/25/2014	Pace	**18.3**	**374**	<0.17	<0.34	<0.077	<0.13	**1.2**	<0.15	<0.099	<0.084	<0.20	ND
		10/6/2014	Pace	**26.2**	**331**	<0.27	<0.34	<0.087	<0.17	**1.8**	<0.15	<0.12	<0.084	<0.082	ND
		4/17/2015	Pace	**21.7**	**344**	<0.27	<0.34	<0.087	<0.17	**2.0**	<0.15	<0.12	<0.084	<0.082	ND
		10/6/2015	Pace	**24.4**	**365**	<0.88	<0.20	<0.15	<0.17	**2.5**	<0.18	<0.13	<0.19	<0.10	ND
		4/5/2016	Pace	**24.1**	**362**	<0.34	<0.64	<0.19	<0.17	**2.2**	<0.18	<0.15	<0.14	<0.081	ND
		10/4/2016	Pace	**27.2**	**354**	<0.18	<0.21	<0.088	<0.089	**2.1**	<0.11	<0.12	<0.044	<0.098	ND
		4/4/2017	Pace	**27.4**	**354**	<0.18	<0.21	<0.088	<0.089	**2.3**	<0.11	<0.12	<0.044	<0.098	ND
		10/3/2017	Pace	**26.8**	**352**	<0.32	<1.1	<0.14	<0.18	**2.6**	<0.21	<0.12	<0.11	<0.074	ND
		4/3/2018	Pace	**27.3**	**370**	<0.32	<1.1	<0.14	<0.18	**2.5**	<0.21	<0.12	<0.11	<0.074	ND
		10/1/2018	Pace	**27**	**354**	<0.14	<0.15	<0.16	<0.19	**3.0**	<0.18	<0.17	<0.12	<0.086	ND
		4/3/2019	Pace	**26.9**	**350**	<0.14	<0.15	<0.16	<0.19	**2.8**	<0.18	<0.17	<0.12	<0.086	ND
		10/8/2019	Pace	**29.8**	**341**	<0.14	<0.15	<0.16	<0.19	**3.7**	<0.18	<0.17	<0.12	<0.086	ND
		6/24/2020	Pace	**31.6**	**356**	<2.7	<0.40	<0.28	<0.28	**2.8**	<0.24	<0.27	<0.46	<0.19	ND
		10/14/2020	Pace	**32.3**	**364**	<2.7	<0.40	<0.28	<0.28	**3.7**	<0.24	<0.27	<0.46	<0.19	ND
		4/29/2021	Pace	**33.4**	**365**	<2.7	<0.40	<0.28	<0.28	**3.9**	<0.24	<0.27	<0.46	<0.19	ND
		10/29/2021	Pace	**34.1**	**397**	<2.7	<0.40	<0.28	<0.28	**3.6**	<0.24	<0.27	<0.46	<0.19	ND
		4/8/2022	Pace	**36.0**	**395**	<0.17	<0.10	<0.15	<0.23	**3.5**	<0.32	<0.094	<0.17	<0.087	ND
		10/25/2022	Pace	**36.4**	**370**	<0.35	<0.15	<0.25	<0.36	**4.5**	<0.31	<0.17	<0.24	<0.16	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
PW-32	J. Oechsner W2983 Zion Church Rd. Mayville	4/7/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	**0.12** J2	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
		9/23/2009	NLS	--	--	<1.2	<0.48	<0.19	<0.22	<0.17	<0.19	<0.17	<0.23	<0.21	ND
		7/14/2010	NLS	--	--	<1.0	<0.16	<0.14	<0.11	**0.14** J	<0.11	<0.10	<0.12	<0.13	ND
		4/5/2011	NLS	--	--	<1.6	<0.29	<0.23	<0.13	<0.30	<0.30	<0.11	<0.28	<0.20	ND
			TA	--	--	<0.10	<0.20	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.032	Chlorobenzene **0.050** J
		10/6/2011	TA	--	--	<0.50	<0.30	<0.25	<0.15	<0.30	<0.30	<0.15	<0.25	<0.032	ND
		4/11/2012	TA	**41**	**300**	<0.50	<0.30	<0.25	<0.15	<0.30	<0.30	<0.15	<0.25	<0.032	ND
		10/5/2012	Pace	**40.2**	**349**	<0.31	<0.13	<0.072	<0.16	<0.080	<0.14	<0.16	<0.11	<0.16	ND
		4/2/2013	Pace	**39.8**	**478**	<0.31	<0.13	<0.072	<0.16	**0.27** J	<0.14	<0.16	<0.11	<0.16	ND
		10/1/2013	Pace	**40.5**	**362**	<0.22	<0.40	<0.20	<0.23	<0.12	<0.20	<0.19	<0.18	<0.19	ND
		4/25/2014	Pace	**40.7**	**374**	<0.50	<0.50	<0.25	<0.24	**0.30** J	<0.21	<0.25	<0.13	<0.20	ND
		10/6/2014	Pace	**41.2**	**355**	<0.27	<0.34	<0.087	<0.17	**0.33** J	<0.15	<0.12	<0.084	<0.082	ND
		4/24/2015	Pace	**35.4**	**334**	<0.27	<0.34	<0.087	<0.17	**0.16** J	<0.15	<0.12	<0.084	<0.082	ND
		10/6/2015	Pace	**37.1**	**355**	<0.88	<0.20	<0.15	<0.17	**0.53**	<0.18	<0.13	<0.19	<0.10	ND
		4/5/2016	Pace	**39.0**	**348**	<0.34	<0.64	<0.19	<0.17	**0.32** J	<0.18	<0.15	<0.14	<0.081	ND
		10/4/2016	Pace	**42.3**	**345**	<0.18	<0.21	<0.088	<0.089	**0.39** J	<0.11	<0.12	<0.044	<0.098	ND
		4/4/2017	Pace	**41.6**	**340**	<0.18	<0.21	<0.088	<0.089	**0.26** J	<0.11	<0.12	<0.044	<0.098	ND
		10/3/2017	Pace	**45.1**	**358**	<0.32	<1.1	<0.14	<0.18	**0.31**	<0.21	<0.12	<0.11	<0.074	ND
		4/3/2018	Pace	**43.6**	**373** M0	<0.32	<1.1	<0.14	<0.18	**0.21** J1	<0.21	<0.12	<0.11	<0.074	ND
		10/1/2018	Pace	**43.2**	**347**	<0.14	<0.15	<0.16	<0.19	**0.37** J1	<0.18	<0.17	<0.12	<0.086	ND
		4/3/2019	Pace	**44**	**337**	<0.14	<0.15	<0.16	<0.19	**0.33** J1	<0.18	<0.17	<0.12	<0.086	ND
		10/8/2019	Pace	**48.1**	**342**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		6/24/2020	Pace	**45**	**345**	<2.7	<0.40	<0.28	<0.28	**0.42** J2	<0.24	<0.27	<0.46	<0.19	ND
		10/14/2020	Pace	**43.4**	**353**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		4/29/2021	Pace	**41.7**	**350**	<2.7	<0.40	<0.28	<0.28	**0.36** J1	<0.24	<0.27	<0.46	<0.19	ND
		10/29/2021	Pace	**46.1**	**352**	<2.7	<0.40	<0.28	<0.28	**0.42** J1	<0.24	<0.27	<0.46	<0.19	Chloroform **3.1** Toluene **11**
		4/8/2022	Pace	**41.1**	**374**	<0.17	<0.10	<0.15	<0.23	<0.25	<0.32	<0.094	<0.17	<0.087	ND
		10/25/2022	Pace	**40.9**	**359**	<0.35	<0.15	<0.25	<0.36	**0.52** J1	<0.31	<0.17	<0.24	<0.16	ND

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Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
PW-38	King N7746 Hwy. 67 Mayville	5/14/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	**0.57** J	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
		7/14/2010	NLS	--	--	<1.0	<0.16	<0.14	<0.11	<0.13	<0.11	<0.10	<0.12	<0.13	ND
		4/6/2011	NLS	--	--	<1.6	<0.29	<0.23	<0.13	<0.30	<0.30	<0.11	<0.28	<0.20	ND
			TA	--	--	<0.10	<0.20	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.032	Toluene **0.22** J
		10/6/2011	TA	--	--	<0.50	<0.30	<0.25	<0.15	<0.30	<0.30	<0.15	<0.25	<0.032	Toluene **0.35** J
		4/11/2012	TA	<3.1	**310**	<0.50	<0.30	<0.25	<0.15	<0.30	<0.30	<0.15	<0.25	<0.032	ND
		10/5/2012	Pace	<2.0	**338**	<0.31	<0.13	<0.072	<0.16	<0.080	<0.14	<0.16	<0.11	<0.16	ND
		4/2/2013	Pace	**2.4** J	**268**	<0.31	<0.13	<0.072	<0.16	<0.080	<0.14	<0.16	<0.11	<0.16	ND
		10/1/2013	Pace	**3.2** J	**349**	<0.22	<0.40	<0.20	<0.23	<0.12	<0.20	<0.19	<0.18	<0.19	ND
		4/25/2014	Pace	**2.9** J	**361**	<0.50	<0.50	<0.25	<0.24	<0.23	<0.21	<0.25	<0.13	<0.20	ND
		10/6/2014	Pace	**3.2** J	**335**	<0.27	<0.34	<0.087	<0.17	<0.11	<0.15	<0.12	<0.084	<0.082	ND
		4/24/2015	Pace	**2.9** JB	**338**	<0.27	<0.34	<0.087	<0.17	<0.11	<0.15	<0.12	<0.084	<0.082	ND
		10/6/2015	Pace	**2.7** J	**341**	<0.88	<0.20	<0.15	<0.17	<0.16	<0.18	<0.13	<0.19	<0.10	ND
		4/5/2016	Pace	**3.0** J	**344**	<0.34	<0.64	<0.19	<0.17	<0.17	<0.18	<0.15	<0.14	<0.081	ND
		10/4/2016	Pace	**1.6** J	**340**	<0.18	<0.21	<0.088	<0.089	<0.085	<0.11	<0.12	<0.044	<0.098	ND
		4/4/2017	Pace	**1.5** J	**339**	<0.18	<0.21	<0.088	<0.089	<0.085	<0.11	<0.12	<0.044	<0.098	ND
		10/3/2017	Pace	**2.5**	**334**	<0.32	<1.1	<0.14	<0.18	<0.073	<0.21	<0.12	<0.11	<0.074	ND
		4/3/2018	Pace	**1.8** J1	**350**	<0.32	<1.1	<0.14	<0.18	<0.073	<0.21	<0.12	<0.11	<0.074	ND
		10/1/2018	Pace	**1.6** J1	**330**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		4/3/2019	Pace	**1.8** J1	**330**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		10/8/2019	Pace	**2.1**	**328**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		6/24/2020	Pace	**2**	**340**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		10/14/2020	Pace	**1.6** J2	**340**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		4/29/2021	Pace	**1.7** J1	**340**	<2.7	<0.40	<0.28	<0.43	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		10/29/2021	Pace	**1.6** J1	**346**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		4/8/2022	Pace	**1.6** J1	**360**	<0.17	<0.10	<0.15	<0.23	<0.25	<0.32	<0.094	<0.17	<0.087	ND
		10/25/2022	Pace	**1.5** J1	**350**	<0.35	<0.15	<0.25	<0.36	<0.20	<0.31	<0.17	<0.24	<0.16	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
PW-J	Glacier Ridge Landfill	10/30/2013	Pace	**28.8**	**395**	<0.44	<0.39	<0.28	<0.43	<0.42	<0.37	<0.47	<0.36	<0.18	ND
		10/8/2014	Pace	**27.3**	**369**	<0.37	<0.5	<0.24	<0.41	<0.26	<0.26	<0.5	<0.33	<0.18	ND
		10/7/2015	Pace	**27.7**	**387**	<0.37	<0.5	<0.24	<0.41	<0.26	<0.26	<0.5	<0.33	<0.18	ND
		10/6/2016	Pace	**30.1**	**368**	<0.37	<0.5	<0.24	<0.41	**0.8** J	<0.26	<0.5	<0.33	<0.18	ND
		2/2/2017	Pace	--	--	<0.18	<0.21	<0.088	<0.089	**1.5**	<0.11	<0.12	<0.044	<0.098	ND
		4/4/2017	Pace	--	--	<0.37	<0.5	<0.24	<0.41	**1.7**	<0.26	<0.5	<0.33	<0.18	ND
		10/3/2017	Pace	**27.8**	**367**	<0.37	<0.5	<0.24	<0.41	**4.6**	**0.35** J	<0.5	<0.33	<0.18	ND
		12/8/2017	Pace	--	--	<0.32	<1.1	<0.14	<0.18	**3.0**	<0.21	<0.12	<0.11	<0.074	Naphthalene **0.73** J Toluene **0.62**
		4/3/2018	Pace	**24.5**	**379 M**	<0.37	<0.5	<0.24	<0.41	**7.1**	**0.43** J	<0.5	<0.33	<0.18	ND
		6/1/2018	Pace	--	--	<0.37	<0.5	<0.24	<0.41	**6.5**	**0.38** J	<0.5	<0.33	<0.18	ND
		6/1/2018 (Dup)	Pace	--	--	<0.5	<0.7	<0.3	<0.4	**5.5**	<0.6	<0.5	<0.3	<0.19	ND
		10/5/2018	Pace	**18.1**	**346**	<1.3	<2.2	<0.27	<0.24	**4.8**	<1.1	<0.33	<0.26	**0.19** J	ND
		10/5/2018 (Dup)	Pace	**18.3**	**348**	<1.3	<2.2	<0.27	<0.24	**4.9**	<1.1	<0.33	<0.26	<0.17	ND
		5/31/2019	Pace	**23.5**	**325**	<1.3	<2.2	<0.27	<0.24	**8.1**	<1.1	<0.33	<0.26	<0.17	Acetone **3.0** J1
		7/9/2019	Pace	--	--	<1.3	<2.2	<0.27	<0.24	**7.3**	<1.1	<0.33	<0.26	<0.17	ND
		10/8/2019	Pace	**23.6**	**345**	<1.3	<2.2	<0.27	<0.24	**6.8**	<1.1	<0.33	<0.26	<0.17	Acetone **7.7** J1
		10/8/2019 (Dup)	Pace	**23.9**	**335**	<1.3	<2.2	<0.27	<0.24	**7.4**	<1.1	<0.33	<0.26	<0.17	Acetone **6.2** J1
		4/22/2020	Pace	**25.1**	**341**	<1.3	<2.2	<0.27	<0.24	**6.8**	**0.64** J2	<0.33	<0.26	<0.17	Acetone **4.2** J2
		10/8/2020	Pace	**24.6**	**370**	<1.3	<2.2	<0.27	<0.24	**8.4**	**0.51** J2	<0.33	<0.26	<0.17	Acetone **4.2** J2
Annual Monitoring Locations															
PW-42	Steinbach W2772 Zion Church Rd. Mayville	10/5/2012	Pace	<2.0	**324**	<0.31	<0.13	<0.072	<0.16	<0.080	<0.14	<0.16	<0.11	<0.16	ND
		4/2/2013	Pace	**2.2** J	**320**	<0.31	<0.13	<0.072	<0.16	<0.080	<0.14	<0.16	<0.11	<0.16	ND
		10/6/2014	Pace	**3.4** J	**327**	<0.27	<0.34	<0.087	<0.17	<0.11	<0.15	<0.12	<0.084	<0.082	ND
		10/6/2015	Pace	**3.0** J	**342**	<0.88	<0.20	<0.15	<0.17	<0.16	<0.18	<0.13	<0.19	<0.10	ND
		10/4/2016	Pace	**1.6** J	**330**	<0.18	<0.21	<0.088	<0.089	<0.085	<0.11	<0.12	<0.044	<0.098	ND
		10/3/2017	Pace	**2.3**	**328**	<0.32	<1.1	<0.14	<0.018	<0.073	<0.21	<0.12	<0.11	<0.074	ND
		10/1/2018	Pace	**1.9** J1	**322**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<-0.12	<0.086	ND
		10/9/2019	Pace	**2.8**	**327**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		10/14/2020	Pace	**1.9** J2	**330**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		10/29/2021	Pace	**1.2** J1	**333**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		10/25/2022	Pace	**1.8** J1	**339**	<0.35	<0.15	<0.25	<0.36	<0.20	<0.31	<0.17	<0.24	<0.16	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
PW-43	Hinz W2698 Zion Church Rd. Mayville	10/5/2012	Pace	**11.4**	**215**	<0.31	<0.13	<0.072	<0.16	<0.080	<0.14	<0.16	<0.11	<0.16	ND
		4/3/2013	Pace	**10.8**	**211**	<0.31	<0.13	<0.072	<0.16	<0.080	<0.14	<0.16	<0.11	<0.16	ND
		10/6/2014	Pace	**12.9**	**226**	<0.27	<0.34	<0.087	<0.17	<0.11	<0.15	<0.12	<0.084	<0.082	ND
		10/6/2015	Pace	**15**	**223**	<0.88	<0.20	<0.15	<0.17	<0.16	<0.18	<0.13	<0.19	<0.10	ND
		10/4/2016	Pace	**12.5**	**218**	<0.18	<0.21	<0.088	<0.089	<0.085	<0.11	<0.12	<0.044	<0.098	ND
		10/3/2017	Pace	**12.2**	**225**	<0.32	<1.1	<0.14	<0.18	<0.073	<0.21	<0.21	<0.11	<0.074	ND
		10/1/2018	Pace	**16.4**	**217**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		10/8/2019	Pace	**13.2**	**218**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		10/14/2020	Pace	**11.7**	**211**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		10/29/2021	Pace	**15.1**	**224**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		10/25/2022	Pace	**15.6**	**217**	<0.35	<0.15	<0.25	<0.36	<0.20	<0.31	<0.17	<0.24	<0.16	ND
PW-44	Christian N7686 Ekren Rd. Mayville	10/5/2012	Pace	<2.0	**291**	<0.31	<0.13	<0.072	<0.16	<0.080	<0.14	<0.16	<0.11	<0.16	ND
		4/2/2013	Pace	**2.3** J	**316**	<0.31	<0.13	<0.072	<0.16	<0.080	<0.14	<0.16	<0.11	<0.16	ND
		10/6/2014	Pace	**2.9** J	**319**	<0.27	<0.34	<0.087	<0.17	<0.11	<0.15	<0.12	<0.084	<0.082	ND
		10/6/2015	Pace	**2.7** J	**342**	<0.88	<0.20	<0.15	<0.17	<0.16	<0.18	<0.13	<0.19	<0.10	ND
		10/4/2016	Pace	**1.2** J	**326**	<0.18	<0.21	<0.088	<0.089	<0.085	<0.11	<0.12	<0.044	<0.098	ND
		10/3/2017	Pace	**1.6** J	**332**	<0.32	<1.1	<0.14	<0.18	<0.073	<0.21	<0.12	<0.11	<0.074	ND
		10/1/2018	Pace	**1.3** J1	**316**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	Styrene **0.92**
		10/8/2019	Pace	**2**	**323**	<0.14	<0.15	<0.16	<0.19	<0.14	<0.18	<0.17	<0.12	<0.086	ND
		10/14/2020	Pace	**1.4** J2	**330**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		10/29/2021	Pace	**1.4** J1	**338**	<2.7	<0.40	<0.28	<0.28	<0.35	<0.24	<0.27	<0.46	<0.19	ND
		10/25/2022	Pace	**1.1** J1	**334**	<0.35	<0.15	<0.25	<0.36	<0.20	<0.31	<0.17	<0.24	<0.16	ND
Non-Routine Monitoring Locations															
PW-1	Church View Farms J. Qualmann N7110 Hwy. V Horicon	4/7/2009	NLS	**34**	**240**	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
PW-3	Horicon Marsh Bowmen N7240 Hwy. V	4/30/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
PW-4	Advanced Disposal N7271 Hwy. V Horicon	4/3/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
None	Wondra N7877 Hwy 67 Mayville	10/22/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	Chloroform **0.36**
PW-18	Advanced Disposal N7785 Hwy. 67 Mayville	4/3/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs
PW-18 Hand Pump	Advanced Disposal N7785 Hwy. 67 Mayville	4/3/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
PW-24	St. John's Lutheran Church N7074 Hwy. V	4/30/2009	NLS	**33**	**320**	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	**0.3** J	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
PW-26	Goodearle W3653 Decora Rd. Horicon	4/30/2009	NLS	**13**	**310**	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
PW-29	Persha N7241 Hwy. 67 Mayville	4/3/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
PW-30	Wendorff N7306 Hwy. 67 Mayville	6/23/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
PW-31	Wendorff N7306 Hwy. 67 Mayville	4/3/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
PW-33	Lagerman W3230 STH 33 Iron Ridge	4/3/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
PW-34	R H Equipment N7123 Hwy. 67 Mayville	4/13/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
PW-35	Lewis N7143 Hwy. 67 Mayville	4/13/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
PW-36	Mayville Animal Clinic N7860 Hwy. 67 Mayville	4/21/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND
PW-37	Halsne N7817 Hwy. 67 Mayville	4/30/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND
			CT	--	--	<0.40	**0.40** J	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022
(Results are in µg/L, except where otherwise noted)

Note: See last page for abbreviations, notes, and groundwater standards.

Well Number	Well Owner	Sample Date	Lab	Chloride (mg/L)	Alkalinity (mg/L)	Chloroethane	Chloromethane	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride	Other VOCs	
PW-Office Well	Advanced Disposal N7296 Hwy. V Horicon	4/7/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	**3.5**	<0.25	<0.19	1,4 Dichlorobenzene	**0.27** J
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	**3.3**	<0.24	<0.11	1,4 Dichlorobenzene	**0.22** J
		4/30/2009	NLS	--	--	<0.95	<0.16	<0.25	<0.18	<0.10	<0.28	<0.20	<0.25	<0.19	ND	
			CT	--	--	<0.40	<0.22	<0.21	<0.24	<0.21	<0.27	<0.30	<0.24	<0.11	ND	
NR 140 Groundwater Enforcement Standard				250	NS	400	30	850	7	70	100	5	5	0.2	1,2-Dichloroethane	5
															1,4 Dichlorobenzene	75
															Benzene	5
															Chloroform	6
															Chlorobenzene	100
															Methyl-tert-butyl ether	60
															Methylene Chloride	5
															Styrene	100
															Toluene	800
															Trimethylbenzenes	480
															Acetone	9000
Drinking Water Standard (Maximum Contaminant Level)				250	NS	NS	NS	NS	7	70	100	5	5	0.2	1,2-Dichloroethane	5
															1,4 Dichlorobenzene	75
															Benzene	5
															Chloroform (TTHM)	80
															Methylene Chloride	5
															Styrene	100
															Toluene	1,000
															Acetone	NE

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Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2022

Abbreviations:
NS = No standard established
TTHM = Trihalomethanes (disinfection byproducts including chloroform)
ND = Not detected
mg/L = Milligrams per Liter
µg/L = Micrograms per Liter
-- = Not Analyzed

CT = CT Laboratories, Baraboo, WI
NLS = Northern Lake Service, Inc., Crandon, WI
Siemens = Siemens Water Technologies
TA = TestAmerica, Watertown, WI
Pace = Pace Analytical Services, Inc., Green Bay, WI

Bold indicates detected compound.
Bold and underline indicates result above drinking water standard.

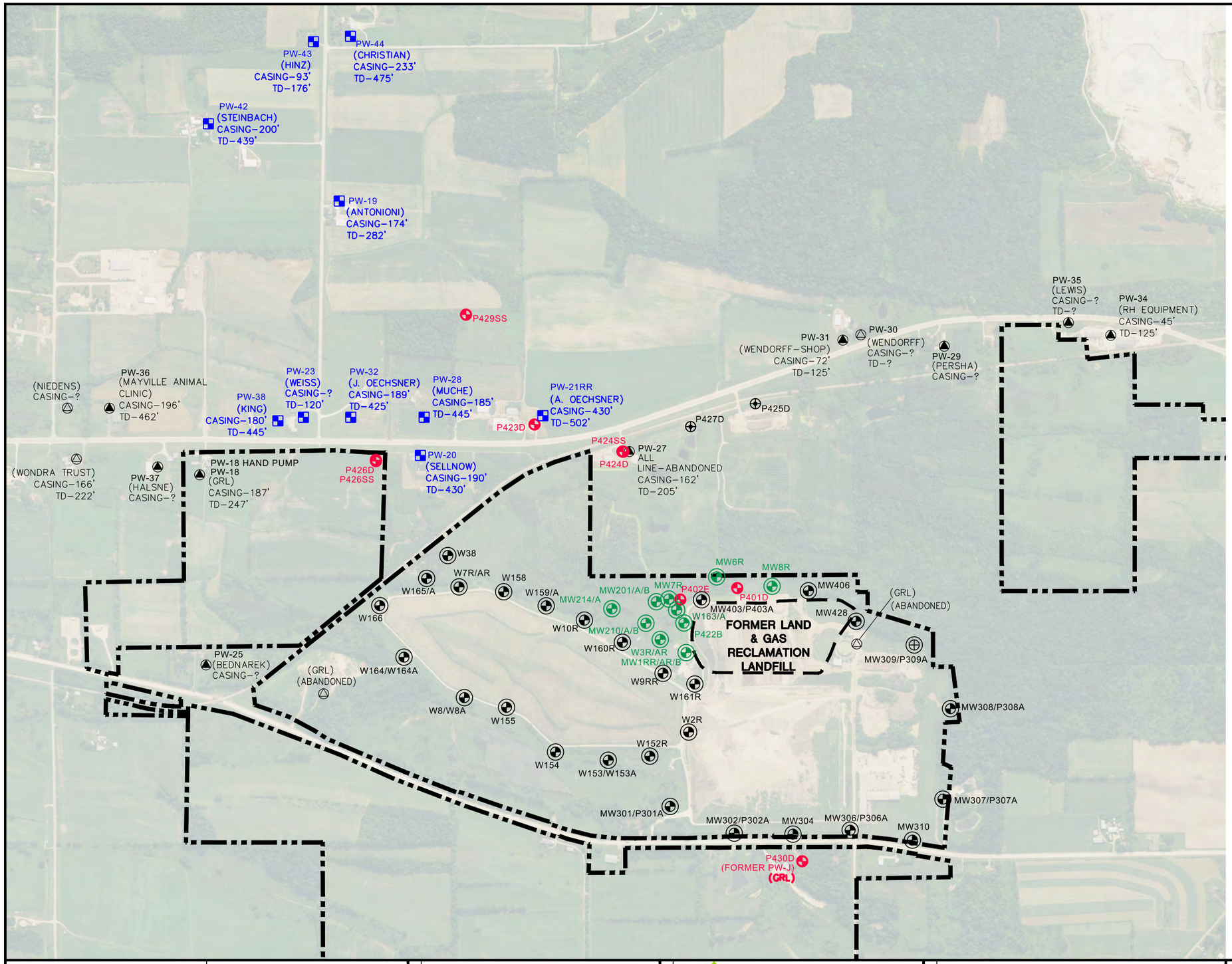
Notes:
* Sample collected at the pressure tank prior to the iron filtration system.
** Sample collected at the kitchen tap after the water passed through the iron filtration system.

Laboratory Notes/Qualifiers:
B = Compound also detected in blank sample
J = Estimated value below laboratory limit of quantitation
J1 = Estimated concentration at or above the Limit of Detection (LOD) and below the Limit of Quantitation (LOQ).
J2 = Result enclosed in brackets is between the Limit of Detection (LOD) and Limit of Quantitation (LOQ), and region of less certain quantitation.
H1 = Analysis conducted outside the recognized method holding time. Analyzed 2 days outside of hold time.
L2 = Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
L3 = Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1 = Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M0 = Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
N2 = The lab does not hold The Nelac Institute (NELAC/TNI) accreditation for this parameter.

Created by:	JSN	Date:	4/27/2009
Last revision by:	EO	Date:	5/23/2023
Checked by:	RM	Date:	5/23/2023
Proj Mgr QA/QC:	EO	Date:	5/23/2023

I:\25223008.02\Deliverables\2022 Annual Report\Tables\[Table 4_Water Supply Well VOCs.xlsx]Notes

Figures



N

1,000 0 1,000

SCALE: 1" = 1,000'

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 — WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) — WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- SHALLOW AQUIFER MONITORING WELL/NEST (LGRL MONITORING/INVESTIGATION)
- SHALLOW AQUIFER MONITORING WELL/NEST (GRL MONITORING)
- ABANDONED SHALLOW AQUIFER MONITORING WELL/NEST
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)

NOTES:

1. AERIAL PHOTOGRAPH FROM THE NATIONAL AGRICULTURE IMAGERY PROGRAM AND PUBLISHED BY THE USDA FSA AERIAL PHOTOGRAPHY FIELD OFFICE. DATE OF IMAGE IS OCTOBER 30, 2015.
2. PROPERTY BOUNDARIES ARE APPROXIMATE. PROPERTY INFORMATION OBTAINED FROM DODGE COUNTY LAND INFORMATION OFFICE ON FEBRUARY 6, 2020.
3. PRIVATE WELL LOCATIONS AND DEPTHS ARE APPROXIMATE BASED ON PLAT MAPS AND WELL LOGS.
4. WELL PW-27 AND BOREHOLES P425D AND P427D WERE ABANDONED IN APRIL 2016.
5. GRL MONITORING WELLS SHOWN ARE NOT PART OF THE LGRL INVESTIGATION BUT ARE USED TO PROVIDE SUPPLEMENTAL INFORMATION ON GROUNDWATER FLOW AND LIMITS OF LGRL IMPACTS ON GROUNDWATER.
6. PW-J WAS HISTORICALLY MONITORED FOR GRL. OTHER GRL PRIVATE WELL SAMPLE LOCATIONS NOT SHOWN.

PROJECT NO.	25223008.02	DRAWN BY:	KP
DRAWN:	04/19/2021	CHECKED BY:	EO
REVISED:	05/17/2023	APPROVED BY:	EO

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

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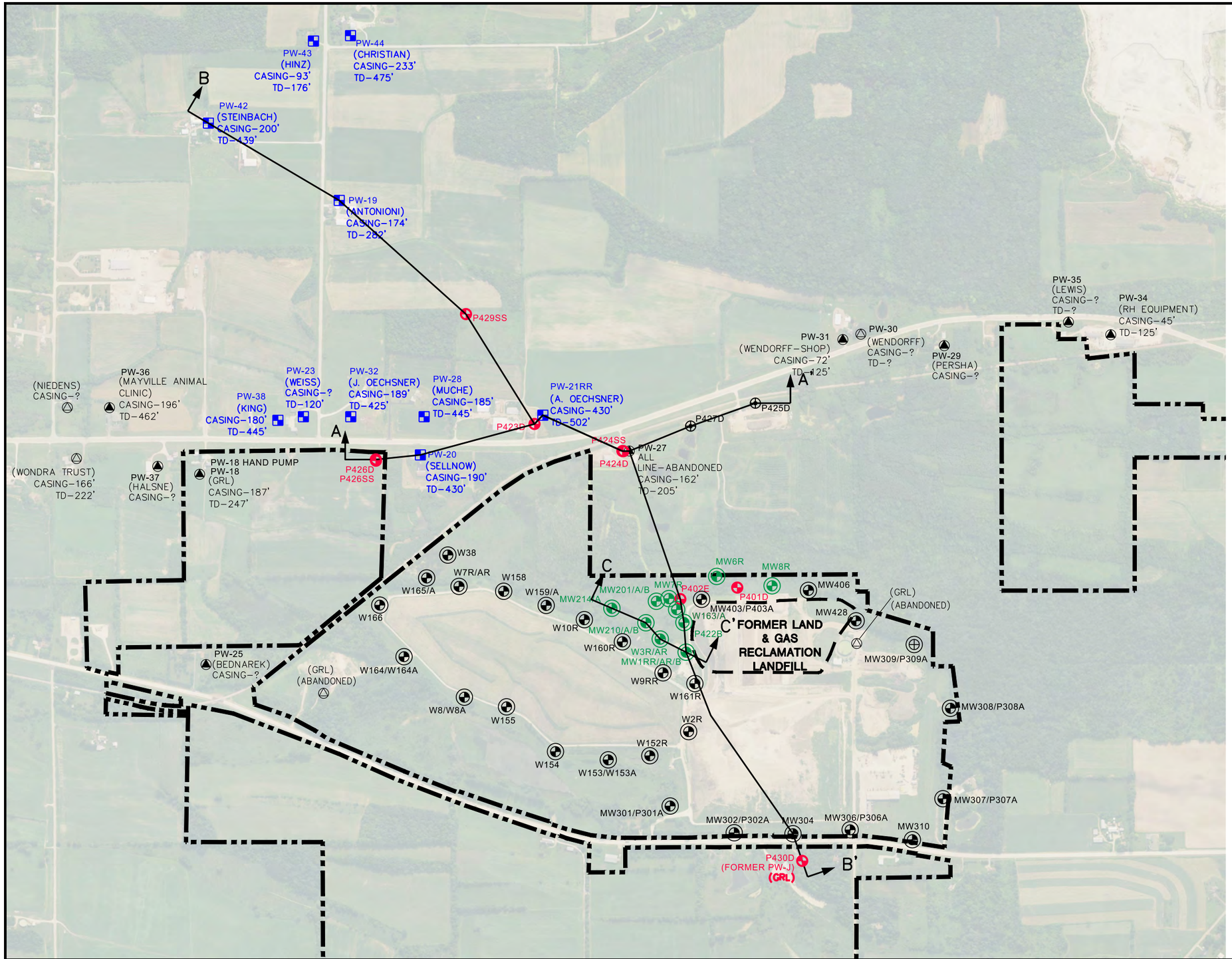
DODGE COUNTY, WISCONSIN

MONITORING WELL AND
PRIVATE WELL LOCATIONS

FIGURE
1

I:\25223008.02\Drawings\Monitoring Well Locations.dwg, 5/25/2023 10:03:25 AM



1,000 0 1,000

SCALE: 1" = 1,000'

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 — WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) — WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- SHALLOW AQUIFER MONITORING WELL/NEST (LGRL MONITORING/INVESTIGATION)
- SHALLOW AQUIFER MONITORING WELL/NEST (GRL MONITORING)
- ABANDONED SHALLOW AQUIFER MONITORING WELL/NEST
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)
- CROSS SECTION LOCATION

NOTES:

1. SEE FIGURE 1, MONITORING WELL AND PRIVATE WELL LOCATIONS, FOR BASE MAP NOTES.

PROJECT NO.	25221008.02	DRAWN BY:	KP
DRAWN:	04/19/2021	CHECKED BY:	EO
REVISED:	04/22/2022	APPROVED BY:	EO

ENGINEER: SCS ENGINEERS, 2830 DAIRY DRIVE MADISON, WI 53718-6751, PHONE: (608) 224-2830

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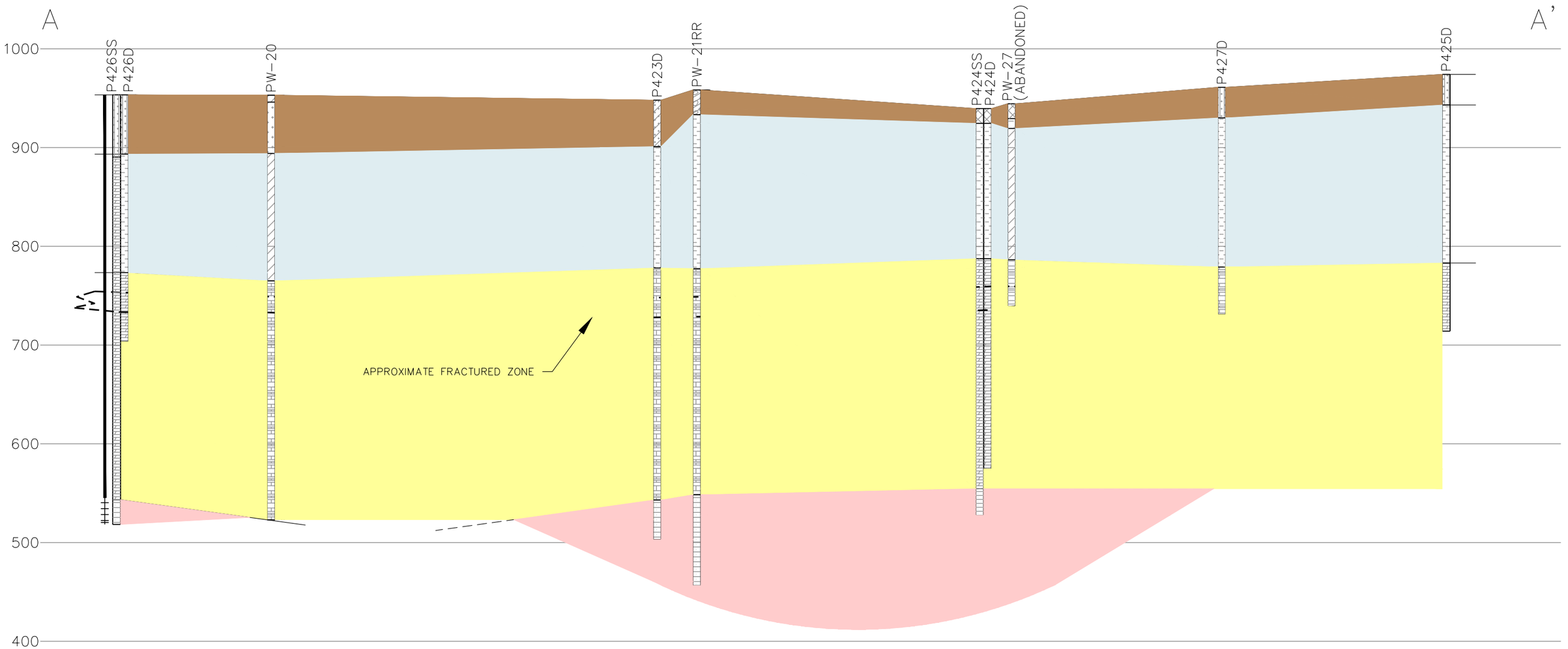
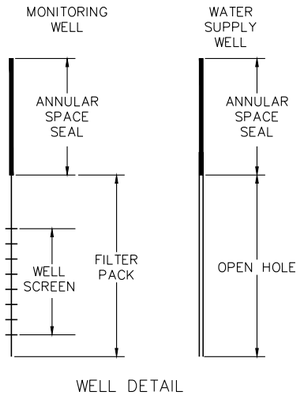
CROSS SECTION LOCATION MAP

FIGURE 2

I:\25223008.02\Drawings\Monitoring Well Locations.dwg, 5/25/2023 10:04:00 AM





WELL DETAIL

NOTES:

1. THE PORTION OF ANY BOREHOLE EXTENDING BELOW THE MONITORING WELL SCREEN AND FILTER PACK WAS BACKFILLED WITH BENTONITE CHIPS PRIOR TO WELL CONSTRUCTION.
2. MONITORING WELL P423D WAS INSTALLED IN FORMER WATER SUPPLY WELL PW-21R AFTER BACKFILLING THE LOWER PORTION WITH BENTONITE CHIPS.
3. APPROXIMATE FRACTURED ZONE BASED ON BOREHOLE LOGGING AND PACKER PUMPING TEST IN MONITORING WELL BOREHOLES AND PW-27. THE ZONE IS INFERRED AT PW-20 AND PW-21RR, WHICH WERE NOT TESTED.

0 300

HORIZONTAL SCALE: 1" = 300'
VERTICAL SCALE: 1" = 100'
VERTICAL EXAGGERATION = 3X

LEGEND

- SILTY SAND
- SHALE
- DOLOMITE
- LIMESTONE
- LEAN CLAY
- SAND, WELL GRADED
- SAND WITH GRAVEL
- SANDSTONE
- CLAYEY CRAVEL
- FILL

PROJECT NO.	25223008.02	DRAWN BY:	BSS
DRAWN:	04/19/2021	CHECKED BY:	EO
REVISED:	05/17/2023	APPROVED BY:	EO

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: GFL GLACIER RIDGE LANDFILL, LLC.

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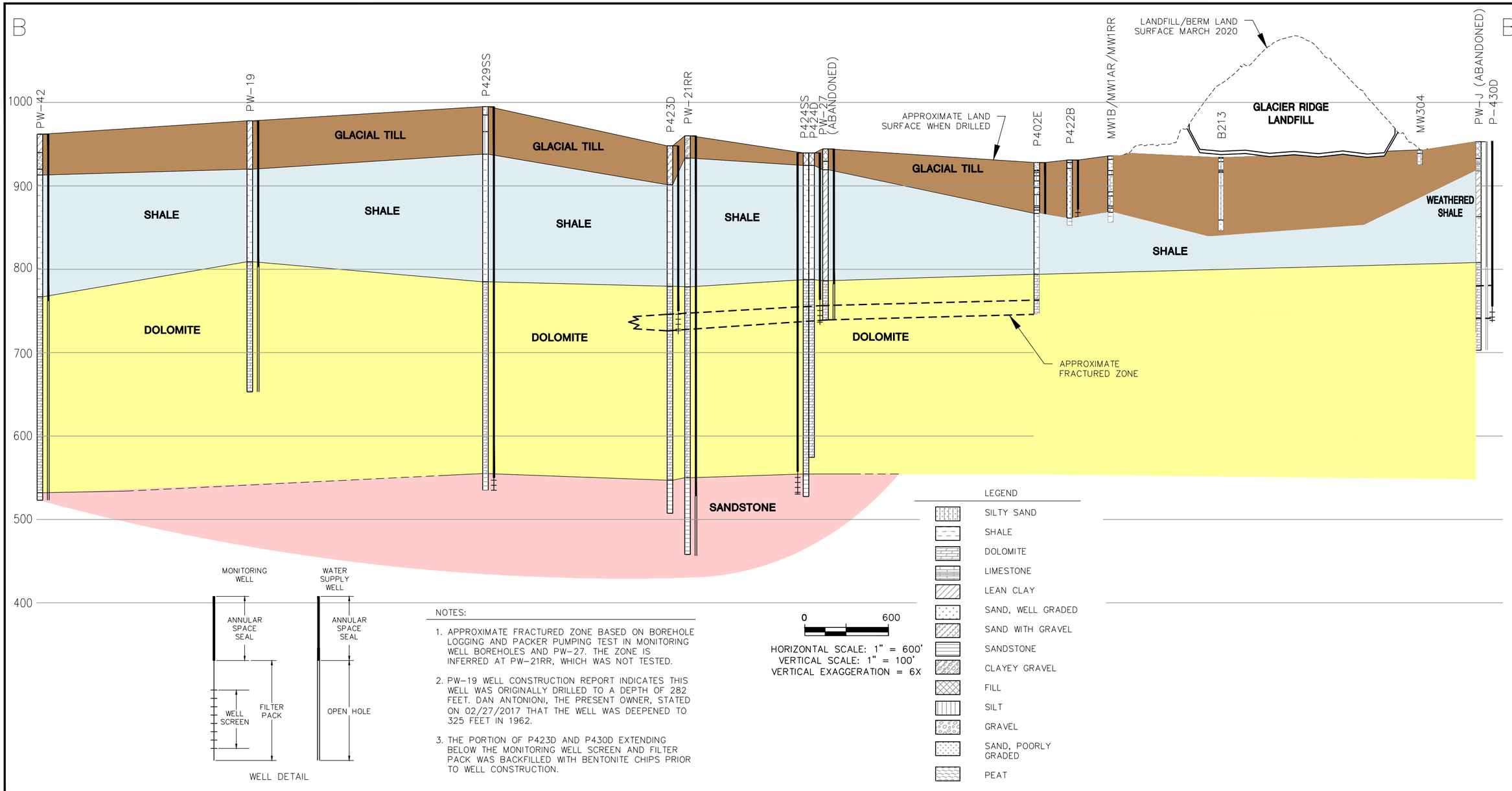
CROSS SECTION A-A'

FIGURE 3

I:\25223008.02\Drawings\Cross Sections.dwg, 5/25/2023 10:07:11 AM



WELL DETAIL

NOTES:

1. APPROXIMATE FRACTURED ZONE BASED ON BOREHOLE LOGGING AND PACKER PUMPING TEST IN MONITORING WELL BOREHOLES AND PW-27. THE ZONE IS INFERRED AT PW-21RR, WHICH WAS NOT TESTED.
2. PW-19 WELL CONSTRUCTION REPORT INDICATES THIS WELL WAS ORIGINALLY DRILLED TO A DEPTH OF 282 FEET. DAN ANTONIONI, THE PRESENT OWNER, STATED ON 02/27/2017 THAT THE WELL WAS DEEPENED TO 325 FEET IN 1962.
3. THE PORTION OF P423D AND P430D EXTENDING BELOW THE MONITORING WELL SCREEN AND FILTER PACK WAS BACKFILLED WITH BENTONITE CHIPS PRIOR TO WELL CONSTRUCTION.

0 600

HORIZONTAL SCALE: 1" = 600'
VERTICAL SCALE: 1" = 100'
VERTICAL EXAGGERATION = 6X

LEGEND

- SILTY SAND
- SHALE
- DOLOMITE
- LIMESTONE
- LEAN CLAY
- SAND, WELL GRADED
- SAND WITH GRAVEL
- SANDSTONE
- CLAYEY GRAVEL
- FILL
- SILT
- GRAVEL
- SAND, POORLY GRADED
- PEAT

PROJECT NO.	25223008.02	DRAWN BY:	BSS/KP
DRAWN:	04/19/2021	CHECKED BY:	EO
REVISED:	05/17/2023	APPROVED BY:	EO

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

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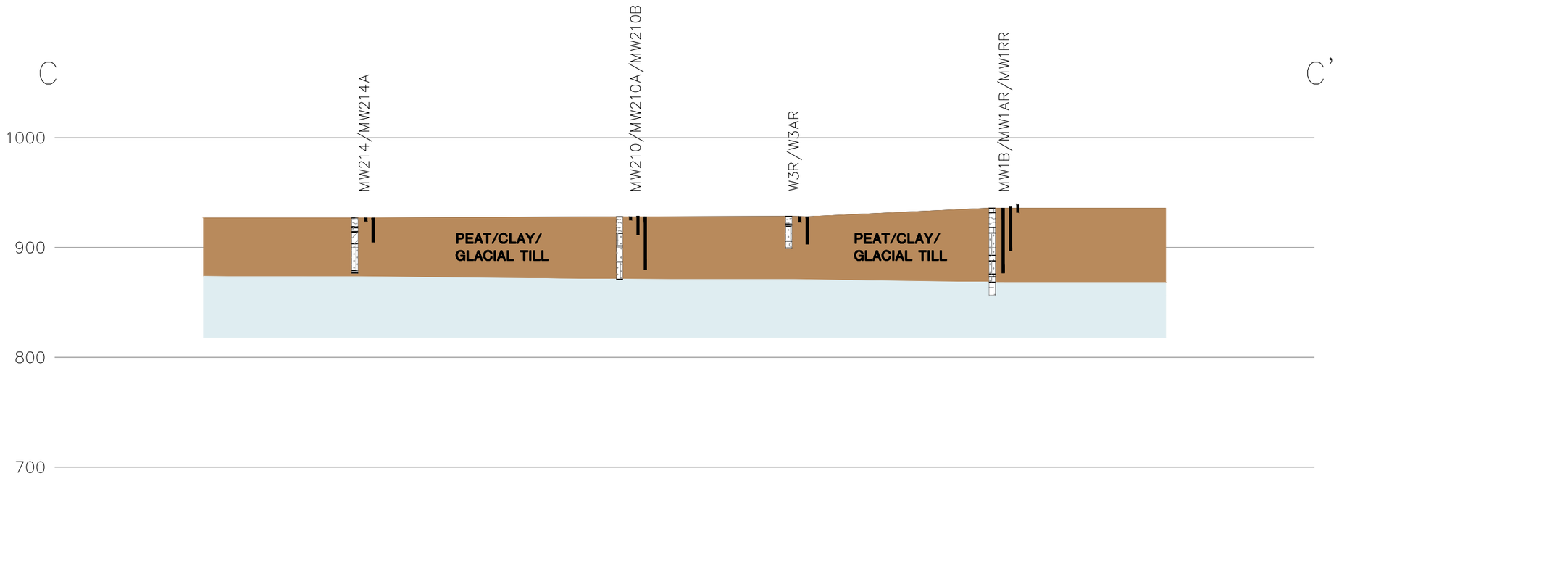
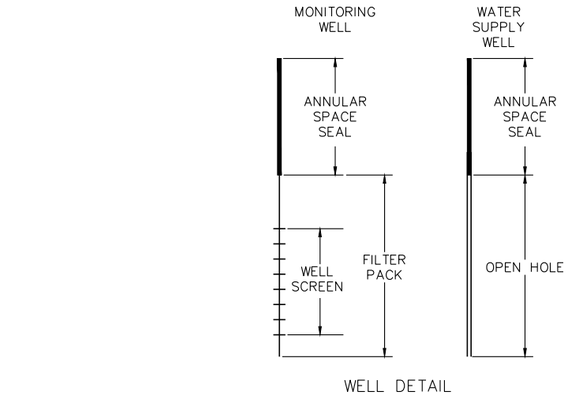
CROSS SECTION B-B'

FIGURE 4

I:\25223008.02\Drawings\Cross Sections.dwg, 5/25/2023 10:07:30 AM





WELL DETAIL

0 150

HORIZONTAL SCALE: 1" = 150'
VERTICAL SCALE: 1" = 100'
VERTICAL EXAGGERATION = 1.5X

LEGEND

- SILTY SAND
- SHALE
- DOLOMITE
- LIMESTONE
- LEAN CLAY
- SAND, WELL GRADED
- SAND WITH GRAVEL
- SANDSTONE
- CLAYEY GRAVEL
- FILL
- SILT
- GRAVEL
- SAND, POORLY GRADED
- PEAT

PROJECT NO.	25223008.02	DRAWN BY:	BSS
DRAWN:	04/19/2021	CHECKED BY:	EO
REVISED:	05/17/2023	APPROVED BY:	EO

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: GLACIER RIDGE LANDFILL, LLC.

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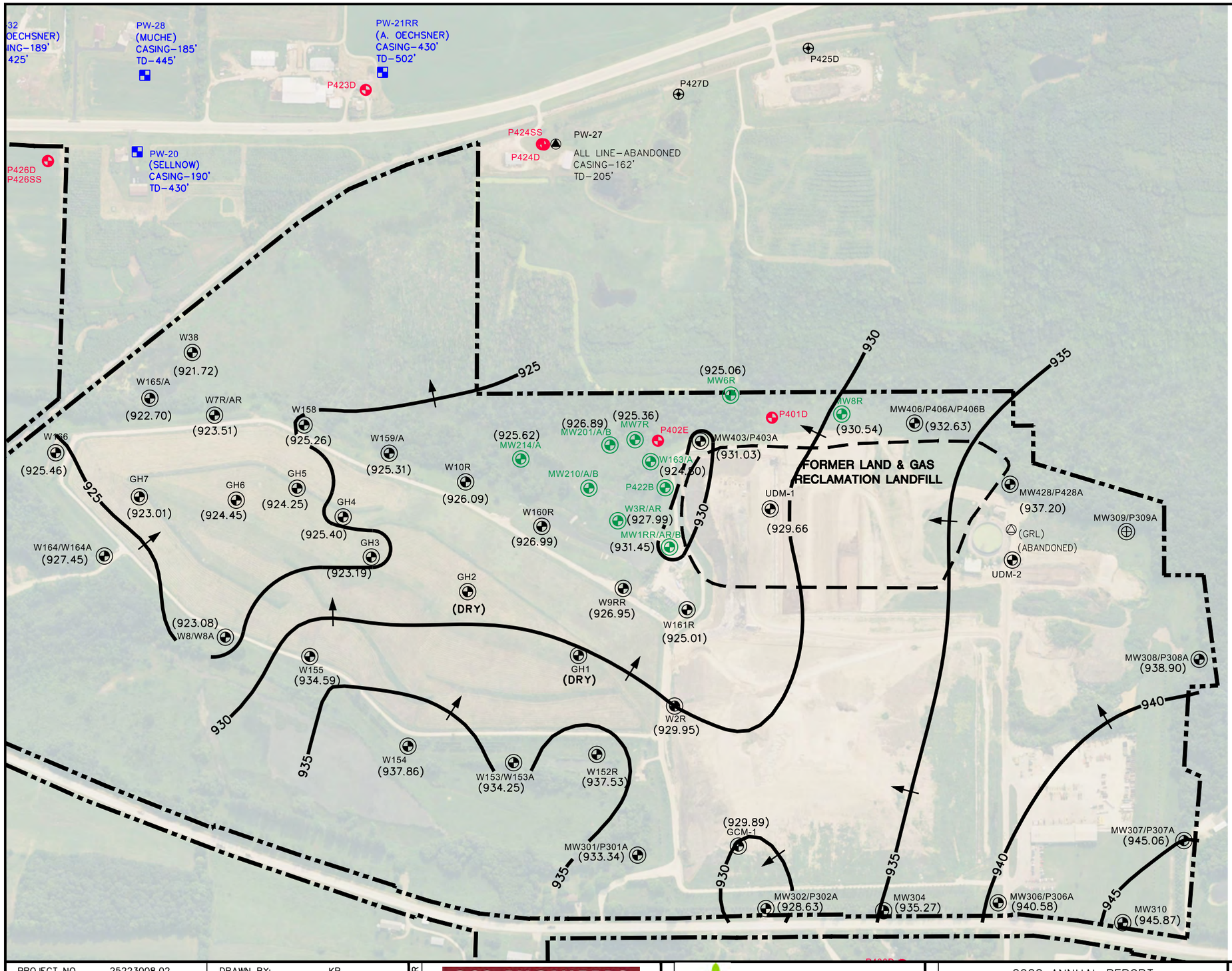
DODGE COUNTY, WISCONSIN

CROSS SECTION C-C'

FIGURE 5

I:\25223008.02\Drawings\Cross Sections.dwg, 5/25/2023 10:08:03 AM



N

500 0 500

SCALE: 1" = 500'

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 — WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) — WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- SHALLOW AQUIFER MONITORING WELL/NEST (LGRL MONITORING/INVESTIGATION)
- SHALLOW AQUIFER MONITORING WELL/NEST OR HORIZONTAL WELL (GRL MONITORING)
- ABANDONED SHALLOW AQUIFER MONITORING WELL/NEST OR HORIZONTAL WELL
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)
- (939.32) — WATER TABLE ELEVATION MEASURED OCTOBER 2022
- WATER TABLE ELEVATION CONTOUR (5' INTERVAL)

NOTES:

1. SEE FIGURE 1, MONITORING WELL AND PRIVATE WELL LOCATIONS, FOR BASE MAP NOTES.

PROJECT NO.	25223008.02	DRAWN BY:	KP
DRAWN:	05/17/2023	CHECKED BY:	EO
REVISED:	05/22/2023	APPROVED BY:	EO

ENGINEER: SCS ENGINEERS, 2830 DAIRY DRIVE MADISON, WI 53718-6751, PHONE: (608) 224-2830

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

SITE: 2022 ANNUAL REPORT, LAND AND GAS RECLAMATION LANDFILL, DODGE COUNTY, WISCONSIN

SHALLOW GROUNDWATER ELEVATIONS AND WATER TABLE – OCTOBER 2022

FIGURE 6

I:\25223008.02\Drawings\Shallow Wtbl.dwg, 5/25/2023 10:09:04 AM

N

800 0 800

SCALE: 1" = 800'

PW-19
(ANTONIONI)
CASING-174'
TD-282'

P429SS

PW-36
(MAYVILLE ANIMAL CLINIC)
CASING-196'
TD-462'

PW-38
(KING)
CASING-180'
TD-445'

PW-23
(WEISS)
CASING-?
TD-120'

PW-32
(J. OECHSNER)
CASING-189'
TD-425'

PW-28
(MUCHE)
CASING-185'
TD-445'

PW-21RR
(A. OECHSNER)
CASING-430'
TD-502'

850.5

P423D
(850.34)

P425D

P427D

851.0

P424SS

P424D
(850.88)

PW-27
ALL LINE-ABANDONED
CASING-162'
TD-205'

PW-31
(WENDORFF-SHOP)
CASING-72'
TD-125'

PW-30
(WENDORFF)
CASING-?
TD-?

PW-29
(PERSHA)
CASING-?

PW-3
(LEWI
CASIN
TD-?

PW-37
(HALSNE)
CASING-?

PW-18 HAND PUMP
PW-18
(GRL)
CASING-187'
TD-247'

(850.35)
P426D
P426SS

PW-20
(SELLNOW)
CASING-190'
TD-430'

851.5

P402E
(851.93)

P401D
(851.95)

855

(GRL)
(ABANDONED)

FORMER LAND &
GAS
RECLAMATION
LANDFILL

860

865

870

875

880

885

PW-25
(BEDNAREK)
CASING-?

(GRL)
(ABANDONED)

P430D
(FORMER PW-J)
(GRL) (888.84)

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 — WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) — WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)
- (849.25) — DOLOMITE GROUNDWATER ELEVATION
- DOLOMITE GROUNDWATER ELEVATION CONTOUR (0.5' INTERVAL)
- DOLOMITE GROUNDWATER ELEVATION CONTOUR (5' INTERVAL)

NOTES:

1. SEE FIGURE 1, MONITORING WELL AND PRIVATE WELL LOCATIONS, FOR BASE MAP NOTES.
2. GROUNDWATER ELEVATION MEASUREMENTS WERE TAKEN ON APRIL 7, 8, 28, 2022.

PROJECT NO.	25223008.02	DRAWN BY:	KP
DRAWN:	05/17/2023	CHECKED BY:	EO
REVISED:	05/17/2023	APPROVED BY:	EO

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

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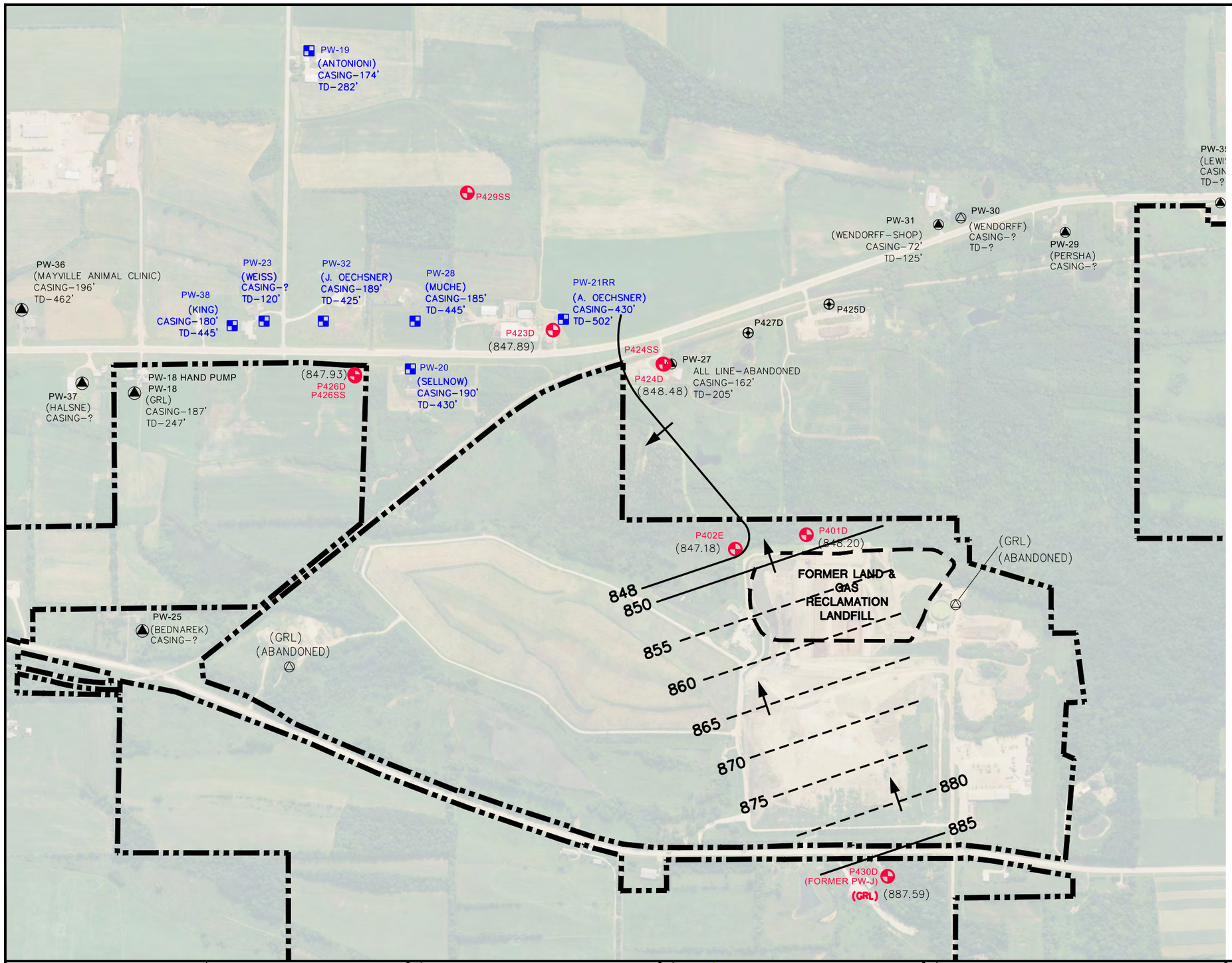
DODGE COUNTY, WISCONSIN

DOLOMITE BEDROCK GROUNDWATER ELEVATIONS AND POTENTIOMETRIC SURFACE CONTOURS – APRIL 2022

FIGURE 7

I:\25223008.02\Drawings\BEDROCK WTBL (Dolomite).dwg, 5/25/2023 10:09:59 AM



N

800 0 800

SCALE: 1" = 800'

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 — WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) — WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)
- (849.94) — DOLOMITE GROUNDWATER ELEVATION
- DOLOMITE GROUNDWATER ELEVATION CONTOUR (0.5' INTERVAL)
- DOLOMITE GROUNDWATER ELEVATION CONTOUR (5' INTERVAL)

NOTES:

1. SEE FIGURE 1, MONITORING WELL AND PRIVATE WELL LOCATIONS, FOR BASE MAP NOTES.
2. GROUNDWATER ELEVATION MEASUREMENTS WERE TAKEN ON OCTOBER 7 AND 30, 2022.

PROJECT NO.	25223008.02	DRAWN BY:	KP
DRAWN:	05/17/2023	CHECKED BY:	EO
REVISED:	05/17/2023	APPROVED BY:	EO

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

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DOLOMITE BEDROCK GROUNDWATER ELEVATIONS AND POTENTIOMETRIC SURFACE CONTOURS – OCTOBER 2022

FIGURE 8

I:\25223008.02\Drawings\BEDROCK WTBL (Dolomite).dwg, 5/25/2023 1:40:46 PM

N

800 0 800

SCALE: 1" = 800'

PW-19
(ANTONIONI)
CASING-174'
TD-282'

845
846
847
848
849
850

P429SS
(844.99)

PW-36
(MAYVILLE ANIMAL CLINIC)
CASING-196'
TD-462'

PW-38
(KING)
CASING-180'
TD-445'

PW-23
(WEISS)
CASING-?
TD-120'

PW-32
(J. OECHSNER)
CASING-189'
TD-425'

PW-28
(MUCHE)
CASING-185'
TD-445'

PW-21RR
(A. OECHSNER)
CASING-430'
TD-502'

P423D

(850.28)
P424SS
P424D

P427D

PW-27
ALL LINE-ABANDONED
CASING-162'
TD-205'

P425D

PW-31
(WENDORFF-SHOP)
CASING-72'
TD-125'

PW-30
(WENDORFF)
CASING-?
TD-?

PW-29
(PERSHA)
CASING-?

PW-3
(LEWI
CASIN
TD-?

PW-37
(HALSNE)
CASING-?

PW-18 HAND PUMP
PW-18
(GRL)
CASING-187'
TD-247'

P426D
P426SS
(847.75)

PW-20
(SELLNOW)
CASING-190'
TD-430'

P402E
P401D
W163/A

FORMER LAND & GAS RECLAMATION LANDFILL

(GRL)
(ABANDONED)

PW-25
(BEDNAREK)
CASING-?

(GRL)
(ABANDONED)

P430D
(FORMER PW-J)
(GRL)

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 — WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) — WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)
- (849.25) — SANDSTONE GROUNDWATER ELEVATION
- SANDSTONE GROUNDWATER ELEVATION CONTOUR (1' INTERVAL)

NOTES:

1. SEE FIGURE 1, MONITORING WELL AND PRIVATE WELL LOCATIONS, FOR BASE MAP NOTES.
2. GROUNDWATER ELEVATION MEASUREMENTS WERE TAKEN ON APRIL 7, 8, AND 28, 2022.

PROJECT NO.	25223008.02	DRAWN BY:	KP
DRAWN:	05/17/2023	CHECKED BY:	EO
REVISED:	05/17/2023	APPROVED BY:	EO

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

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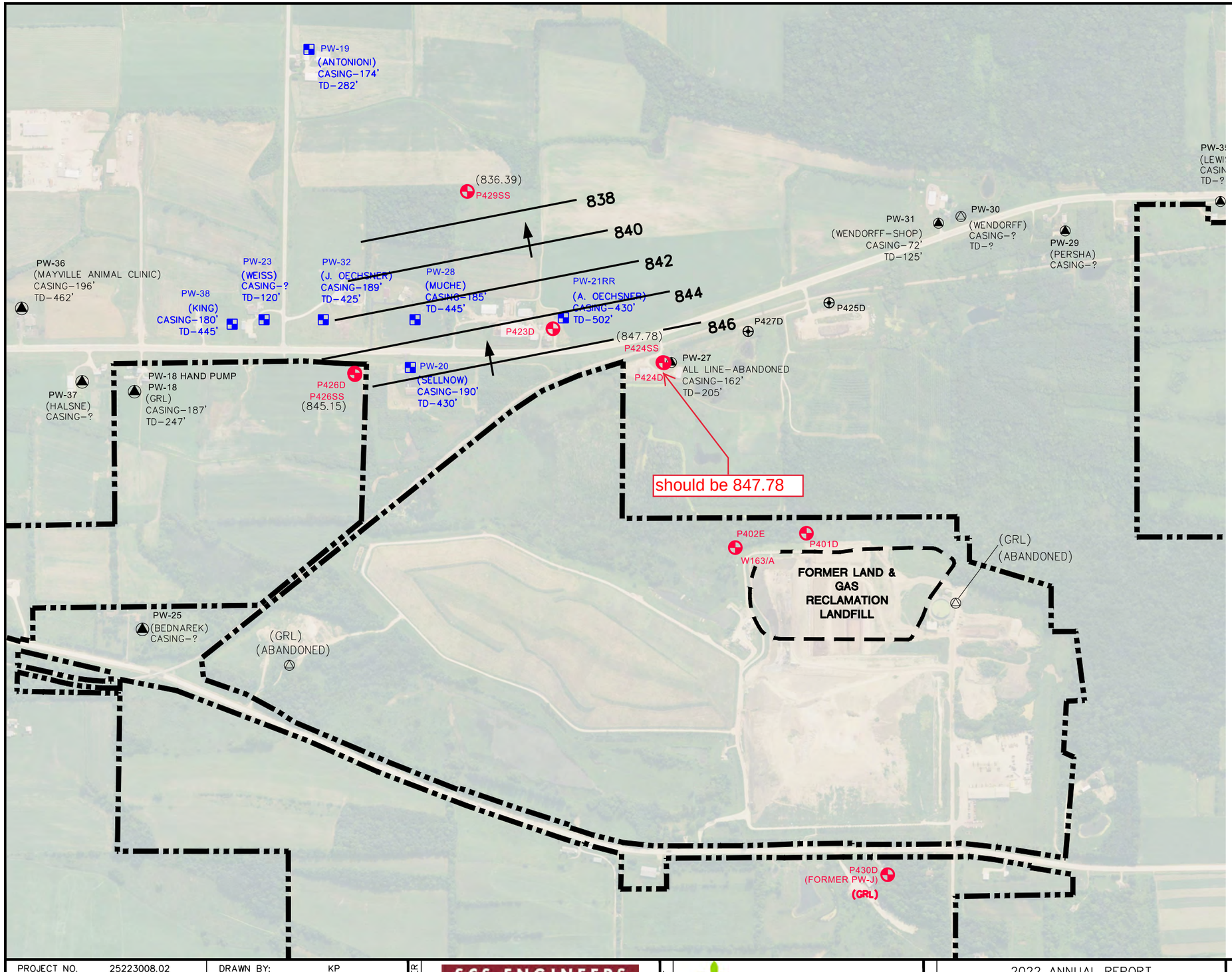
SANDSTONE BEDROCK GROUNDWATER ELEVATIONS AND POTENTIOMETRIC SURFACE CONTOURS – APRIL 2022

FIGURE 9

I:\25223008.02\Drawings\BEDROCK WTBL (Sandstone).dwg, 5/25/2023 10:15:19 AM



N

800 0 800

SCALE: 1" = 800'

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 — WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) — WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)
- (849.94) — SANDSTONE GROUNDWATER ELEVATION
- SANDSTONE GROUNDWATER ELEVATION CONTOUR (2' INTERVAL)

NOTES:

1. SEE FIGURE 1, MONITORING WELL AND PRIVATE WELL LOCATIONS, FOR BASE MAP NOTES.
2. GROUNDWATER ELEVATION MEASUREMENTS WERE TAKEN ON OCTOBER 7 AND 30, 2022.

PROJECT NO.	25223008.02	DRAWN BY:	KP
DRAWN:	05/17/2023	CHECKED BY:	EO
REVISED:	05/17/2023	APPROVED BY:	EO

ENGINEER: SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

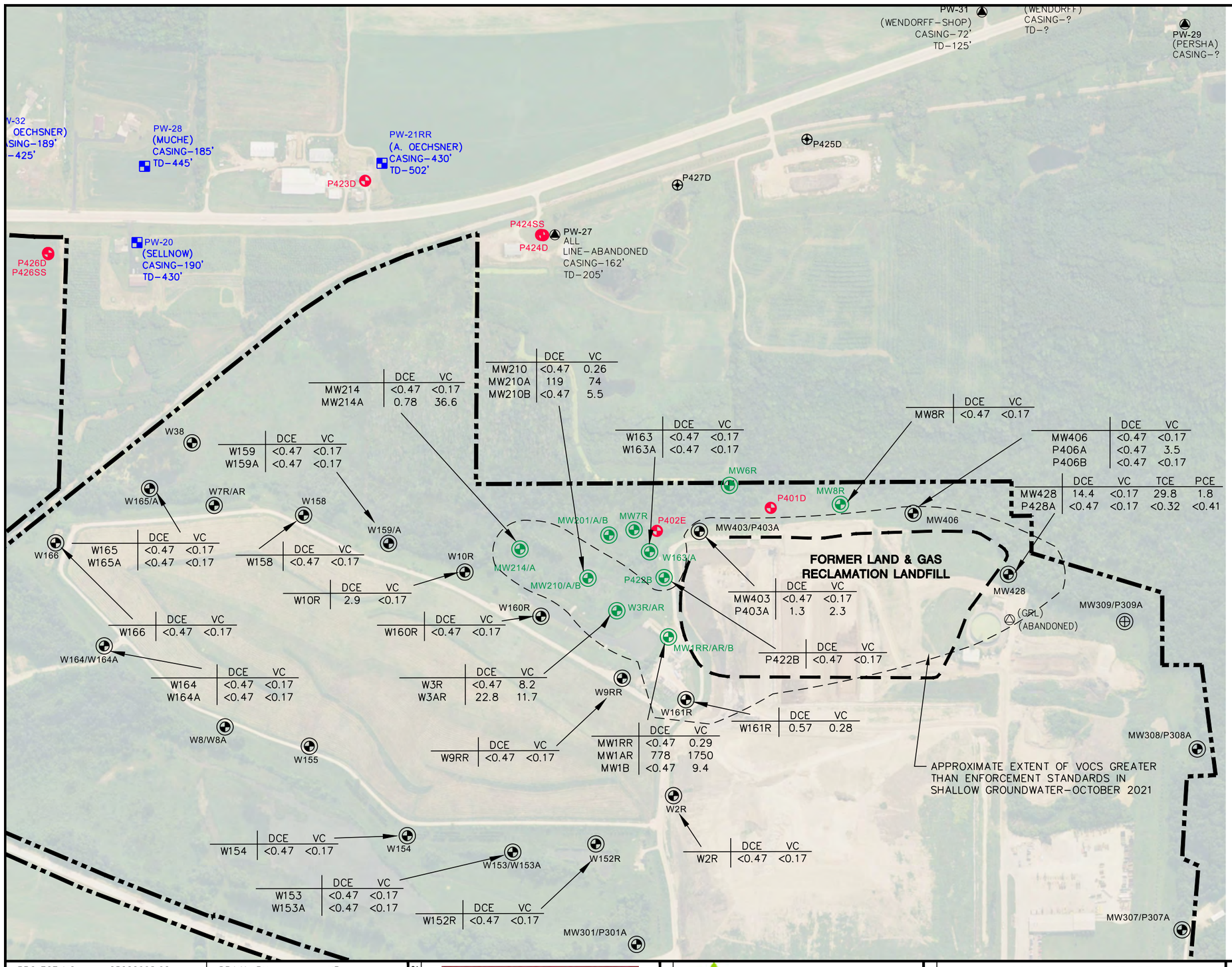
CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

SITE: 2022 ANNUAL REPORT
LAND AND GAS RECLAMATION LANDFILL
DODGE COUNTY, WISCONSIN

SANDSTONE BEDROCK GROUNDWATER ELEVATIONS AND POTENTIOMETRIC SURFACE CONTOURS – OCTOBER 2022

FIGURE 10

I:\25223008.02\Drawings\BEDROCK WTBL (Sandstone).dwg, 5/25/2023 11:09:46 AM



N

500 0 500

SCALE: 1" = 500'

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- SHALLOW AQUIFER MONITORING WELL/NEST (LGRL MONITORING/INVESTIGATION)
- SHALLOW AQUIFER MONITORING WELL/NEST (GRL MONITORING)
- ABANDONED SHALLOW AQUIFER MONITORING WELL/NEST
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)
- DCE CIS-1,2-DICHLOROETHYLENE (µg/L) (PAL=7; ES=70)
- VC VINYL CHLORIDE (µg/L) (PAL=0.02; ES=0.2)
- TCE TRICHLOROETHYLENE (µg/L) (PAL=0.5; ES=5)
- PCE TETRACHLOROETHYLENE (µg/L) (PAL=0.5; ES=5)

NOTES:

1. SEE FIGURE 1, MONITORING WELL AND PRIVATE WELL LOCATIONS, FOR BASE MAP NOTES.
2. VOC RESULTS ARE NOT SHOWN FOR ALL WELLS. VOC RESULTS SHOWN ARE FROM OCTOBER 2022 SAMPLING EVENT.

PROJECT NO.	25222008.02	DRAWN BY:	KP
DRAWN:	04/19/2021	CHECKED BY:	EO
REVISED:	04/22/2022	APPROVED BY:	EO

ENGINEER: SCS ENGINEERS, 2830 DAIRY DRIVE MADISON, WI 53718-6751, PHONE: (608) 224-2830

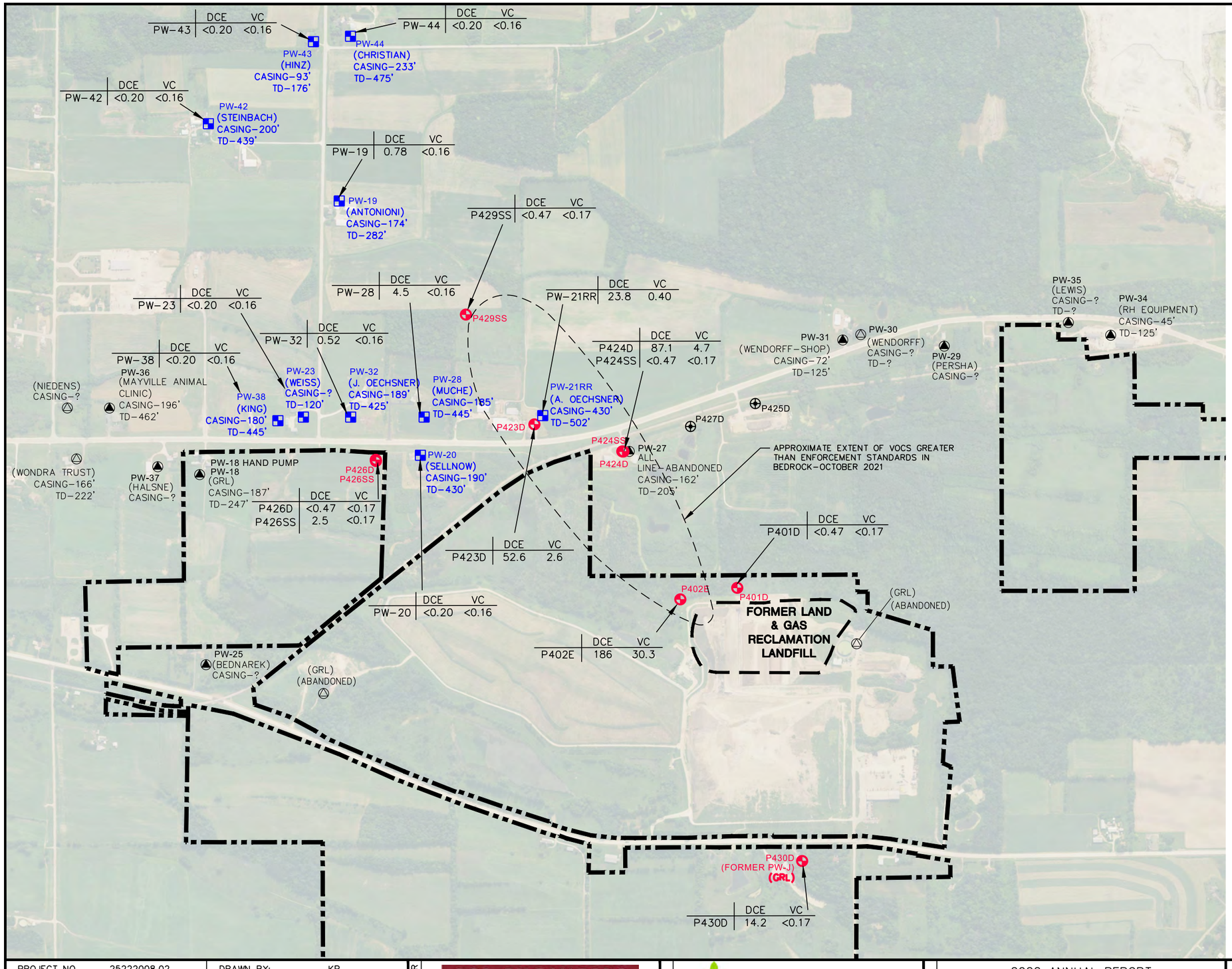
CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

SITE: 2022 ANNUAL REPORT
LAND AND GAS RECLAMATION LANDFILL
DODGE COUNTY, WISCONSIN

VOCS IN SHALLOW GROUNDWATER
OCTOBER 2022

FIGURE 11

I:\25223008.02\Drawings\RSLTS_VOC Shallow GW.dwg, 5/25/2023 10:16:50 AM



N

1,000 0 1,000

SCALE: 1" = 1,000'

LEGEND

- GLACIER RIDGE LANDFILL (GRL) PROPERTY LINE
- FORMER LGRL LIMITS OF WASTE
- APPROXIMATE PRIVATE WELL LOCATION, IN CURRENT MONITORING PROGRAM
- APPROXIMATE PRIVATE WELL LOCATION, HAS BEEN SAMPLED PREVIOUSLY
- APPROXIMATE PRIVATE WELL LOCATION, NOT SAMPLED
- PW-30 — WELL NAME ASSIGNED FOR SAMPLING PROGRAM
- (PERSHA) — WELL OWNER
- BEDROCK MONITORING WELL (LGRL INVESTIGATION)
- INVESTIGATION PHASE 2 BOREHOLE (ABANDONED)
- DCE — CIS-1,2-DICHLOROETHYLENE (µg/L) (PAL=7; ES=70)
- VC — VINYL CHLORIDE (µg/L) (PAL=0.02; ES=0.2)

NOTES:

1. SEE FIGURE 1, MONITORING WELL AND PRIVATE WELL LOCATIONS, FOR BASE MAP NOTES.

PROJECT NO.	25222008.02	DRAWN BY:	KP
DRAWN:	04/19/2021	CHECKED BY:	EO
REVISED:	05/17/2023	APPROVED BY:	EO

ENGINEER: SCS ENGINEERS, 2830 DAIRY DRIVE MADISON, WI 53718-6751, PHONE: (608) 224-2830

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

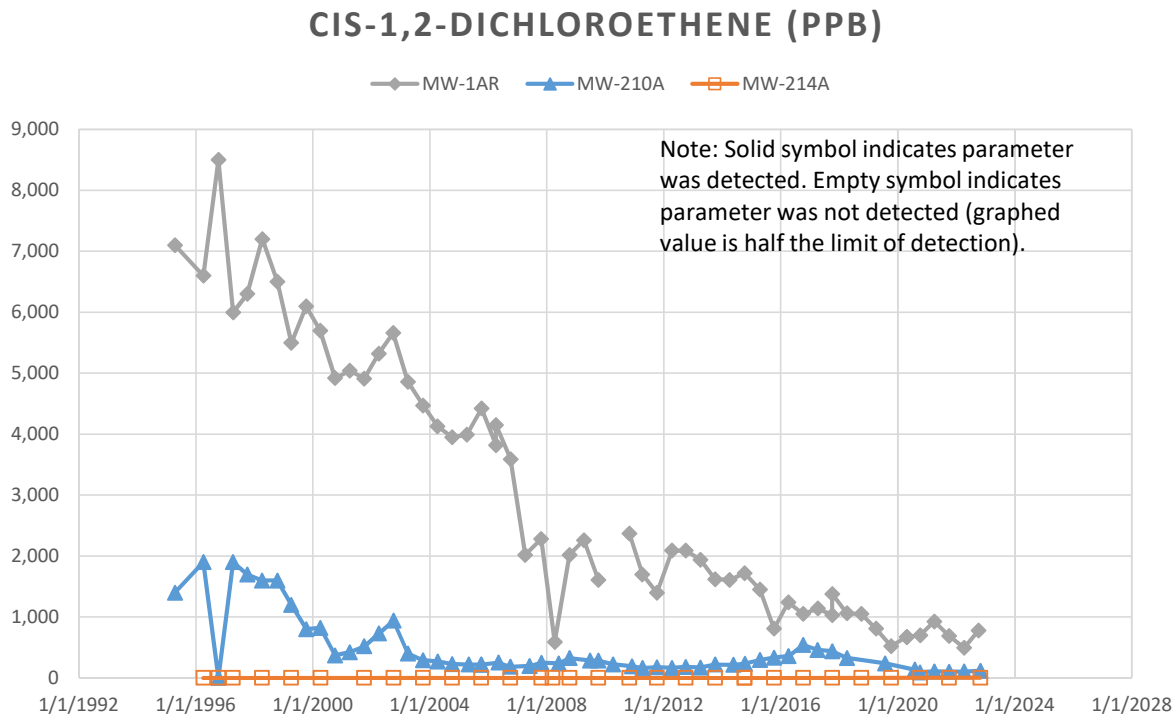
SITE: 2022 ANNUAL REPORT LAND AND GAS RECLAMATION LANDFILL DODGE COUNTY, WISCONSIN

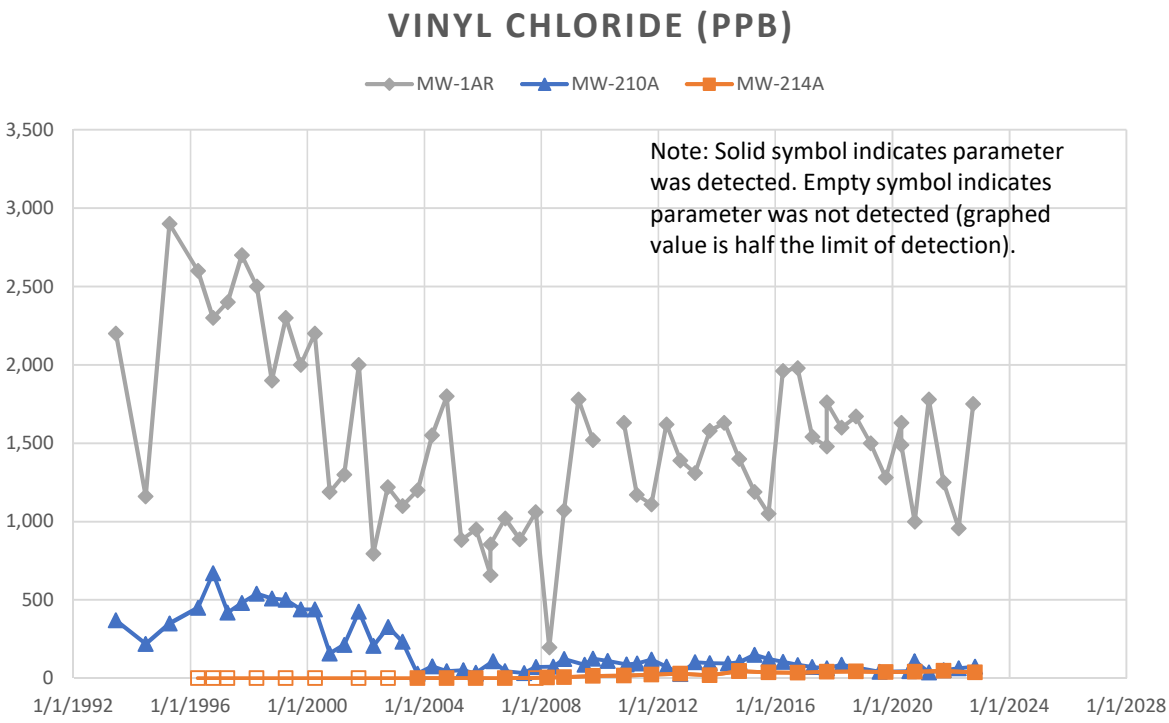
VOCS IN BEDROCK GROUNDWATER OCTOBER 2022

FIGURE 12

I:\25223008.02\Drawings\RSLTS_VOC Bedrock.dwg, 5/25/2023 10:20:15 AM

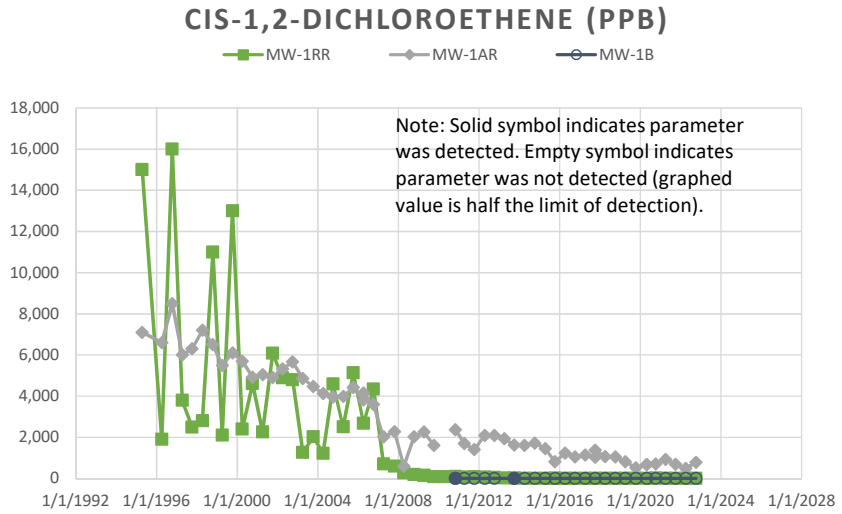
Figure G1. Time Series Graphs for Mid-Depth Wells Along the Shallow Plume (MW-1AR, MW-210A, MW-214A)

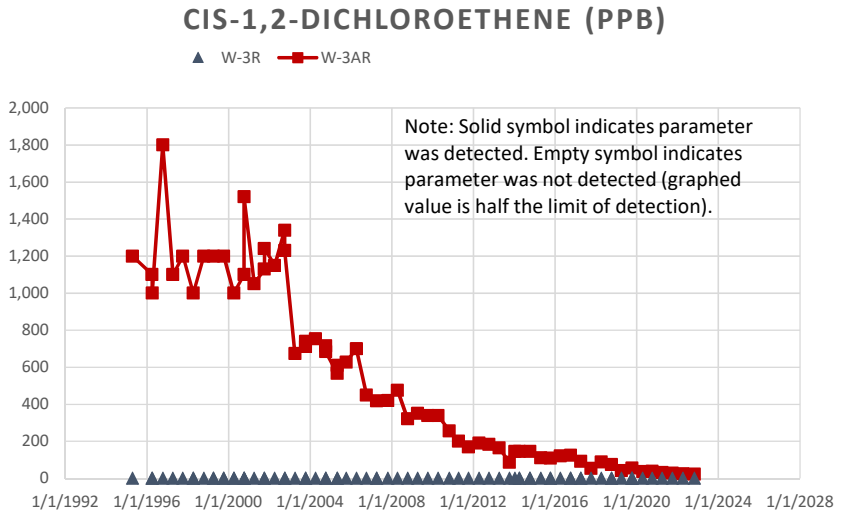


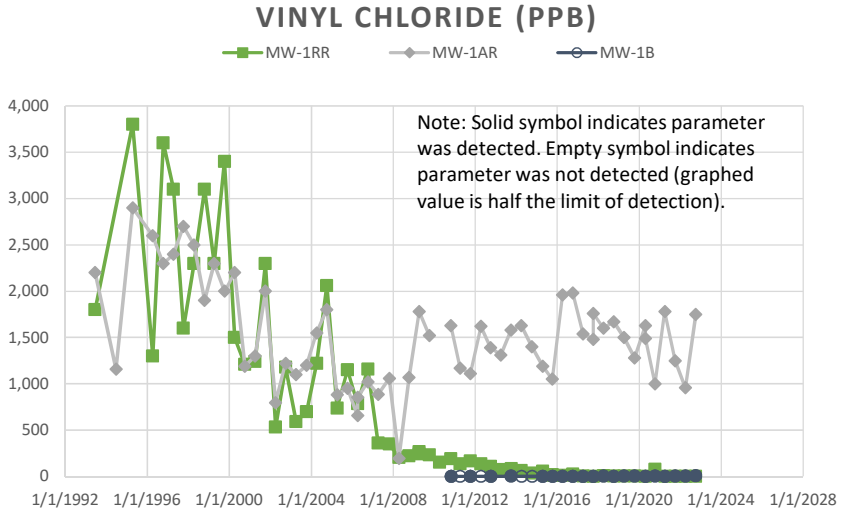


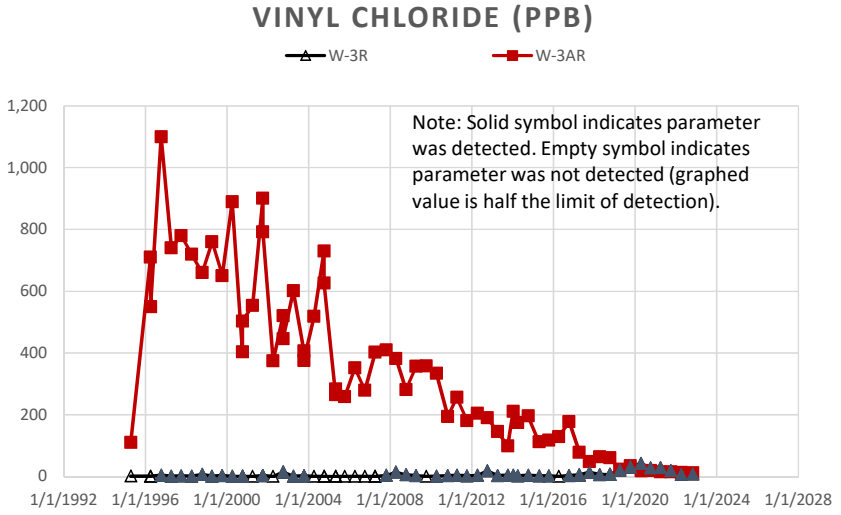
Note: When comparing between graphs, be aware that vertical scales vary.

Figure G2. Time Series Graphs for Source Area Well Nests (MW-1 and W-3)



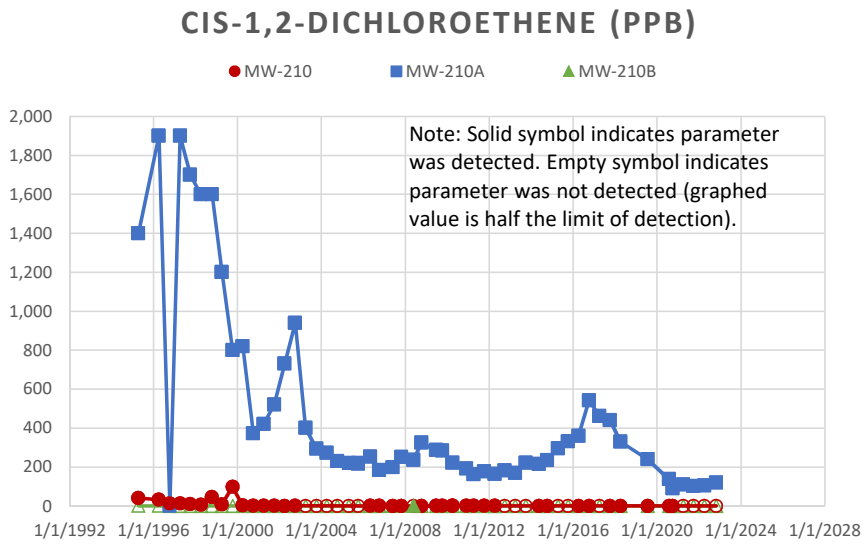


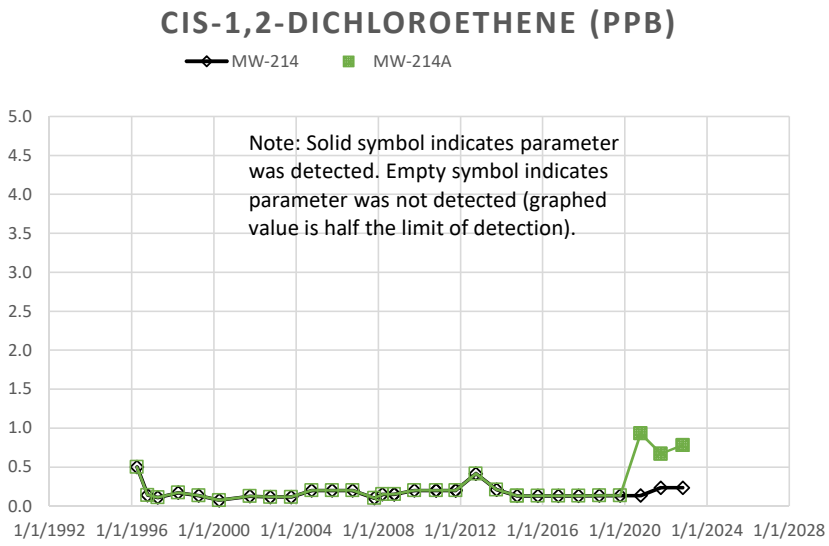


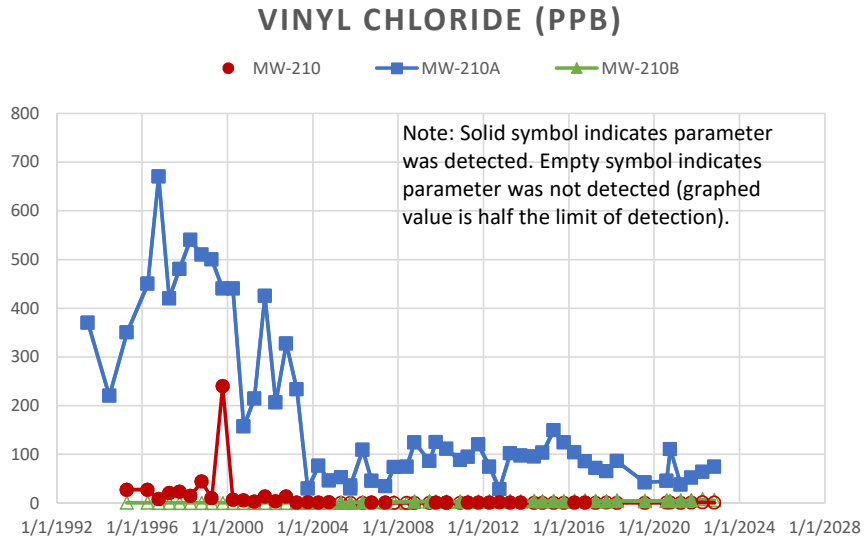


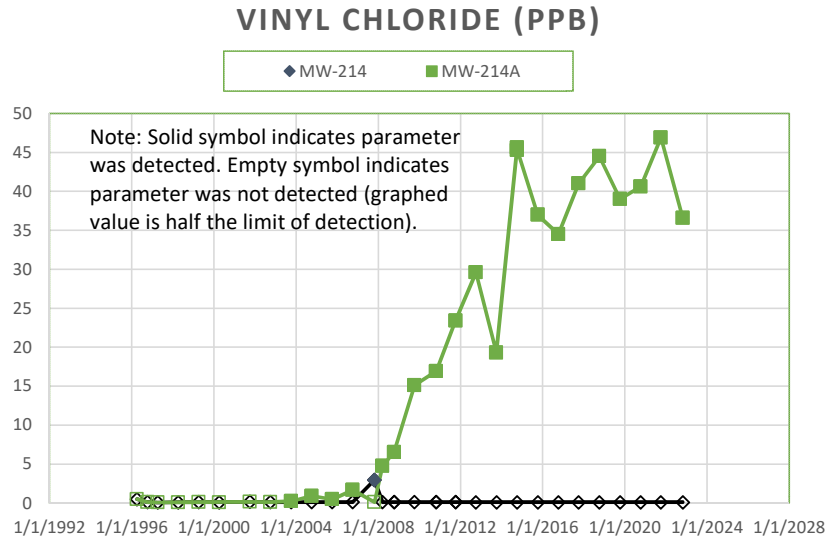
Note: When comparing between graphs, be aware that vertical scales vary.

Figure G3. Time Series Graphs for Downgradient Well Nests (MW-210 and MW-214)









Note: When comparing between graphs, be aware that vertical scales vary.

Figure G4. Time Series Graph for cis-1,2-DCE in Bedrock Monitoring Wells

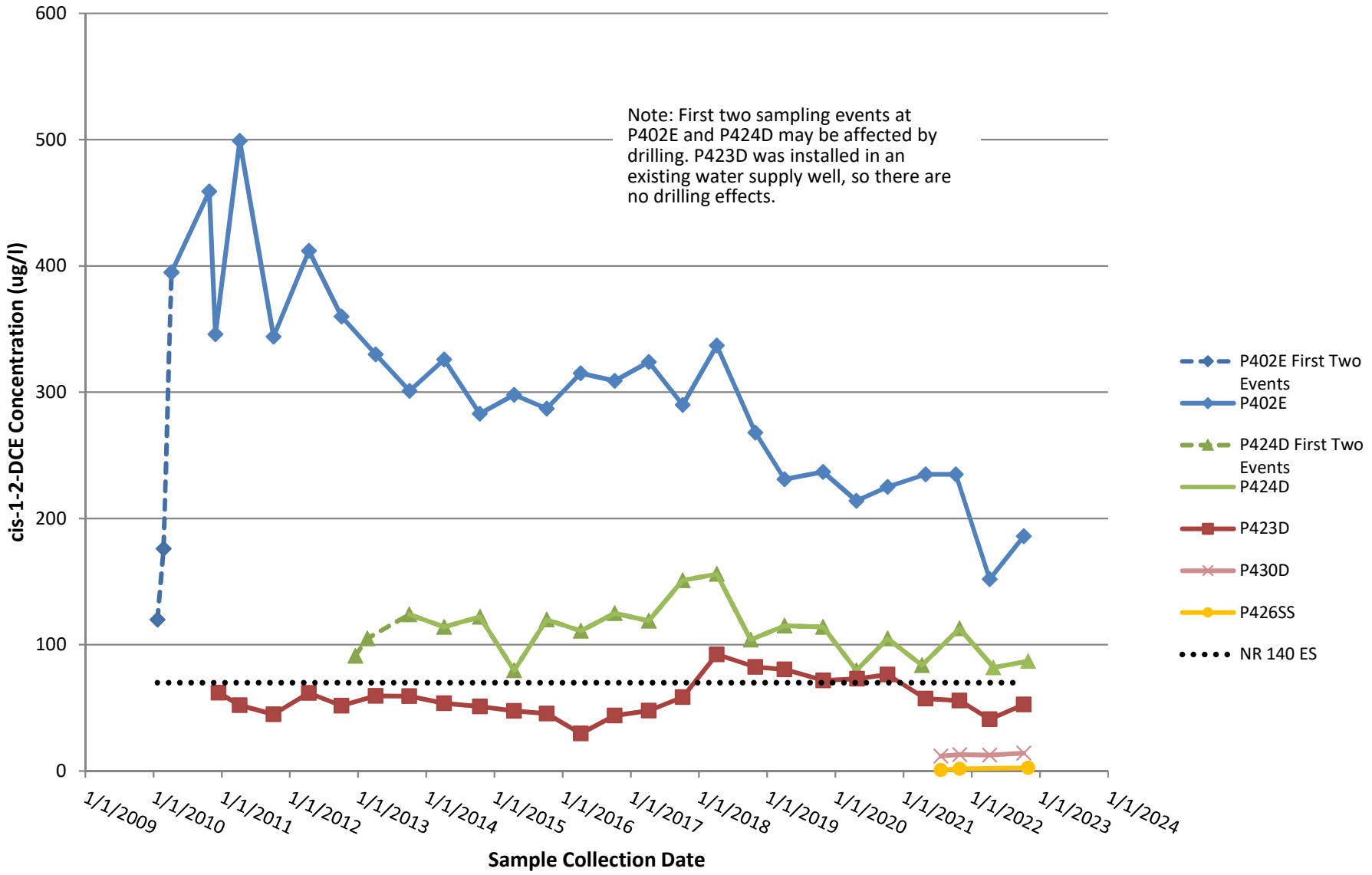


Figure G5. Time Series Graph for Vinyl Chloride in Bedrock Monitoring Wells

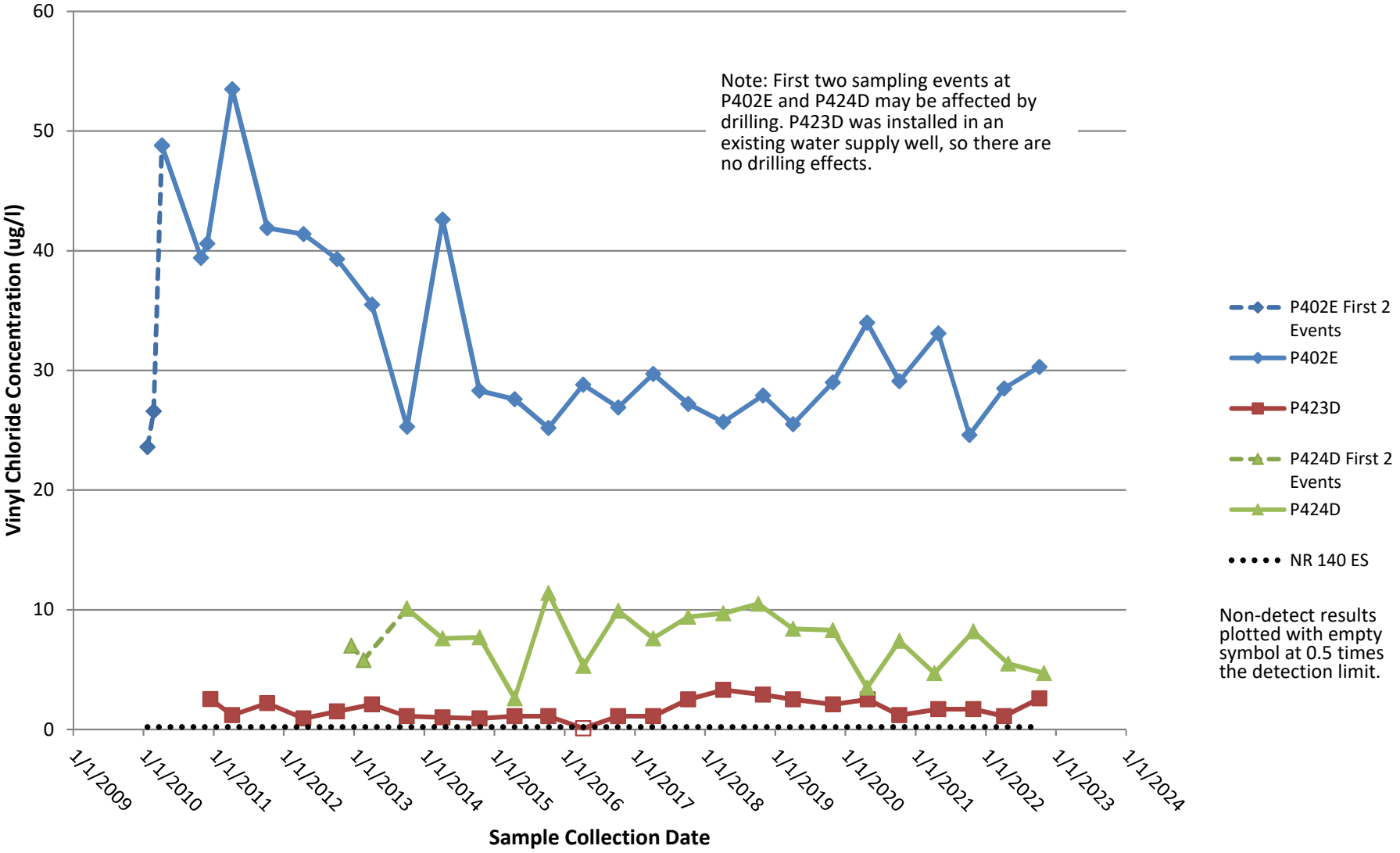


Figure G6. Time Series Graph for Cis-1,2-Dichloroethylene in Water Supply Wells Downgradient from LGRL

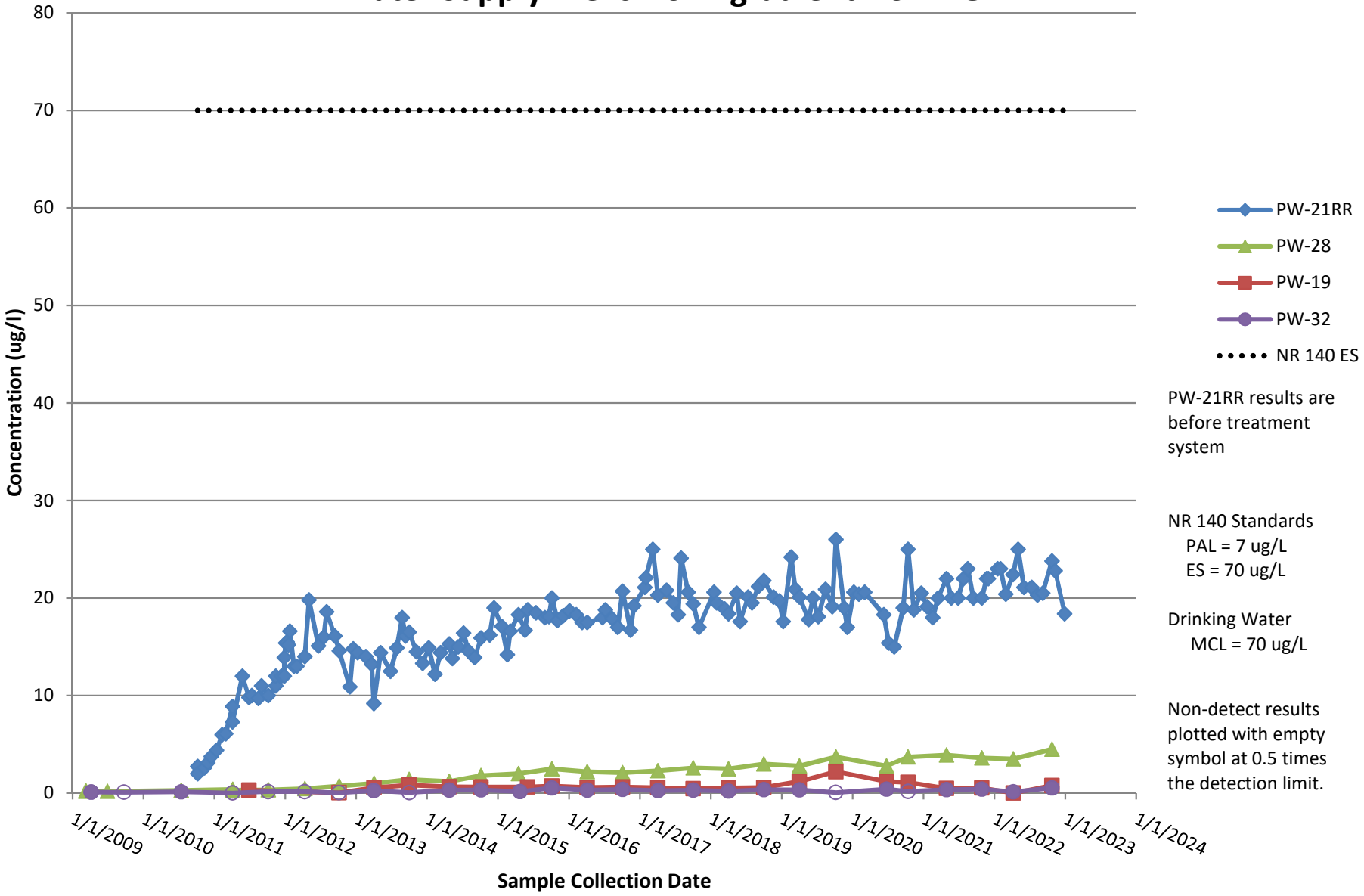
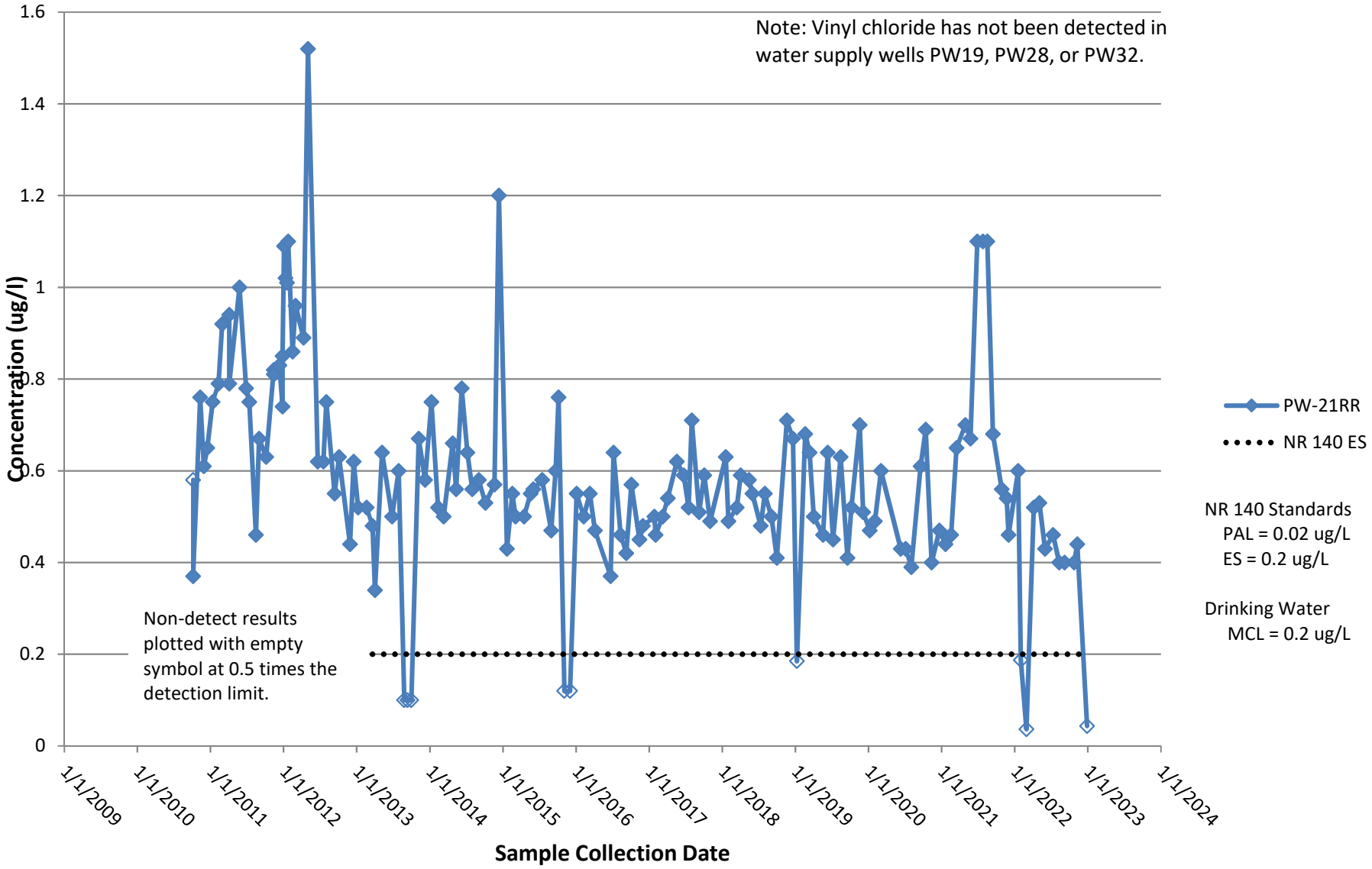


Figure G7. Time Series Graph for Vinyl Chloride at PW-21RR Samples (Before Treatment System)



Attachment A

LGRL Solid Waste Program Monitoring Results: 2019-2022

Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-001AR (LGRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			927.69	929.19	928.44	926.54	928.39	925.49	928.29	928.09
ph-Field (standard units)			7.61	7.34	7.39	7.5	7.45	7.05	7.4	7.73
					7.39		7.45	7.05		7.73
Specific conductance-field (umhos/cm @ 25c)			2140	1547	812	2132	2290	2700	1996	2550
					812		2290	2700		2550
Temperature, water (degrees centigrade)			11.5	9.5	10.2	12	17.5	12.1	11.6	20.4
					10.2		12.5	12.1		20.4
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			539	461	501	474	509	502	526	508
					489		516	478		533
Arsenic, dissolved (ug/l As)	10	1	**3.1**	**3.3**	**3.4**	**3.1**	**3.5**	**3.1**	**3.2**	**3.4**
	10	1			**3.4**		**3.3**	**3.3**		**3.6**
Chloride, dissolved (mg/l as Cl)	250	125	**617**	**499**	**538**	**543**	**532**	**534**	**588**	**570**
	250	125			**542**		**525**	**497**		**562**
Hardness, total, filtered (mg/l as CaCO3)			728	690	695	641	711	694	689	743
					664		696	696		742
Organic										
1,1-Dichloroethane (ug/l)	850	85	18.7 J	21	27.8	17.7 J	16.4	17.8 J	15.3 J	19.1 J
	850	85			24.4		15.6	18.4		20.2
1,1-Dichloroethylene (ug/l)	7	0.7	**6.5 J**	**2 J**	**5.8**	<4.9	<5.8	<11.6	<11.6	<11.6
	7	0.7			**4.9 J**		<5.8	<5.8		<11.6

Notes: Bold = PAL exceedance, bold + underlined = ES exceedance (groundwater samples only). Only VOCs detected at each sampling point in at least one of the sampling events are shown. Where more than one sample was collected per reporting period (duplicates and/or resampling), these results are shown in the rows below the original sample.

J Result is an estimated value below the laboratory's limit of quantitation.
B Compound detected in blank.
P Did not meet required preservation and/or hold time.
M Failed method QC check.

Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-001AR (LGRL)										
1,2-Dichloroethane (ug/l)	5	0.5	<5.6	<1.4	**0.67 J**	<5.6	<2.9	<5.8	<5.8	<5.8
	5	0.5			<5.6		<2.9	<2.9		<5.8
Acetone (ug/l)	9000	1800	<54.8	<13.7	3 J	<54.8	<86.4	<173	<173	<173
	9000	1800			<54.8		<86.4	<86.4		<173
Benzene (ug/l)	5	0.5	<4.9	<1.2	**2.1**	<4.9	<3	<5.9	<5.9	<5.9
	5	0.5			<4.9		<3	<3		<5.9
cis-1,2-Dichloroethene (ug/l)	70	7	**808**	**524**	**673**	**701**	**926**	**690**	**495**	**778**
	70	7			**670**		**895**	**737**		**852**
Dichloromethane (ug/l)	5	0.5	<11.6	**6.4 J**	<0.58	<11.6	<3.2	<6.4	<6.4	<6.4
	5	0.5			<11.6		<3.2	<3.2		<6.4
Methyl-tert-butyl ether (ug/l)	60	12	<24.9	<6.2	1.5 J	<24.9	<11.3	<22.6	<22.6	<22.6
	60	12			<24.9		<11.3	<11.3		<22.6
Tetrahydrofuran (ug/l)	50	10	**50.7 J**	**87.2 J**	**62.1**	<46.4	**51.1 J**	<48.4	<48.4	<48.4
	50	10			<46.4		**51.9 J**	**41.8 J**		<48.4
trans-1,2-Dichloroethene, total (ug/l)	100	20	<21.8	<5.5	5.1	**20 J**	7.7 J	15.2 J	<10.6	13.9 J
	100	20			**25.9 J**		5.4 J	<5.3		<10.6
Trichloroethylene (ug/l)	5	0.5	<5.1	<1.3	0.32 J	<5.1	<3.2	<6.4	<6.4	<6.4
	5	0.5			<5.1		<3.2	<3.2		<6.4
Vinyl chloride (ug/l)	0.2	0.02	**1500**	**1280**	**1630**	**1000**	**1780**	**1250**	**957**	**1750**
	0.2	0.02			**1490**		**1550**	**1400**		**1770**

Notes: Bold = PAL exceedance, bold + underlined = ES exceedance (groundwater samples only). Only VOCs detected at each sampling point in at least one of the sampling events are shown. Where more than one sample was collected per reporting period (duplicates and/or resampling), these results are shown in the rows below the original sample.

J Result is an estimated value below the laboratory's limit of quantitation.
B Compound detected in blank.
P Did not meet required preservation and/or hold time.
M Failed method QC check.

Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-001B										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			926.68	927.82	927.13	925.53	926.98	926.13	925.91	926.11
ph-Field (standard units)			7.02	7.63	7.31	7.72	7.82	7.82	7.89	7.6
Specific conductance-field (umhos/cm @ 25c)			662	458	516	633	825	750	755	851
Temperature, water (degrees centigrade)			12.5	13.7	9.3	12.5	11.6	12.6	10.6	13.1
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			186	180	190	177	190	194	187	200
Chloride, dissolved (mg/l as Cl)	250	125	124	123	**133**	**139**	**144**	**149**	**162**	**150**
Hardness, total, filtered (mg/l as CaCO3)			345	331	339	358	372	372	356	358
Organic										
Acetone (ug/l)	9000	1800	10.3 J	6.3 J	<2.7	3.5 J	<8.6	<8.6	<8.6	<8.6
Carbon disulfide (ug/l)	1000	200	<0.37	0.98 J	0.8 J	<0.45	<1.1	<1.1	<1.1	<1.1
Vinyl chloride (ug/l)	0.2	0.02	**4.2**	**5.1**	**2.2**	**4.3**	**2.7**	**4.3**	**5.4**	**9.4**

Notes: Bold = PAL exceedance, bold + underlined = ES exceedance (groundwater samples only). Only VOCs detected at each sampling point in at least one of the sampling events are shown. Where more than one sample was collected per reporting period (duplicates and/or resampling), these results are shown in the rows below the original sample.

J Result is an estimated value below the laboratory's limit of quantitation.
B Compound detected in blank.
P Did not meet required preservation and/or hold time.
M Failed method QC check.

Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-001RR (LGRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			926.02	927.82	926.82	924.84	926.77	929.92	926.67	931.45
ph-Field (standard units)			7.21	7.28	7.02	6.92	6.92	6.89	6.92	6.64
Specific conductance-field (umhos/cm @ 25c)			1711	1144	758	1499	1636	1651	1522	1885
Temperature, water (degrees centigrade)			11	8.1	9	13.5	11	13.1	9.7	15.2
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			1050	979	913	1010	976	978	880	927
Arsenic, dissolved (ug/l As)	10	1	**7**	**7.8**	**4.5**	**5**	**4**	**4.8**	**2.6**	**6.2**
Chloride, dissolved (mg/l as Cl)	250	125	91.9	87.5	80.1	110	94.7	113	**150**	**131**
Hardness, total, filtered (mg/l as CaCO3)			845	808	807	930	821	816	828	890
Organic										
1,1-Dichloroethane (ug/l)	850	85	0.5 J	0.44 J	<0.27	0.29 J	<0.3	<0.3	<0.3	<0.3
Acetone (ug/l)	9000	1800	4.4 J	30.5	<2.7	4.5 J	<8.6	<8.6	<8.6	<8.6
Benzene (ug/l)	5	0.5	**0.5 J**	0.44 J	<0.25	0.32 J	<0.3	0.31 J	<0.3	<0.3
cis-1,2-Dichloroethene (ug/l)	70	7	0.94 J	0.93 J	<0.27	**18.5**	<0.47	<0.47	<0.47	<0.47
Vinyl chloride (ug/l)	0.2	0.02	**5.8**	**4.5**	**0.68 J**	**75.9**	**0.99 J**	**1.7**	<0.17	**0.29 J**

Notes: Bold = PAL exceedance, bold + underlined = ES exceedance (groundwater samples only). Only VOCs detected at each sampling point in at least one of the sampling events are shown. Where more than one sample was collected per reporting period (duplicates and/or resampling), these results are shown in the rows below the original sample.

J Result is an estimated value below the laboratory's limit of quantitation.
B Compound detected in blank.
P Did not meet required preservation and/or hold time.
M Failed method QC check.

Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-006R										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			925.55	925.85	925.72	924.65	925.7	925.05	925.79	925.06
ph-Field (standard units)			7.82	7.07	7.1	7.44	7.22	7.04	7.23	7.13
				7.07				7.04		
Specific conductance-field (umhos/cm @ 25c)			364	445	352	829	730	706	859	838
				445				706		
Temperature, water (degrees centigrade)			7.9	12.5	8.3	9.9	15.1	13	9	12.9
				12.5				13		
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			373	407	407	380	398	408	453	430
				405				404		
Arsenic, dissolved (ug/l As)	10	1	0.29 J	0.5 J	0.41 J	0.62 J	0.64 J	0.29 J	0.3 J	0.68 J
	10	1		0.5 J				<0.28		
Chloride, dissolved (mg/l as Cl)	250	125	24.2	24.4	24	23.2	23.1	22.5	23.5	24.6
	250	125		24.3				22.7		
Hardness, total, filtered (mg/l as CaCO3)			386	421	416	376	403	377	400	433
				428				380		

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-007R										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			927.17	926.27	923.97	925.52	925.62	925.82	925.9	925.36
ph-Field (standard units)			7.2	7.29	7.4	7.22	7.02	6.95	7.04	7.09
			7.2			7.22	7.02			7.09
Specific conductance-field (umhos/cm @ 25c)			363	470	380	842	831	830	765	883
			363			842	831			883
Temperature, water (degrees centigrade)			4.8	15.7	8.4	11.9	10.4	11	4.4	10.8
			4.8			11.9	10.4			10.8
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			352	367	397	428	437	425	348	400 M
			371			408	444			433
Arsenic, dissolved (ug/l As)	10	1	0.73 J	**7.3**	**3.6**	**5.5**	0.96 J	**4.9**	**1.6**	**1.3**
	10	1	0.74 J			**4.7**	0.91 J			**1.3**
Chloride, dissolved (mg/l as Cl)	250	125	57.1	47.6	45.7 M	31.9	34.2	38	45.9	32.4
	250	125	56.4			36.2	34.7			32.2
Hardness, total, filtered (mg/l as CaCO3)			391	380	401	422	413	402	344	381
			375			420	414			380

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-008R (LGRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			931.09	931.25	931.24	930.91	931.21	930.79	931.34	930.54
ph-Field (standard units)			7.13	7.04	7.04	7.34	7.02	7.21	7.18	7.04
Specific conductance-field (umhos/cm @ 25c)			508	839	455	1309	990	1280	1561	1524
Temperature, water (degrees centigrade)			9.9	12.2	9.1	10.5	13.8	11.3	8.6	11.9
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			822	875	851	823	942	899	909	784
Arsenic, dissolved (ug/l As)	10	1	**2.8**	**2.3**	**2.7**	**3.2**	**2**	**2.8**	**2.1**	**2.8**
Chloride, dissolved (mg/l as Cl)	250	125	43	40.5	36.3 M	37.6	37.6	43.5	37.6	40.5
Hardness, total, filtered (mg/l as CaCO3)			763	794	820	715	814	824	809	777
Organic										
Acetone (ug/l)	9000	1800				5.2 J				
MW-201										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			926.73	927.26	927.01	926.74	926.91	926.96	926.91	926.89
ph-Field (standard units)			7.36	7.32	7.26	7.22	7.01	7.41	7.31	6.89
Specific conductance-field (umhos/cm @ 25c)			352	458	446	841	894	819	620	758
Temperature, water (degrees centigrade)			8.4	16.5	12.2	10.1	19	11.3	6.2	10.4

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-201A										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			925.54	925.79	925.42	926.48	926.59	926.69	926.84	926.54
ph-Field (standard units)			7.28	7.34	7.12	6.91	7.27	7.56	7.61	7.21
Specific conductance-field (umhos/cm @ 25c)			398	494	501	821	921	918	780	830
Temperature, water (degrees centigrade)			8.5	19.1	13.6	10	19.5	11.4	8.7	10.6
MW-201B										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			926.57	927.33	926.82	925.42	926.57	925.67	926.83	926.27
ph-Field (standard units)			7.61	7.7	7.5	7.1	7.8	7.93	7.96	7.64
Specific conductance-field (umhos/cm @ 25c)			226	277	321	486	464	419	390	396
Temperature, water (degrees centigrade)			8.8	16.5	12.3	9.6	18.8	12.6	7.7	11.1

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-203A										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			927.16	927.58	927.21	926.61	927.01	926.66	926.31	926.82
ph-Field (standard units)			7.24	7.52	7.55	7.64	7.65	7.36	7.6	7.66
Specific conductance-field (umhos/cm @ 25c)			336	383	344	741	671	673	745	733
Temperature, water (degrees centigrade)			7.1	11.3	9.3	10.4	14.3	10.3	8.9	13.8
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			309	316	319	318	328	345	351	345
Arsenic, dissolved (ug/l As)	10	1	**8.1**	**5.6**	**7.4**	**8.4**	**6**	**7.2**	**5.9**	**7.2**
Chloride, dissolved (mg/l as Cl)	250	125	27.9	29.9	32.7	32.3	34.8	37.5	35.7 M	39.2
Hardness, total, filtered (mg/l as CaCO3)			355	332	351	355	350	355	366	371

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-210										
Reporting Period			4/1/2018	7/1/2019	7/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			927.01	927.06	927.06	926.21	926.91	927.06	927.41	926.61
ph-Field (standard units)			7.44	6.93	6.98	6.89	6.92	6.69	6.88	6.89
									6.88	
Specific conductance-field (umhos/cm @ 25c)			1290	1433	1514	2350	1543	1355	1568	1621
									1568	
Temperature, water (degrees centigrade)			9.4	16.2	17.1	15.2	11.9	16.8	7.3	13
									7.3	
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			836	777	795	839	912	862	902	885
									909 M	
Arsenic, dissolved (ug/l As)	10	1	**2.4**	**2.2**	**2.5**	**2.2**	**1.8**	**2**	**1.1**	**2.4**
	10	1							**1.1**	
Chloride, dissolved (mg/l as Cl)	250	125	89.2	77.3	72.8	74.9	72.2	76.2	75.8	79.7
	250	125							76.1	
Hardness, total, filtered (mg/l as CaCO3)			911	845	861	850	871	914	878	968
									868	
Organic										
Acetone (ug/l)	9000	1800	3.9 J	4 J	3.8 J	6.7 J	<2.7	<8.6	<8.6	<8.6
	9000	1800							<8.6	
cis-1,2-Dichloroethene (ug/l)	70	7	0.39 J	0.45 J	0.3 J	0.39 J	<0.27	<0.47	<0.47	<0.47
	70	7							<0.47	

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-210										
Vinyl chloride (ug/l)	0.2	0.02	<0.18	<0.17	**0.34 J**	**0.43 J**	**0.18 J**	**0.52 J**	**0.85 J**	**0.26 J**
	0.2	0.02							**0.82 J**	

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-210A										
Reporting Period			4/1/2018	7/1/2019	7/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			926.6	926.95	926.95	925.05	927.05	926.8	927.45	926.9
ph-Field (standard units)			7.72	7.19	6.92	7.34	7.21	7.54	7.28	7.24
Specific conductance-field (umhos/cm @ 25c)			1180	1114	1085	1180	1138	1012	1110	1168
Temperature, water (degrees centigrade)			9.5	13.5	13.5	10.7	13.2	13.7	9.5	11.9
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			537	477	464	460	489	462	474	478
Arsenic, dissolved (ug/l As)	10	1	**8.6**	**7.1**	**7.6**	**7**	**6.1**	**6.8**	**6.1**	**5.9**
Chloride, dissolved (mg/l as Cl)	250	125	**140**	111	106	108	101	111	108	**126**
Hardness, total, filtered (mg/l as CaCO3)			517	491	494	481	467	501	550	544
Organic										
1,1-Dichloroethane (ug/l)	850	85	11.3	7	6.6	5.5	5.3	5.4	4.6	4.4
1,1-Dichloroethylene (ug/l)	7	0.7	**1.6 J**	**1.1 J**	**0.87 J**	<0.61	**0.77 J**	<0.58	<1.5	<1.5
Benzene (ug/l)	5	0.5	<1.2	<0.62	**0.73 J**	<0.62	<0.62	**0.5 J**	<0.74	<0.74
Chloroethane (ug/l)	400	80	7.4	4.7 J	4.4 J	4.4 J	<3.4	4 J	4.6 J	4.9 J
cis-1,2-Dichloroethene (ug/l)	70	7	**330**	**239**	**137**	**90.3**	**109**	**102**	**105**	**119**
Tetrahydrofuran (ug/l)	50	10	<5.1	<5.8	<5.8	<5.8	6.3 J	2.6 J	<6	<6
trans-1,2-Dichloroethene, total (ug/l)	100	20	9.7	<2.7	<1.2	<1.2	<1.2	<0.53	1.4 J	<1.3
Trichloroethylene (ug/l)	5	0.5	**1.9 J**	**1.5 J**	**1.1 J**	<0.64	**1.1 J**	**0.75 J**	**0.88 J**	<0.8
Vinyl chloride (ug/l)	0.2	0.02	**86**	**42.2**	**44.9**	**110**	**37.4**	**51.6**	**63.9**	**74**

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-210B										
Reporting Period			4/1/2018	7/1/2019	7/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			926.66	927.08	927.08	925.28	927.28	926.78	927.73	926.68
ph-Field (standard units)			7.99	7.79	7.55	7.64	7.61	7.62	7.71	7.46
Specific conductance-field (umhos/cm @ 25c)			742	734	776	886	832	758	819	885
Temperature, water (degrees centigrade)			10.1	15.7	14.2	12	12.4	13.1	9.1	12.7
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			277	271	275	267	282	280	301	296
Arsenic, dissolved (ug/l As)	10	1	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28	<0.28
Chloride, dissolved (mg/l as Cl)	250	125	98.4	82.1	85.4	91.4	106	104	102	117
Hardness, total, filtered (mg/l as CaCO3)			384	373	389	363	375	403	430	405
Organic										
Acetone (ug/l)	9000	1800	<3	4.3 J	16.6 J	<2.7	<2.7	<8.6	8.7 J	<8.6
Vinyl chloride (ug/l)	0.2	0.02	**4.3**	**3.9**	**4.5**	**4**	**4.3**	**4.8**	**7.5**	**5.5**

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-214										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			925.57	925.77	925.67	924.67	925.62	925.69		925.62
ph-Field (standard units)			7.2	7.4	7.56	7.23	7.28	7.32	7.54	7.19
						7.23			7.54	
Specific conductance-field (umhos/cm @ 25c)			433	414	358	600	821	737	695	812
						600			695	
Temperature, water (degrees centigrade)			16.1	12.3	9.1	14.6	15.9	15.3	10.4	13.6
						14.6			10.4	
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			369	347	369	377	377	374	363	379
						378			364	
Arsenic, dissolved (ug/l As)	10	1	0.98 J	**1.3**	0.79 J	**2.1**	0.7 J	0.62 J	**1.2**	**1 J**
	10	1				**1.7 J**			**1.3**	
Chloride, dissolved (mg/l as Cl)	250	125	56.7	53.1	46.3	46.6	52.9	44.9	41.7	43.7
	250	125				49.8			38.3	
Hardness, total, filtered (mg/l as CaCO3)			370	365	383	385	383	389	348	384
						393			341	
Organic										
Acetone (ug/l)	9000	1800		8.5 J		4.8 J		<8.6		<8.6
	9000	1800				5.4 J				

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-214A										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			927.54	927.44	927.59	925.59	927.24	926.89	923.57	926.74
ph-Field (standard units)			7.36	7.28	7.38	7.55	7.48	7.67	7.45	7.4
					7.38					
Specific conductance-field (umhos/cm @ 25c)			577	614	444	818	1175	1056	1213	1220
					444					
Temperature, water (degrees centigrade)			11.2	10.5	12.9	13.2	15.2	14.3	14.5	12.5
					12.9					
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			354	344	352	359	358	358	363	372
					353					
Arsenic, dissolved (ug/l As)	10	1	0.78 J	**1**	0.9 J	0.86 J	0.96 J	0.79 J	**2.3**	**1.2**
	10	1			**1**					
Chloride, dissolved (mg/l as Cl)	250	125	**205**	**191**	**202**	**197**	**195**	**196**	**203**	**197**
	250	125			**181**					
Hardness, total, filtered (mg/l as CaCO3)			522	516	542	522	495	514	677	544
					515					
Organic										
Acetone (ug/l)	9000	1800		7.5 J		3.8 J		<8.6		<8.6
cis-1,2-Dichloroethene (ug/l)	70	7		<0.27		0.93 J		0.67 J		0.78 J
Methylethylketone (ug/l)	4000	800		<2.9		7.1 J		<6.5		<6.5
Tetrahydrofuran (ug/l)	50	10		9.4 J		8.7 J		8.4 J		8 J

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-214A										
Vinyl chloride (ug/l)	0.2	0.02		**39**		**40.6**		**46.9**		**36.6**
P-422B										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			927.09	928.49	927.39	926.69	927.64	927.39	927.64	927.29
ph-Field (standard units)			7.62	7.89	7.65	7.88	7.62	7.54	7.85	7.88
			7.62							
Specific conductance-field (umhos/cm @ 25c)			209	242	263	418	434	370	428	455
			209							
Temperature, water (degrees centigrade)			10.1	11.9	10.4	10.7	13.1	12.3	9.6	10.8
			10.1							
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			210 M	208	216	198	215	221	222	215
			204							
Chloride, dissolved (mg/l as Cl)	250	125	10.1	7.8	9.1 J	10.4 M	8	7.8	11.1	8
	250	125	10.1							
Hardness, total, filtered (mg/l as CaCO3)			173	166	180	176	145	186	167	172
			168							

Notes: Bold = PAL exceedance, bold + underlined = ES exceedance (groundwater samples only). Only VOCs detected at each sampling point in at least one of the sampling events are shown. Where more than one sample was collected per reporting period (duplicates and/or resampling), these results are shown in the rows below the original sample.

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B Compound detected in blank.
P Did not meet required preservation and/or hold time.
M Failed method QC check.

Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-003AR (LGRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			926.89	928.07	927.22	926.13	926.94	927.24	927.39	927.16
ph-Field (standard units)			7.29	7.31	7.39	7.29	7.16	7.23	7.28	7.09
Specific conductance-field (umhos/cm @ 25c)			722	787	571	1218	1108	1451	1371	1683
Temperature, water (degrees centigrade)			4.9	13.3	8.4	14.4	10.8	10.5	8.7	10.1
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			607	636	593	605	622	600	571	623
Arsenic, dissolved (ug/l As)	10	1	**2.2**	**2.6**	**3.6**	**4.1**	**4.4**	**4.5**	**4.4**	**5.4**
Chloride, dissolved (mg/l as Cl)	250	125	**155**	**162**	**152**	**159**	**171**	**185**	121	**213**
Hardness, total, filtered (mg/l as CaCO3)			606	598	629	614	620	655	577	673
Organic										
1,1-Dichloroethane (ug/l)	850	85	12	16.9	16	14.3	13	15.9	10.9	13.6
1,1-Dichloroethylene (ug/l)	7	0.7	0.4 J	0.66 J	0.31 J	0.35 J	<0.58 M	<0.58	<0.58	<0.58
Acetone (ug/l)	9000	1800	<2.7	6.8 J	<2.7	3.2 J	<8.6	<8.6	<8.6	<8.6
Benzene (ug/l)	5	0.5	**1.1**	**1.1**	**0.93 J**	**0.82 J**	**1.2**	**1.4**	**1.1**	**1.4**
Chloroethane (ug/l)	400	80	6.1	7.2	7	8.2	3.6 J	7.3	6	7.4
cis-1,2-Dichloroethene (ug/l)	70	7	**42.1**	**55.6**	**37.6**	**38.2**	**32.4**	**28.4**	**24.1**	**22.8**
Dichlorodifluoromethane (ug/l)	1000	200	0.72 J	0.78 J	1.1 J	0.67 J	0.49 J	0.49 J	<0.46	<0.46
Tetrahydrofuran (ug/l)	50	10	8.6 J	**10.4 J**	9.1 J	8.9 J	**12.4 J**	9.2 J	9 J	**12.2 J**
trans-1,2-Dichloroethene, total (ug/l)	100	20	<1.1	<1.1	<0.46	0.47 J	<0.53	<0.53	<0.53	<0.53

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M Failed method QC check.

Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-003AR (LGRL)										
Trichloroethylene (ug/l)	5	0.5	0.27 J	0.31 J	0.35 J	<0.26	0.33 J	<0.32	<0.32	<0.32
Vinyl chloride (ug/l)	0.2	0.02	**23.1**	**34.6**	**18.4**	**18.8**	**15.3**	**15.3**	**13**	**11.7**

Notes: Bold = PAL exceedance, bold + underlined = ES exceedance (groundwater samples only). Only VOCs detected at each sampling point in at least one of the sampling events are shown. Where more than one sample was collected per reporting period (duplicates and/or resampling), these results are shown in the rows below the original sample.

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B Compound detected in blank.
P Did not meet required preservation and/or hold time.
M Failed method QC check.

Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-003R (LGRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			927.65	927.62	926.45	927.07	927.33	927.35	927.85	927.99
ph-Field (standard units)			7.26	6.9	7.35	7.04	6.9	7.2	6.79	7.05
				6.9						7.05
Specific conductance-field (umhos/cm @ 25c)			656	828	513	1101	1076	1310	1521	1498
				828						1498
Temperature, water (degrees centigrade)			3.2	12.8	6.9	13.6	10.9	12.1	8	11.7
				12.8						11.7
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			637	607	588	681	679	743	844	820
				610						815 M
Arsenic, dissolved (ug/l As)	10	1	0.76 J	0.81 J	0.86 J	**1.1**	0.84 J	0.93 J	**1**	**1.2**
	10	1		0.96 J						**1.3**
Chloride, dissolved (mg/l as Cl)	250	125	90.3	89	79.2	86.7	81.8	82.5	69	77.5
	250	125		88.1						73.2
Hardness, total, filtered (mg/l as CaCO3)			719	734	722	738	739	792	832	869
				710						873
Organic										
Acetone (ug/l)	9000	1800	<2.7	8.4 J	3.8 J	5.7 J	<8.6	<8.6	<8.6	<8.6
	9000	1800		7.2 J						<8.6
cis-1,2-Dichloroethene (ug/l)	70	7	<0.27	<0.27	<0.27	<0.27	<0.47	<0.47	<0.47	<0.47
	70	7		0.33 J						<0.47

Notes: Bold = PAL exceedance, bold + underlined = ES exceedance (groundwater samples only). Only VOCs detected at each sampling point in at least one of the sampling events are shown. Where more than one sample was collected per reporting period (duplicates and/or resampling), these results are shown in the rows below the original sample.

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B Compound detected in blank.
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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-003R (LGRL)										
Vinyl chloride (ug/l)	0.2	0.02	**20.3**	**30.7**	**42.4**	**27.1**	**28.4**	**19.3**	**6.8**	**8.2**
	0.2	0.02		**30.3**						**8**
W-163 (LGRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			924.48	925.43	924.35	924.62	924.98	925.23	925.29	924.8
ph-Field (standard units)			7.77	7.36	7.39	7.14	7.62	7.42	7.62	7.06
Specific conductance-field (umhos/cm @ 25c)			374	511	369	855	716	870	875	792
Temperature, water (degrees centigrade)			8.5	12	9	11.7	17.4	16	6.8	10.8
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			357	369	360	372	372	406	417	389
Arsenic, dissolved (ug/l As)	10	1	**1.9**	**5.3**	**1.4**	**4.7**	**19.3**	**3.3**	0.54 J	**2.5**
Chloride, dissolved (mg/l as Cl)	250	125	64.5	62.5	60.8	64.2	66.6	71.2	65.2	71.1
Hardness, total, filtered (mg/l as CaCO3)			388	688	349	535	2530	464	397	445
Organic										
Acetone (ug/l)	9000	1800		12.4 J	2.8 J	11.2 J		<8.6		<8.6
Toluene (ug/l)	800	160		0.24 J	<0.27	0.27 J		<0.29		<0.29

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-163A (LGRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			926.12	927.36	926.02	926.07	926.62	926.37	926.57	927.94
ph-Field (standard units)			6.94	7.79	7.52	7.34	7.64	7.63	7.79	7.29
Specific conductance-field (umhos/cm @ 25c)			209	213	331	343	410	312	345	398
Temperature, water (degrees centigrade)			8.8	15.5	14.1	9.4	13.2	12.9	7.8	10.4
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			188	189	192	175 M	218	186	183	210
Arsenic, dissolved (ug/l As)	10	1	**1.9**	**2.8**	**2.5**	**3.1**	**2.2**	**2.4**	**2.9**	**2.7**
Chloride, dissolved (mg/l as Cl)	250	125	9.7 M	7.6	3.8	2.2	10.1	3.5	3.4	5.8
Hardness, total, filtered (mg/l as CaCO3)			187	193	159	140	187	159	164	205
Organic										
Acetone (ug/l)	9000	1800		10.2 J	4.3 J	5.5 J		<8.6		<8.6
Chloroethane (ug/l)	400	80		1.6 J	<1.3	<1.3		<1.4		<1.4

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Staff Gauges	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
SW-02										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Comment, well dry						Yes				
Elevation, surface water (ft above MSL)			925.39	923.84	925.44		923.39	923.39	925.7	923.34
SW-03										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Comment, well dry						Yes	Yes			
Comment, well frozen			Yes							
Elevation, surface water (ft above MSL)				928.6	926.12			927.7	925.7	927.75
SW-04										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Comment, well dry						Yes				
Elevation, surface water (ft above MSL)			927.66	927.91	928.01		927.66	927.46	927.76	927.46

Notes: Bold = PAL exceedance, bold + underlined = ES exceedance (groundwater samples only). Only VOCs detected at each sampling point in at least one of the sampling events are shown. Where more than one sample was collected per reporting period (duplicates and/or resampling), these results are shown in the rows below the original sample.

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Historic Monitoring Results - Last 8 Events
Land and Gas Reclamation Landfill

Staff Gauges	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
SW-05										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Comment, well broken								Yes		
Comment, well dry			Yes			Yes	Yes			
Elevation, surface water (ft above MSL)				925.01	925.42				926.46	926.56

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B Compound detected in blank.
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Attachment B

Selected GRL Solid Waste Program Monitoring Results: 2019-2022

Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-008R (GRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			931.09	931.25	931.24	930.91	931.21	930.79	931.34	930.54
ph-Field (standard units)			7.13	7.04	7.04	7.34	7.02	7.21	7.18	7.04
Specific conductance-field (umhos/cm @ 25c)		2100	508	839	455	1309	990	1280	1561	1524
Temperature, water (degrees centigrade)			9.9	12.2	9.1	10.5	13.8	11.3	8.6	11.9
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		1200	822	875	851	823	942	899	909	784
Chloride, dissolved (mg/l as Cl)	250	125	43	40.5	36.3 M	37.6	37.6	43.5	37.6	40.5
Hardness, total, filtered (mg/l as CaCO3)		1100	763	794	820	715	814	824	809	777
Organic										
Acetone (ug/l)	9000	1800		<2.7		5.2 J		<8.6		<8.6

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-309										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			939.27	939.32	939.25	937.79	938.25	937.45	937.87	
ph-Field (standard units)			7.44	7.17	7.38	7.55	7.12	7.14	7.1	
				7.17						
Specific conductance-field (umhos/cm @ 25c)		1800	438	1084	475	954	663	828	765	
		1800		1084						
Temperature, water (degrees centigrade)			7.6	12.7	9	11.3	15.4	12	9.8	
				12.7						
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		520	454	494	432	399	433	460	478	
		520		481						
Chloride, dissolved (mg/l as Cl)	250	125	17.6	21.9	8.9	12.1	10.7	13.4	13.1	
	250	125		22						
Hardness, total, filtered (mg/l as CaCO3)		630	603	624	526	535	610	570	536	
		630		**653**						
Organic										
Acetone (ug/l)	9000	1800		5.5 J		3.7 J		<8.6		
	9000	1800		3.8 J						
Chloromethane (ug/l)	30	3		<2.2		<2.2		<1.6		
	30	3		2.7 J						

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-403										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Comment, well obstructed								Yes		
Groundwater elevation (ft MSL)			930.54	930.77	931.07	930.17	930.57		932.97	931.03
ph-Field (standard units)			6.85	6.85	7.4	6.77	7		6.87	6.94
Specific conductance-field (umhos/cm @ 25c)		1900	**1990**	1068	765	1623	1754		1407	1623
Temperature, water (degrees centigrade)			9	10	9.6	11.9	11.7		8.1	13.7
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		870	**996**	**1120**	**1010**	**1130**	**1140**		**1170**	**1140**
Chloride, dissolved (mg/l as Cl)	250	125	**135**	95.8	46.4	59	47		37.5	38.8
Hardness, total, filtered (mg/l as CaCO3)		830	**1300**	**1080**	**985**	**1110**	**1030**		**979**	**1000**
Organic										
1,1-Dichloroethane (ug/l)	850	85	0.55 J	0.37 J	0.52 J	0.35 J	<0.3		<0.3	<0.3
Acetone (ug/l)	9000	1800	4.9 J	6.1 J	6.2 J	12.9 J	64.4		13 J	<8.6
Benzene (ug/l)	5	0.5	0.44 J	**0.6 J**	0.36 J	**0.71 J**	0.36 J		0.39 J	**0.5 J**
cis-1,2-Dichloroethene (ug/l)	70	7	1	0.61 J	0.56 J	<0.27	<0.47		<0.47	<0.47
Naphthalene (ug/l)	100	10	3.1 J	<1.2	<1.2	<1.2	<1.1		<1.1	<1.1
Vinyl chloride (ug/l)	0.2	0.02	**1.9**	<0.17	**0.89 J**	<0.17	<0.17		**0.5 J**	<0.17

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-406										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			933.53	933.68	933.6	933.15	933.48	933.03	932.7	932.63
ph-Field (standard units)			7.57	7	7.06	6.94	6.94	6.99	7.22	6.8
			7.57	7						6.8
Specific conductance-field (umhos/cm @ 25c)		1200	588	712	451	1142	923	1097	1080	**1253**
		1200	588	712						**1253**
Temperature, water (degrees centigrade)			6.2	10.6	7.5	11	13.9	11.9	7.8	11.2
			6.2	10.6						11.2
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		640	**711**	**774**	**721**	**663**	**792**	**743**	**763**	**705**
		640	**715**	**776**						**739**
Chloride, dissolved (mg/l as Cl)	250	125	27.6	29.9	29	21.9	23.3	24.9	20.9	4.8
	250	125	27.3	29						21.8
Hardness, total, filtered (mg/l as CaCO3)		590	**733**	**735**	**718**	**717**	**870**	**778**	**732**	**630**
		590	**723**	**744**						**674**
Organic										
Acetone (ug/l)	9000	1800	5.3 J	6.7 J	5.3 J	<2.7	<8.6	<8.6	<8.6	<8.6
	9000	1800		<2.7						<8.6

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-428 (GRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			936.87	939.01	938.75	936.67	935.82	936.37	935.22	937.2
ph-Field (standard units)			7.27	7.04	7.32	7.48	7.1	6.97	7.2	6.82
Specific conductance-field (umhos/cm @ 25c)			604	1339	611	1307	809	1391	1141	1285
Temperature, water (degrees centigrade)			8.7	12.8	7.7	12.8	13.1	13	9.5	14.1
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			670	709	674	619	697	627	649	605
Arsenic, dissolved (ug/l As)	10	1	0.36 J							
Barium, dissolved (ug/l as Ba)	2000	400	61.2							
Boron, dissolved (mg/l as B)	1	0.2	0.0445	0.0418						
Cadmium, dissolved (ug/l as Cd)	5	0.5	<0.15							
Chloride, dissolved (mg/l as Cl)	250	125	40.5	30.8	30.1	41.9	47.6	55.2	63	98.4
Chromium, dissolved (ug/l as Cr)	100	10	<1							
COD, filtered (mg/l)			<13.4	<13.4						
Copper, dissolved (ug/l Cu)	1300	130	3.2 J							
Cyanide, total (mg/l as CN)	0.2	0.04	<0.0068							
Fluoride, dissolved (mg/l as F)	4	0.8	<0.5 M	<0.1						
Hardness, total, filtered (mg/l as CaCO3)			806	799	831	784	841	835	764	756
Lead, dissolved (ug/l as Pb)	15	1.5	<0.24							
Manganese, dissolved (ug/l as Mn)	50	25	**467**	**455**						
Mercury, dissolved (ug/l as Hg)	2	0.2	<0.084							
Nitrite + nitrate, dis. (mg/l as N)	10	2	**3.7**	**4.3**						
Nitrogen, ammonia, dissolved (mg/l as N)	9.7	0.97	<0.25	<0.25						
Selenium, dissolved (ug/l as Se)	50	10	<0.32							

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-428 (GRL)										
Silver, dissolved (ug/l as Ag)	50	10	<0.1							
Sodium, dissolved (mg/l as Na)			19	20						
Sulfate, dissolved (mg/l as SO4)	250	125	88.9	89.1						
Zinc, dissolved (ug/l as Zn)	5000	2500	20							
Organic										
1,1,1-Trichloroethane (ug/l)	200	40	0.31 J			0.3 J		<0.3		0.31 J
1,1-Dichloroethane (ug/l)	850	85	2.2			1.9		1.3		1.3 M
1,2-Dichloropropane (ug/l)	5	0.5	**3.1**			**2.7**		**2.3**		**2.4**
Acetone (ug/l)	9000	1800	3.3 J			<2.7		<8.6		<8.6
Chlorobenzene (ug/l)	100	20	1.1 J			1 J		1.1		1.1
cis-1,2-Dichloroethene (ug/l)	70	7	**20.3**			**21.4**		**15.1**		**14.4**
Tetrachloroethylene (ug/l)	5	0.5	**1.5**			**1.7**		**1.6**		**1.8**
trans-1,2-Dichloroethene, total (ug/l)	100	20	<1.1			0.91 J		0.55 J		0.71 J
Trichloroethylene (ug/l)	5	0.5	**37.4**			**35**		**30.2**		**29.8**

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-403A										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Comment, well obstructed								Yes		
Groundwater elevation (ft MSL)			928.31	928.99	928.77	927.79	928.16		928.59	928
ph-Field (standard units)			6.96	7.48	7.45	7.11	7.04		7.05	6.87
Specific conductance-field (umhos/cm @ 25c)		2900	1720	1011	622	1504	1877		1411	1740
Temperature, water (degrees centigrade)			8.9	14.1	6.4	13.5	10.8		9.7	12.8
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		860	848 M	**862**	**950**	**909**	**977**		**1010 M**	**864**
Chloride, dissolved (mg/l as Cl)	400	400	264	227	214	199	192		168	221
Hardness, total, filtered (mg/l as CaCO3)		1300	1110	1030	1040	1110	1080		975	946
Organic										
1,1-Dichloroethane (ug/l)	850	85	0.33 J	0.42 J	0.44 J	0.52 J	0.34 J		<0.3	0.5 J
Acetone (ug/l)	9000	1800	6 J	7.3 J	6.2 J	3.7 J	<8.6		<8.6	<8.6
Benzene (ug/l)	5	0.5	**0.78 J**	**1.3**	**0.78 J**	**1.1**	**1.1**		**0.69 J**	**1.2**
cis-1,2-Dichloroethene (ug/l)	70	7	0.85 J	1.3	0.65 J	1.2	0.98 J		0.78 J	1.3
Ethylbenzene (ug/l)	700	140	0.29 J	<0.22	<0.32	<0.32	<0.33		<0.33	<0.33
m&p-Xylene (ug/l)	2000	400	1.3 J	<0.47						
Naphthalene (ug/l)	100	10	3.5 J	<1.2	<1.2	<1.2	<1.1		<1.1	<1.1
o-Xylene (ug/l)	2000	400	0.62 J	<0.26						
Tetrahydrofuran (ug/l)	50	10	3.2 J	2.6 J	3.6 J	2.5 J	3.5 J		<2.4	<2.4
Toluene (ug/l)	800	160	0.7 J	<0.17	<0.27	<0.27	<0.29		<0.29	<0.29
Vinyl chloride (ug/l)	0.2	0.02	**0.61 J**	**1.4**	**0.46 J**	**1.1**	**1.3**		**1**	**2.3**

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-406A										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			932.73	933.27	932.95	932.47	932.8	932.47	932.61	932.55
ph-Field (standard units)			7.4	7.75	7.62	7.62	7.26	7.22	7.87	7.65
			7.4							
Specific conductance-field (umhos/cm @ 25c)		1100	326	396	343	724	634	601	664	789
		1100	326							
Temperature, water (degrees centigrade)			8	10.7	9.4	10.7	15.2	12	7.9	10.1
			8							
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		560	350	353	353	344	348	375	384	390
		560	347							
Chloride, dissolved (mg/l as Cl)	250	125	22.7	21.3	19	22.3	18.2	25.5	24.3	28
	250	125	22.7							
Hardness, total, filtered (mg/l as CaCO3)		570	362	336	335	361	385	403	365	416
		570	345							
Organic										
Acetone (ug/l)	9000	1800	3.6 J	<2.7	<2.7	<2.7	<8.6	<8.6	<8.6	<8.6
Vinyl chloride (ug/l)	0.2	0.02	**2.2**	**3.6**	**1.2**	**2**	**1.7**	**2.6**	**1.8**	**3.5**

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-406B										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			933.42	933.77	933.52	933.02	933.27	933.02	933.36	933.07
ph-Field (standard units)			7.48	7.51	7.42	7.67	7.52	7.32	7.61	7.46
			7.48		7.42	7.67	7.52		7.61	
Specific conductance-field (umhos/cm @ 25c)		970	341	384	327	717	622	592	707	693
		970	341		327	717	622		707	
Temperature, water (degrees centigrade)			7.5	11.3	9.3	9.9	15.4	10.5	8	12.7
			7.5		9.3	9.9	15.4		8	
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		560	343	333	353	333	341	347	355	343
		560	321		351	334	340		350	
Chloride, dissolved (mg/l as Cl)	250	125	10.1 M	10.2	10.2	10.5	10.2	10.6	10.2	10.1
	250	125	10		10.2	10.5	10.2		9.8	
Hardness, total, filtered (mg/l as CaCO3)		630	399	394	376	409	433	415	377	346
		630	399		372	406	425		373	
Organic										
1,1-Dichloroethane (ug/l)	850	85	1.8	2.3	1.8	1.6	0.94 J	0.81 J	0.79 J	0.71 J
	850	85	1.8		1.9	1.6	0.86 J		0.58 J	
1,2-Dichloropropane (ug/l)	5	0.5	0.29 J	0.42 J	<0.28	0.45 J	<0.45	<0.45	<0.45	<0.45
	5	0.5	<0.28		0.36 J	0.48 J	<0.45		<0.45	
Acetone (ug/l)	9000	1800	4.6 J	8.3 J	4.7 J	<2.7	<8.6	<8.6	<8.6	<8.6
	9000	1800	3.1 J		3.8 J	10.7 J	<8.6		<8.6	
Benzene (ug/l)	5	0.5	**0.96 J**	**1.1**	**1.2**	**1.2**	**1**	**0.89 J**	**0.82 J**	**0.8 J**
	5	0.5	**1.1**		**1.2**	**1.3**	**1 J**		**0.69 J**	
cis-1,2-Dichloroethene (ug/l)	70	7	0.71 J	0.79 J	0.51 J	0.49 J	<0.47	<0.47	<0.47	<0.47
	70	7	0.67 J		0.46 J	0.51 J	<0.47		<0.47	

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-406B										
Vinyl chloride (ug/l)	0.2	0.02	**0.29 J**	**0.22 J**	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
	0.2	0.02	**0.27 J**		<0.17	<0.17	<0.17		<0.17	

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-428A (GRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			936.61	937.68	937.16	935.7	935.49	935.41	935.09	935.53
ph-Field (standard units)			7.84	7.68	7.55	7.59	7.62	7.26	7.68	7.48
Specific conductance-field (umhos/cm @ 25c)			393	824	459	866	612	833	828	750
Temperature, water (degrees centigrade)			9	12.9	10	10.7	14.3	12.9	9.2	12.8
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			353	373	372	357	357	346	372	376
Arsenic, dissolved (ug/l As)	10	1	**4.4**	**4.6**						
Barium, dissolved (ug/l as Ba)	2000	400	68.2							
Boron, dissolved (mg/l as B)	1	0.2	0.0377	0.0348						
Cadmium, dissolved (ug/l as Cd)	5	0.5	<0.15							
Chloride, dissolved (mg/l as Cl)	250	125	29.3	29.7	29.8	30.5	31.2	30.8	32.3	32.1
Chromium, dissolved (ug/l as Cr)	100	10	<1							
COD, filtered (mg/l)			<13.4	<13.4						
Copper, dissolved (ug/l Cu)	1300	130	<1.1							
Cyanide, total (mg/l as CN)	0.2	0.04	<0.0068							
Fluoride, dissolved (mg/l as F)	4	0.8	<0.1	<0.1						
Hardness, total, filtered (mg/l as CaCO3)			465	499	518	444	541	476	459	438
Lead, dissolved (ug/l as Pb)	15	1.5	<0.24							
Manganese, dissolved (ug/l as Mn)	50	25	21.3	12.7						
Mercury, dissolved (ug/l as Hg)	2	0.2	<0.084							
Nitrite + nitrate, dis. (mg/l as N)	10	2	<0.095	0.13 J						
Nitrogen, ammonia, dissolved (mg/l as N)	9.7	0.97	<0.25	<0.25						
Selenium, dissolved (ug/l as Se)	50	10	<0.32							

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-428A (GRL)										
Silver, dissolved (ug/l as Ag)	50	10	<0.1							
Sodium, dissolved (mg/l as Na)			11.1	9.99						
Sulfate, dissolved (mg/l as SO4)	250	125	84.2	82.1						
Zinc, dissolved (ug/l as Zn)	5000	2500	5.4 J							
Organic										
Acetone (ug/l)	9000	1800	5.2 J			<2.7		<8.6		<8.6
W-009RR										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			926.97	927.92	928.72	925.77	927.22	926.87	926.45	926.95
ph-Field (standard units)			6.89	7.11	7.33	7.14	7.07	7.17	7.03	7.02
Specific conductance-field (umhos/cm @ 25c)		2100	1120	930	1295	1123	1342	1285	1269	1064
Temperature, water (degrees centigrade)			11.3	14	12.8	13.2	14.3	8.1	10.9	16.8
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		1200	613	707	753	661	758	764	738	748
Chloride, dissolved (mg/l as Cl)	250	125	23.4	32.2	28.9	33.5	36.9	33.7	36.9	35.5
Hardness, total, filtered (mg/l as CaCO3)		1300	630	757	786	747	765	809	778	742
Organic										
Acetone (ug/l)	9000	1800		4.6 J		<2.7		<8.6		<8.6
Benzene (ug/l)	5	0.5		<0.25		<0.25		<0.3		**0.5 J**
Tetrahydrofuran (ug/l)	50	10		**36.5**		**19.3 J**		**17 J**		**33**
Toluene (ug/l)	800	160		<0.17		<0.27		<0.29		0.44 J

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-010R										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			926.94	926.72	926.56	926.09	926.52	926.04	926.14	926.09
ph-Field (standard units)			7.47	7.05	7.29	7.3	6.99	7.55	7.43	7.12
Specific conductance-field (umhos/cm @ 25c)		2100	1320	1245	1371	1290	1093	1062	770	1048
Temperature, water (degrees centigrade)			7.9	13.3	8.9	12.5	10.6	13.5	8.6	13.3
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		950	676	682	690	654	551	523	417	607
Chloride, dissolved (mg/l as Cl)	250	125	33.7	38.1	32.5	39.2	18.1 M	21.4	14.4	23.9
Hardness, total, filtered (mg/l as CaCO3)		960	864	867	822	855	527	522	453	756
Organic										
Acetone (ug/l)	9000	1800		6.9 J		<2.7		<8.6		<8.6
cis-1,2-Dichloroethene (ug/l)	70	7		3.9		4.5		1.7		2.9

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-158 (GRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			924.76	926.61	925.21	924.06	925.98	924.66	926.31	925.26
ph-Field (standard units)			7.1	7	7.57	6.94	7.01	7.51	6.92	6.75
Specific conductance-field (umhos/cm @ 25c)		800	**870**	**862**	**855**	**965**	**897**	**948**	**932**	**869**
Temperature, water (degrees centigrade)			7.4	15.3	6.5	13.7	10.3	14.3	8.1	15.5
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		440	**528**	**472**	**488**	**536**	**535**	**562**	**553**	**596**
Chloride, dissolved (mg/l as Cl)	250	125	3.1	1.8 J	2.3	2.1	2.3	2.1	2.9	2.1
Hardness, total, filtered (mg/l as CaCO3)		500	**546**	484	**512**	**601**	436	**620**	**553**	**543**
Organic										
Acetone (ug/l)	9000	1800	3.8 J	7.6 J	8.2 J	<2.7	<8.6	20.3 J	<8.6	<8.6

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-159 (GRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			925.22	926.6	925.5	925.2	926.05	925.1	926.55	925.31
ph-Field (standard units)			7.33	7.32	7.59	7.29	7.06	7.46	7.44	7.09
Specific conductance-field (umhos/cm @ 25c)		1100	619	**1540**	730	880	820	886	678	778
Temperature, water (degrees centigrade)			8.7	12.1	9.2	12.9	10.5	11.8	8.3	15.3
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		500	335	437	474	471	464	**528**	377	489
Chloride, dissolved (mg/l as Cl)	250	125	2.2	2.5	1.8 J	7.1	2.5	8	3.9	7.5
Hardness, total, filtered (mg/l as CaCO3)		640	445	515	528	566	386	558	368	490
Organic										
Acetone (ug/l)	9000	1800		2.9 J		14.6 J		<8.6		<8.6

Notes: Bold = PAL exceedance, bold + underlined = ES exceedance (groundwater samples only). Only VOCs detected at each sampling point in at least one of the sampling events are shown. Where more than one sample was collected per reporting period (duplicates and/or resampling), these results are shown in the rows below the original sample.

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B Compound detected in blank.
P Did not meet required preservation and/or hold time.
M Failed method QC check.

Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-159A (GRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			925.22	926.67	925.52	925.18	925.92	925.12	926.92	925.42
ph-Field (standard units)			7.29	7.3	7.34	7.37	7.39	7.48	7.33	7.18
								7.48	7.33	
Specific conductance-field (umhos/cm @ 25c)		720	599	**1300**	664	671	685	692	671	638
		720						692	671	
Temperature, water (degrees centigrade)			9.3	10.8	9.8	11.8	11.1	9.6	9.6	13.6
								9.6	9.6	
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		430	320	385	355	353	366	361	388	423
		430						360	382	
Chloride, dissolved (mg/l as Cl)	250	125	3.5	3.1	3.1	4.3	4.1	5.1	4	3.4
	250	125						5.1	4.4	
Hardness, total, filtered (mg/l as CaCO3)		440	346	389	387	391	319	396	395	**441**
		440						396	387	
Organic										
Acetone (ug/l)	9000	1800		<2.7		<2.7		9.9 J		<8.6
	9000	1800						<8.6		

Notes: Bold = PAL exceedance, bold + underlined = ES exceedance (groundwater samples only). Only VOCs detected at each sampling point in at least one of the sampling events are shown. Where more than one sample was collected per reporting period (duplicates and/or resampling), these results are shown in the rows below the original sample.

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B Compound detected in blank.
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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-160R										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			926.69	928.14	928.34	926.02	927.09	926.89	926.79	926.99
ph-Field (standard units)			7.6	7.46	7.69	7.58	7.43	7.59	7.48	7.44
Specific conductance-field (umhos/cm @ 25c)		2000	1050	865	1033	977	941	1078	846	893
Temperature, water (degrees centigrade)			8.4	16.2	9.2	15.4	13.3	14.7	9.2	13.2
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		1100	522	495	487	485	480	507	416	495
Chloride, dissolved (mg/l as Cl)	250	125	65.7	56.8	59.4	44	40.8	54.8	44	35.9
Hardness, total, filtered (mg/l as CaCO3)		1100	620	553	553	624	558	605	450	565
Organic										
Acetone (ug/l)	9000	1800	3.6 J	8.4 J	4 J	12.3 J	<2.7	<8.6	<8.6	<8.6
Toluene (ug/l)	800	160	<0.17	0.29 J	<0.27	<0.27	<0.27	0.68 J	<0.29	<0.29

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-161R (GRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			927.46	940.46	926.36	925.86	924.76	925.71	924.16	925.01
ph-Field (standard units)			7.57	7.06	7.71	6.99	6.97	7.15	7.24	7.07
							6.97			
Specific conductance-field (umhos/cm @ 25c)		1100	**1170**	985	**1186**	1058	**1220**	**1103**	**1325**	**1170**
		1100					**1270**			
Temperature, water (degrees centigrade)			8.9	13.9	9.5	12.7	13.2	14.2	10.4	13.2
							13.2			
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		740	571	592 M	559	517	575	647	701	627
		740					592			
Chloride, dissolved (mg/l as Cl)	250	125	40	56	28.6	35.9	60.6	59.6	80.4	56.9
	250	125					56.7			
Hardness, total, filtered (mg/l as CaCO3)		640	**698**	**660**	**734**	**694**	**682**	**811**	**787**	**725**
		640					**680**			
Organic										
Acetone (ug/l)	9000	1800		8 J		<2.7		<8.6		<8.6
cis-1,2-Dichloroethene (ug/l)	70	7		0.44 J		1.3		<0.47		0.57 J
Vinyl chloride (ug/l)	0.2	0.02		**0.86 J**		<0.17		**0.64 J**		**0.28 J**

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M Failed method QC check.

Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-163 (GRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			924.48	925.43	924.35	924.62	924.98	925.23	925.29	924.8
ph-Field (standard units)			7.77	7.36	7.39	7.14	7.62	7.42	7.62	7.06
Specific conductance-field (umhos/cm @ 25c)		1400	374	511	369	855	716	870	875	792
Temperature, water (degrees centigrade)			8.5	12	9	11.7	17.4	16	6.8	10.8
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		520	357	369	360	372	372	406	417	389
Chloride, dissolved (mg/l as Cl)	250	140	64.5	62.5	60.8	64.2	66.6	71.2	65.2	71.1
Hardness, total, filtered (mg/l as CaCO3)		790	388	688	349	535	**2530**	464	397	445
Organic										
Acetone (ug/l)	9000	1800	<2.7	12.4 J	2.8 J	11.2 J	<8.6	<8.6	<8.6	<8.6
Toluene (ug/l)	800	160	<0.17	0.24 J	<0.27	0.27 J	<0.29	<0.29	<0.29	<0.29

Notes: Bold = PAL exceedance, bold + underlined = ES exceedance (groundwater samples only). Only VOCs detected at each sampling point in at least one of the sampling events are shown. Where more than one sample was collected per reporting period (duplicates and/or resampling), these results are shown in the rows below the original sample.

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Historic Monitoring Results - Last 8 Events
Selected Wells in Glacier Ridge Landfill Monitoring Program

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-163A (GRL)										
Reporting Period			4/1/2019	10/1/2019	4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022
Field										
Groundwater elevation (ft MSL)			926.12	927.36	926.02	926.07	926.62	926.37	926.57	927.94
ph-Field (standard units)			6.94	7.79	7.52	7.34	7.64	7.63	7.79	7.29
Specific conductance-field (umhos/cm @ 25c)		760	209	213	331	343	410	312	345	398
Temperature, water (degrees centigrade)			8.8	15.5	14.1	9.4	13.2	12.9	7.8	10.4
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		320	188	189	192	175 M	218	186	183	210
Chloride, dissolved (mg/l as Cl)	250	125	9.7 M	7.6	3.8	2.2	10.1	3.5	3.4	5.8
Hardness, total, filtered (mg/l as CaCO3)		360	187	193	159	140	187	159	164	205
Organic										
Acetone (ug/l)	9000	1800	<2.7	10.2 J	4.3 J	5.5 J	<8.6	<8.6	<8.6	<8.6
Chloroethane (ug/l)	400	80	<1.3	1.6 J	<1.3	<1.3	<1.4	<1.4	<1.4	<1.4

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M Failed method QC check.

Attachment C

Investigation Laboratory Reports (April and October 2022)

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

May 19, 2022

Lonn Walter
GFL Enviromental
N7296 Hwy V
Horicon, WI 53032

RE: Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Dear Lonn Walter:

Enclosed are the analytical results for sample(s) received by the laboratory between April 05, 2022 and May 18, 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 - Green Bay

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

Sincerely,

Cindy K Varga

Cindy Varga
cindy.varga@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Sherren Clark, SCS Engineers
Environmental Sampling Corporation Staff, Environmental Sampling Corporation
Jake Margelofsky, GFL Enviromental
Frank Perugini, Environmental Sampling Corporation
Kari Rabideau, GFL Environmental
Ashley Radunzel, SCS ENGINEERS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40242907001	**P-422B**	Water	04/04/22 11:30	04/05/22 08:35
40243030001	**MW-1B**	Water	04/06/22 12:40	04/07/22 08:50
40243161001	**P-401D**	Water	04/07/22 10:15	04/08/22 08:45
40243161002	**P-402E**	Water	04/07/22 10:55	04/08/22 08:45
40243161003	**P-430D**	Water	04/07/22 12:20	04/08/22 08:45
40243161004	**TRIP BLANK**	Water	04/07/22 00:00	04/08/22 08:45
40243241001	**P-426SS**	Water	04/08/22 11:35	04/09/22 08:40
40243241002	**P-426D**	Water	04/08/22 12:10	04/09/22 08:40
40243241003	**P-423D**	Water	04/08/22 12:55	04/09/22 08:40
40243241004	**TRIP BLANK**	Water	04/08/22 00:00	04/09/22 08:40
40244147001	**P-424D**	Water	04/28/22 11:10	04/29/22 08:35
40244147002	**P-424SS**	Water	04/28/22 13:00	04/29/22 08:35
40244147003	**P-429SS**	Water	04/28/22 16:15	04/29/22 08:35
40244147004	**TRIP BLANK**	Water	04/28/22 00:00	04/29/22 08:35
40242907015	**P-401D**	Water	04/01/22 00:00	05/18/22 11:11
40242907016	**P-402E**	Water	04/01/22 00:00	05/18/22 11:11
40242907017	**P-422B**	Water	04/01/22 00:00	05/18/22 11:11
40242907018	**P-423D**	Water	04/01/22 00:00	05/18/22 11:11
40242907019	**P-424D**	Water	04/01/22 00:00	05/18/22 11:11
40242907020	**P-424SS**	Water	04/01/22 00:00	05/18/22 11:11
40242907021	**P-426D**	Water	04/01/22 00:00	05/18/22 11:11
40242907022	**P-426SS**	Water	04/01/22 00:00	05/18/22 11:11
40242907023	**P-429SS**	Water	04/01/22 00:00	05/18/22 11:11
40242907024	**P-430D**	Water	04/01/22 00:00	05/18/22 11:11
40242907025	**MW-1B**	Water	04/01/22 00:00	05/18/22 11:11

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SAMPLE ANALYTE COUNT

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40242907001	**P-422B**	EPA 6010D	TXW	1	PASI-G
		EPA 8260	SMT	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40243030001	**MW-1B**	EPA 6010D	TXW	1	PASI-G
		EPA 8260	SMT	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40243161001	**P-401D**	EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40243161002	**P-402E**	EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40243161003	**P-430D**	EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40243161004	**TRIP BLANK**	EPA 8260	LAP	45	PASI-G
40243241001	**P-426SS**	EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40243241002	**P-426D**	EPA 6010D	TXW	1	PASI-G
		EPA 8260	LAP	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40243241003	**P-423D**	EPA 6010D	TXW	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	LAP	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40243241004	**TRIP BLANK**	EPA 8260	LAP	45	PASI-G
40244147001	**P-424D**	EPA 6010D	TXW	1	PASI-G
		EPA 8260	JAV	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40244147002	**P-424SS**	EPA 6010D	TXW	1	PASI-G
		EPA 8260	JAV	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40244147003	**P-429SS**	EPA 6010D	TXW	1	PASI-G
		EPA 8260	JAV	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40244147004	**TRIP BLANK**	EPA 8260	JAV	45	PASI-G
40242907015	**P-401D**		AXL	1	PASI-G
40242907016	**P-402E**		AXL	1	PASI-G
40242907017	**P-422B**		AXL	1	PASI-G
40242907018	**P-423D**		AXL	1	PASI-G
40242907019	**P-424D**		AXL	1	PASI-G
40242907020	**P-424SS**		AXL	1	PASI-G
40242907021	**P-426D**		AXL	1	PASI-G
40242907022	**P-426SS**		AXL	1	PASI-G
40242907023	**P-429SS**		AXL	1	PASI-G
40242907024	**P-430D**		AXL	1	PASI-G
40242907025	**MW-1B**		AXL	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-422B **Lab ID: 40242907001** Collected: 04/04/22 11:30 Received: 04/05/22 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**167000**	ug/L	2000	150	1		04/07/22 17:31		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 03:52	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/12/22 03:52	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 03:52	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/12/22 03:52	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/12/22 03:52	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/12/22 03:52	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 03:52	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/12/22 03:52	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/12/22 03:52	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/12/22 03:52	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/12/22 03:52	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/12/22 03:52	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/12/22 03:52	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/12/22 03:52	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 03:52	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/12/22 03:52	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/12/22 03:52	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		04/12/22 03:52	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/12/22 03:52	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/12/22 03:52	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/12/22 03:52	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/12/22 03:52	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/12/22 03:52	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/12/22 03:52	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/12/22 03:52	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/12/22 03:52	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 03:52	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/12/22 03:52	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/12/22 03:52	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/12/22 03:52	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 03:52	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/12/22 03:52	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/12/22 03:52	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/12/22 03:52	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/12/22 03:52	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 03:52	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/12/22 03:52	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/12/22 03:52	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/12/22 03:52	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 03:52	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-422B **Lab ID: 40242907001** Collected: 04/04/22 11:30 Received: 04/05/22 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/12/22 03:52	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/12/22 03:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/12/22 03:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/12/22 03:52	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		04/12/22 03:52	2037-26-5	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.85**	Std. Units			1		04/04/22 11:30		
Field Specific Conductance	**428**	umhos/cm			1		04/04/22 11:30		
Turbidity	**N**	NTU			1		04/04/22 11:30		
Apparent Color	**N**	no units			1		04/04/22 11:30		
Odor	**N**	no units			1		04/04/22 11:30		
Temperature, Water (C)	**9.6**	deg C			1		04/04/22 11:30		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**11.1**	mg/L	2.0	0.43	1		04/12/22 01:41	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**222**	mg/L	25.0	5.2	1		04/07/22 11:54		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: MW-1B **Lab ID: 40243030001** Collected: 04/06/22 12:40 Received: 04/07/22 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**356000**	ug/L	2000	150	1		04/11/22 17:25		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 20:45	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/11/22 20:45	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/11/22 20:45	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/11/22 20:45	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/11/22 20:45	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/11/22 20:45	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/11/22 20:45	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/11/22 20:45	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/11/22 20:45	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/11/22 20:45	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/11/22 20:45	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/11/22 20:45	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/11/22 20:45	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/11/22 20:45	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/11/22 20:45	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/11/22 20:45	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/11/22 20:45	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		04/11/22 20:45	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/11/22 20:45	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/11/22 20:45	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/11/22 20:45	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/11/22 20:45	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/11/22 20:45	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/11/22 20:45	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/11/22 20:45	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/11/22 20:45	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/11/22 20:45	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/11/22 20:45	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/11/22 20:45	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/11/22 20:45	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 20:45	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/11/22 20:45	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/11/22 20:45	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/11/22 20:45	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/11/22 20:45	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/11/22 20:45	75-69-4	
Vinyl chloride	**5.4**	ug/L	1.0	0.17	1		04/11/22 20:45	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/11/22 20:45	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/11/22 20:45	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/11/22 20:45	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: MW-1B **Lab ID: 40243030001** Collected: 04/06/22 12:40 Received: 04/07/22 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/11/22 20:45	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/11/22 20:45	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/11/22 20:45	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/11/22 20:45	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/11/22 20:45	2037-26-5	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.89**	Std. Units			1		04/06/22 12:40		
Field Specific Conductance	**755**	umhos/cm			1		04/06/22 12:40		
Turbidity	**N**	NTU			1		04/06/22 12:40		
Apparent Color	**N**	no units			1		04/06/22 12:40		
Odor	**N**	no units			1		04/06/22 12:40		
Temperature, Water (C)	**10.6**	deg C			1		04/06/22 12:40		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**162**	mg/L	10.0	2.2	5		04/13/22 21:26	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**187**	mg/L	50.0	10.4	2		04/12/22 12:23		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-401D **Lab ID: 40243161001** Collected: 04/07/22 10:15 Received: 04/08/22 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**295000**	ug/L	2000	150	1		04/11/22 18:21		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 18:13	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/12/22 18:13	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 18:13	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/12/22 18:13	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/12/22 18:13	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/12/22 18:13	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 18:13	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/12/22 18:13	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/12/22 18:13	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/12/22 18:13	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/12/22 18:13	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/12/22 18:13	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/12/22 18:13	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/12/22 18:13	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 18:13	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/12/22 18:13	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/12/22 18:13	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		04/12/22 18:13	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/12/22 18:13	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/12/22 18:13	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/12/22 18:13	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/12/22 18:13	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/12/22 18:13	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/12/22 18:13	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/12/22 18:13	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/12/22 18:13	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 18:13	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/12/22 18:13	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/12/22 18:13	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/12/22 18:13	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 18:13	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/12/22 18:13	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/12/22 18:13	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/12/22 18:13	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/12/22 18:13	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 18:13	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/12/22 18:13	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/12/22 18:13	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/12/22 18:13	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 18:13	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-401D **Lab ID: 40243161001** Collected: 04/07/22 10:15 Received: 04/08/22 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/12/22 18:13	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/12/22 18:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/12/22 18:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		04/12/22 18:13	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/12/22 18:13	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.13**	Std. Units			1		04/07/22 10:15		
Field Specific Conductance	**725**	umhos/cm			1		04/07/22 10:15		
Turbidity	**N**	NTU			1		04/07/22 10:15		
Apparent Color	**N**	no units			1		04/07/22 10:15		
Odor	**N**	no units			1		04/07/22 10:15		
Temperature, Water (C)	**10.6**	deg C			1		04/07/22 10:15		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**18.6**	mg/L	2.0	0.43	1		04/14/22 22:31	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**376**	mg/L	50.0	10.4	2		04/15/22 12:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-402E **Lab ID: 40243161002** Collected: 04/07/22 10:55 Received: 04/08/22 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**426000**	ug/L	2000	150	1		04/11/22 18:24		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.76**	ug/L	2.5	0.76	2.5		04/12/22 19:33	71-55-6	
1,1,2-Trichloroethane	**<0.86**	ug/L	12.5	0.86	2.5		04/12/22 19:33	79-00-5	
1,1-Dichloroethane	**<0.74**	ug/L	2.5	0.74	2.5		04/12/22 19:33	75-34-3	
1,1-Dichloroethene	**<1.5**	ug/L	2.5	1.5	2.5		04/12/22 19:33	75-35-4	
1,2-Dibromo-3-chloropropane	**<5.9**	ug/L	12.5	5.9	2.5		04/12/22 19:33	96-12-8	
1,2-Dibromoethane (EDB)	**<0.77**	ug/L	2.5	0.77	2.5		04/12/22 19:33	106-93-4	
1,2-Dichlorobenzene	**<0.81**	ug/L	2.5	0.81	2.5		04/12/22 19:33	95-50-1	
1,2-Dichloroethane	**<0.73**	ug/L	2.5	0.73	2.5		04/12/22 19:33	107-06-2	
1,2-Dichloropropane	**<1.1**	ug/L	2.5	1.1	2.5		04/12/22 19:33	78-87-5	
1,3-Dichlorobenzene	**<0.88**	ug/L	2.5	0.88	2.5		04/12/22 19:33	541-73-1	
1,4-Dichlorobenzene	**<2.2**	ug/L	2.5	2.2	2.5		04/12/22 19:33	106-46-7	
2-Butanone (MEK)	**<16.3**	ug/L	62.5	16.3	2.5		04/12/22 19:33	78-93-3	
Acetone	**<21.6**	ug/L	62.5	21.6	2.5		04/12/22 19:33	67-64-1	
Benzene	**<0.74**	ug/L	2.5	0.74	2.5		04/12/22 19:33	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	2.5	1.0	2.5		04/12/22 19:33	75-27-4	
Bromoform	**<9.5**	ug/L	12.5	9.5	2.5		04/12/22 19:33	75-25-2	
Bromomethane	**<3.0**	ug/L	12.5	3.0	2.5		04/12/22 19:33	74-83-9	
Carbon disulfide	**<2.8**	ug/L	12.5	2.8	2.5		04/12/22 19:33	75-15-0	
Carbon tetrachloride	**<0.92**	ug/L	2.5	0.92	2.5		04/12/22 19:33	56-23-5	
Chlorobenzene	**<2.1**	ug/L	2.5	2.1	2.5		04/12/22 19:33	108-90-7	
Chloroethane	**4.0J**	ug/L	12.5	3.4	2.5		04/12/22 19:33	75-00-3	
Chloroform	**<3.0**	ug/L	12.5	3.0	2.5		04/12/22 19:33	67-66-3	
Chloromethane	**<4.1**	ug/L	12.5	4.1	2.5		04/12/22 19:33	74-87-3	
Dibromochloromethane	**<6.6**	ug/L	12.5	6.6	2.5		04/12/22 19:33	124-48-1	
Dibromomethane	**<2.5**	ug/L	12.5	2.5	2.5		04/12/22 19:33	74-95-3	
Dichlorodifluoromethane	**<1.1**	ug/L	12.5	1.1	2.5		04/12/22 19:33	75-71-8	
Ethylbenzene	**<0.81**	ug/L	2.5	0.81	2.5		04/12/22 19:33	100-41-4	
Methyl-tert-butyl ether	**<2.8**	ug/L	12.5	2.8	2.5		04/12/22 19:33	1634-04-4	
Methylene Chloride	**<0.80**	ug/L	12.5	0.80	2.5		04/12/22 19:33	75-09-2	
Naphthalene	**<2.8**	ug/L	12.5	2.8	2.5		04/12/22 19:33	91-20-3	
Styrene	**<0.89**	ug/L	2.5	0.89	2.5		04/12/22 19:33	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	2.5	1.0	2.5		04/12/22 19:33	127-18-4	
Tetrahydrofuran	**<6.0**	ug/L	62.5	6.0	2.5		04/12/22 19:33	109-99-9	
Toluene	**<0.72**	ug/L	2.5	0.72	2.5		04/12/22 19:33	108-88-3	
Trichloroethene	**<0.80**	ug/L	2.5	0.80	2.5		04/12/22 19:33	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	2.5	1.0	2.5		04/12/22 19:33	75-69-4	
Vinyl chloride	**28.5**	ug/L	2.5	0.44	2.5		04/12/22 19:33	75-01-4	
Xylene (Total)	**<2.6**	ug/L	7.5	2.6	2.5		04/12/22 19:33	1330-20-7	
cis-1,2-Dichloroethene	**152**	ug/L	2.5	1.2	2.5		04/12/22 19:33	156-59-2	
cis-1,3-Dichloropropene	**<0.90**	ug/L	2.5	0.90	2.5		04/12/22 19:33	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-402E **Lab ID: 40243161002** Collected: 04/07/22 10:55 Received: 04/08/22 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**4.2**	ug/L	2.5	1.3	2.5		04/12/22 19:33	156-60-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	12.5	8.7	2.5		04/12/22 19:33	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		2.5		04/12/22 19:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		2.5		04/12/22 19:33	2199-69-1	
Toluene-d8 (S)	104	%	70-130		2.5		04/12/22 19:33	2037-26-5	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.16**	Std. Units			1		04/07/22 10:55		
Field Specific Conductance	**835**	umhos/cm			1		04/07/22 10:55		
Turbidity	**N**	NTU			1		04/07/22 10:55		
Apparent Color	**N**	no units			1		04/07/22 10:55		
Odor	**N**	no units			1		04/07/22 10:55		
Temperature, Water (C)	**10.8**	deg C			1		04/07/22 10:55		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**43.1**	mg/L	2.0	0.43	1		04/14/22 22:46	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**410**	mg/L	50.0	10.4	2		04/15/22 12:04		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-430D **Lab ID: 40243161003** Collected: 04/07/22 12:20 Received: 04/08/22 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**388000**	ug/L	2000	150	1		04/11/22 18:26		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 18:33	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/12/22 18:33	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 18:33	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/12/22 18:33	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/12/22 18:33	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/12/22 18:33	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 18:33	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/12/22 18:33	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/12/22 18:33	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/12/22 18:33	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/12/22 18:33	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/12/22 18:33	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/12/22 18:33	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/12/22 18:33	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 18:33	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/12/22 18:33	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/12/22 18:33	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		04/12/22 18:33	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/12/22 18:33	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/12/22 18:33	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/12/22 18:33	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/12/22 18:33	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/12/22 18:33	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/12/22 18:33	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/12/22 18:33	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/12/22 18:33	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 18:33	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/12/22 18:33	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/12/22 18:33	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/12/22 18:33	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 18:33	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/12/22 18:33	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/12/22 18:33	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/12/22 18:33	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/12/22 18:33	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 18:33	75-69-4	
Vinyl chloride	**0.23J**	ug/L	1.0	0.17	1		04/12/22 18:33	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/12/22 18:33	1330-20-7	
cis-1,2-Dichloroethene	**12.6**	ug/L	1.0	0.47	1		04/12/22 18:33	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 18:33	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-430D **Lab ID: 40243161003** Collected: 04/07/22 12:20 Received: 04/08/22 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**0.87J**	ug/L	1.0	0.53	1		04/12/22 18:33	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/12/22 18:33	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		04/12/22 18:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		04/12/22 18:33	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/12/22 18:33	2037-26-5	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.42**	Std. Units			1		04/07/22 12:20		
Field Specific Conductance	**748**	umhos/cm			1		04/07/22 12:20		
Turbidity	**N**	NTU			1		04/07/22 12:20		
Apparent Color	**N**	no units			1		04/07/22 12:20		
Odor	**N**	no units			1		04/07/22 12:20		
Temperature, Water (C)	**10.6**	deg C			1		04/07/22 12:20		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**24.5**	mg/L	2.0	0.43	1		04/14/22 23:01	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**391**	mg/L	50.0	10.4	2		04/15/22 12:05		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: TRIP BLANK **Lab ID: 40243161004** Collected: 04/07/22 00:00 Received: 04/08/22 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 14:29	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/12/22 14:29	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 14:29	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/12/22 14:29	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/12/22 14:29	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/12/22 14:29	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 14:29	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/12/22 14:29	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/12/22 14:29	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/12/22 14:29	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/12/22 14:29	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/12/22 14:29	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/12/22 14:29	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/12/22 14:29	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 14:29	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/12/22 14:29	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/12/22 14:29	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		04/12/22 14:29	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/12/22 14:29	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/12/22 14:29	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/12/22 14:29	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/12/22 14:29	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/12/22 14:29	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/12/22 14:29	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/12/22 14:29	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/12/22 14:29	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 14:29	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/12/22 14:29	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/12/22 14:29	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/12/22 14:29	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 14:29	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/12/22 14:29	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/12/22 14:29	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/12/22 14:29	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/12/22 14:29	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 14:29	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/12/22 14:29	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/12/22 14:29	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/12/22 14:29	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 14:29	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/12/22 14:29	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/12/22 14:29	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/12/22 14:29	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		04/12/22 14:29	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: TRIP BLANK **Lab ID: 40243161004** Collected: 04/07/22 00:00 Received: 04/08/22 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		04/12/22 14:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-426SS **Lab ID: 40243241001** Collected: 04/08/22 11:35 Received: 04/09/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**416000**	ug/L	2000	150	1		04/15/22 11:33		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 17:53	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/12/22 17:53	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 17:53	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/12/22 17:53	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/12/22 17:53	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/12/22 17:53	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 17:53	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/12/22 17:53	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/12/22 17:53	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/12/22 17:53	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/12/22 17:53	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/12/22 17:53	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/12/22 17:53	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/12/22 17:53	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 17:53	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/12/22 17:53	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/12/22 17:53	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		04/12/22 17:53	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/12/22 17:53	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/12/22 17:53	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/12/22 17:53	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/12/22 17:53	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/12/22 17:53	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/12/22 17:53	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/12/22 17:53	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/12/22 17:53	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 17:53	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/12/22 17:53	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/12/22 17:53	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/12/22 17:53	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 17:53	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/12/22 17:53	127-18-4	
Tetrahydrofuran	**2.7J**	ug/L	25.0	2.4	1		04/12/22 17:53	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/12/22 17:53	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/12/22 17:53	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 17:53	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/12/22 17:53	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/12/22 17:53	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/12/22 17:53	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 17:53	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-426SS **Lab ID: 40243241001** Collected: 04/08/22 11:35 Received: 04/09/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/12/22 17:53	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/12/22 17:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		04/12/22 17:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		04/12/22 17:53	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/12/22 17:53	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.07**	Std. Units			1		04/08/22 11:35		
Field Specific Conductance	**774**	umhos/cm			1		04/08/22 11:35		
Turbidity	**N**	NTU			1		04/08/22 11:35		
Apparent Color	**N**	no units			1		04/08/22 11:35		
Odor	**N**	no units			1		04/08/22 11:35		
Temperature, Water (C)	**11.0**	deg C			1		04/08/22 11:35		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**24.6**	mg/L	2.0	0.43	1		04/18/22 22:31	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**363**	mg/L	50.0	10.4	2		04/15/22 12:40		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-426D **Lab ID: 40243241002** Collected: 04/08/22 12:10 Received: 04/09/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**447000**	ug/L	2000	150	1		04/15/22 11:35		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 15:28	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/12/22 15:28	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 15:28	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/12/22 15:28	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/12/22 15:28	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/12/22 15:28	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 15:28	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/12/22 15:28	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/12/22 15:28	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/12/22 15:28	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/12/22 15:28	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/12/22 15:28	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/12/22 15:28	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/12/22 15:28	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 15:28	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/12/22 15:28	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/12/22 15:28	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		04/12/22 15:28	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/12/22 15:28	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/12/22 15:28	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/12/22 15:28	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/12/22 15:28	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/12/22 15:28	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/12/22 15:28	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/12/22 15:28	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/12/22 15:28	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 15:28	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/12/22 15:28	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/12/22 15:28	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/12/22 15:28	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 15:28	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/12/22 15:28	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/12/22 15:28	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/12/22 15:28	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/12/22 15:28	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 15:28	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/12/22 15:28	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/12/22 15:28	1330-20-7	
cis-1,2-Dichloroethene	**1.6**	ug/L	1.0	0.47	1		04/12/22 15:28	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 15:28	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-426D **Lab ID: 40243241002** Collected: 04/08/22 12:10 Received: 04/09/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/12/22 15:28	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/12/22 15:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/12/22 15:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		04/12/22 15:28	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/12/22 15:28	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.12**	Std. Units			1		04/08/22 12:10		
Field Specific Conductance	**747**	umhos/cm			1		04/08/22 12:10		
Turbidity	**N**	NTU			1		04/08/22 12:10		
Apparent Color	**N**	no units			1		04/08/22 12:10		
Odor	**N**	no units			1		04/08/22 12:10		
Temperature, Water (C)	**10.6**	deg C			1		04/08/22 12:10		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**27.9**	mg/L	2.0	0.43	1		04/18/22 22:46	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**383**	mg/L	50.0	10.4	2		04/15/22 12:46		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-423D **Lab ID: 40243241003** Collected: 04/08/22 12:55 Received: 04/09/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**468000**	ug/L	2000	150	1		04/15/22 11:38		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 19:13	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/12/22 19:13	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 19:13	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/12/22 19:13	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/12/22 19:13	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/12/22 19:13	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 19:13	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/12/22 19:13	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/12/22 19:13	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/12/22 19:13	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/12/22 19:13	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/12/22 19:13	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/12/22 19:13	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/12/22 19:13	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 19:13	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/12/22 19:13	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/12/22 19:13	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		04/12/22 19:13	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/12/22 19:13	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/12/22 19:13	108-90-7	
Chloroethane	**1.4J**	ug/L	5.0	1.4	1		04/12/22 19:13	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/12/22 19:13	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/12/22 19:13	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/12/22 19:13	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/12/22 19:13	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/12/22 19:13	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 19:13	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/12/22 19:13	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/12/22 19:13	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/12/22 19:13	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 19:13	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/12/22 19:13	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/12/22 19:13	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/12/22 19:13	108-88-3	
Trichloroethene	**0.80J**	ug/L	1.0	0.32	1		04/12/22 19:13	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 19:13	75-69-4	
Vinyl chloride	**1.1**	ug/L	1.0	0.17	1		04/12/22 19:13	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/12/22 19:13	1330-20-7	
cis-1,2-Dichloroethene	**41.1**	ug/L	1.0	0.47	1		04/12/22 19:13	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 19:13	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-423D **Lab ID: 40243241003** Collected: 04/08/22 12:55 Received: 04/09/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**2.0**	ug/L	1.0	0.53	1		04/12/22 19:13	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/12/22 19:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/12/22 19:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/12/22 19:13	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/12/22 19:13	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.28**	Std. Units			1		04/08/22 12:55		
Field Specific Conductance	**836**	umhos/cm			1		04/08/22 12:55		
Turbidity	**N**	NTU			1		04/08/22 12:55		
Apparent Color	**N**	no units			1		04/08/22 12:55		
Odor	**N**	no units			1		04/08/22 12:55		
Temperature, Water (C)	**10.2**	deg C			1		04/08/22 12:55		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**53.1**	mg/L	2.0	0.43	1		04/18/22 23:01	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**371**	mg/L	125	26.0	5		04/15/22 12:48		M0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: TRIP BLANK **Lab ID: 40243241004** Collected: 04/08/22 00:00 Received: 04/09/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 12:53	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		04/12/22 12:53	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/22 12:53	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/12/22 12:53	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/12/22 12:53	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/12/22 12:53	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 12:53	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/12/22 12:53	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/12/22 12:53	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/12/22 12:53	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/12/22 12:53	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/12/22 12:53	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/12/22 12:53	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/12/22 12:53	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 12:53	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		04/12/22 12:53	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/12/22 12:53	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		04/12/22 12:53	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/12/22 12:53	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/12/22 12:53	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/12/22 12:53	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		04/12/22 12:53	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/12/22 12:53	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/12/22 12:53	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/12/22 12:53	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/12/22 12:53	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/22 12:53	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/12/22 12:53	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/12/22 12:53	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		04/12/22 12:53	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 12:53	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/12/22 12:53	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/12/22 12:53	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/12/22 12:53	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/12/22 12:53	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/22 12:53	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/12/22 12:53	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/12/22 12:53	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/12/22 12:53	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		04/12/22 12:53	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/12/22 12:53	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		04/12/22 12:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		04/12/22 12:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		04/12/22 12:53	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: TRIP BLANK **Lab ID: 40243241004** Collected: 04/08/22 00:00 Received: 04/09/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		04/12/22 12:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-424D **Lab ID: 40244147001** Collected: 04/28/22 11:10 Received: 04/29/22 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**420000**	ug/L	2000	150	1		05/11/22 19:01		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/03/22 14:28	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/03/22 14:28	79-00-5	
1,1-Dichloroethane	**0.57J**	ug/L	1.0	0.30	1		05/03/22 14:28	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/03/22 14:28	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/03/22 14:28	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/03/22 14:28	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/03/22 14:28	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/03/22 14:28	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/03/22 14:28	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/03/22 14:28	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/03/22 14:28	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/03/22 14:28	78-93-3	
Acetone	**18.8J**	ug/L	25.0	8.6	1		05/03/22 14:28	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/03/22 14:28	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/03/22 14:28	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/03/22 14:28	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/03/22 14:28	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/03/22 14:28	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/03/22 14:28	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/03/22 14:28	108-90-7	
Chloroethane	**2.1J**	ug/L	5.0	1.4	1		05/03/22 14:28	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/03/22 14:28	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/03/22 14:28	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/03/22 14:28	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/03/22 14:28	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/03/22 14:28	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/03/22 14:28	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/03/22 14:28	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/03/22 14:28	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/03/22 14:28	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/03/22 14:28	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/22 14:28	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/03/22 14:28	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/03/22 14:28	108-88-3	
Trichloroethene	**1.5**	ug/L	1.0	0.32	1		05/03/22 14:28	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/03/22 14:28	75-69-4	
Vinyl chloride	**5.5**	ug/L	1.0	0.17	1		05/03/22 14:28	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/03/22 14:28	1330-20-7	
cis-1,2-Dichloroethene	**82.1**	ug/L	1.0	0.47	1		05/03/22 14:28	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/03/22 14:28	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-424D **Lab ID: 40244147001** Collected: 04/28/22 11:10 Received: 04/29/22 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**2.5**	ug/L	1.0	0.53	1		05/03/22 14:28	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/03/22 14:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/03/22 14:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		05/03/22 14:28	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		05/03/22 14:28	2037-26-5	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.05**	Std. Units			1		04/28/22 11:10		
Field Specific Conductance	**708**	umhos/cm			1		04/28/22 11:10		
Turbidity	**N**	NTU			1		04/28/22 11:10		
Apparent Color	**N**	no units			1		04/28/22 11:10		
Odor	**N**	no units			1		04/28/22 11:10		
Temperature, Water (C)	**11.4**	deg C			1		04/28/22 11:10		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**36.3**	mg/L	2.0	0.43	1		05/06/22 01:16	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**389**	mg/L	50.0	10.4	2		05/04/22 11:12		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-424SS **Lab ID: 40244147002** Collected: 04/28/22 13:00 Received: 04/29/22 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**306000**	ug/L	2000	150	1		05/11/22 19:04		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/03/22 18:09	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/03/22 18:09	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/03/22 18:09	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/03/22 18:09	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/03/22 18:09	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/03/22 18:09	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/03/22 18:09	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/03/22 18:09	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/03/22 18:09	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/03/22 18:09	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/03/22 18:09	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/03/22 18:09	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/03/22 18:09	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/03/22 18:09	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/03/22 18:09	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/03/22 18:09	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/03/22 18:09	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/03/22 18:09	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/03/22 18:09	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/03/22 18:09	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/03/22 18:09	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/03/22 18:09	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/03/22 18:09	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/03/22 18:09	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/03/22 18:09	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/03/22 18:09	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/03/22 18:09	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/03/22 18:09	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/03/22 18:09	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/03/22 18:09	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/03/22 18:09	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/22 18:09	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/03/22 18:09	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/03/22 18:09	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/03/22 18:09	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/03/22 18:09	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/03/22 18:09	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/03/22 18:09	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/03/22 18:09	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/03/22 18:09	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-424SS **Lab ID: 40244147002** Collected: 04/28/22 13:00 Received: 04/29/22 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/03/22 18:09	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/03/22 18:09	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		05/03/22 18:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		05/03/22 18:09	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		05/03/22 18:09	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.44**	Std. Units			1		04/28/22 13:00		
Field Specific Conductance	**482**	umhos/cm			1		04/28/22 13:00		
Turbidity	**N**	NTU			1		04/28/22 13:00		
Apparent Color	**N**	no units			1		04/28/22 13:00		
Odor	**N**	no units			1		04/28/22 13:00		
Temperature, Water (C)	**12.1**	deg C			1		04/28/22 13:00		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**0.99J**	mg/L	2.0	0.43	1		05/06/22 01:31	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**335**	mg/L	25.0	5.2	1		05/04/22 11:13		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-429SS **Lab ID: 40244147003** Collected: 04/28/22 16:15 Received: 04/29/22 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**325000**	ug/L	2000	150	1		05/11/22 19:06		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/03/22 13:49	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/03/22 13:49	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/03/22 13:49	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/03/22 13:49	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/03/22 13:49	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/03/22 13:49	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/03/22 13:49	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/03/22 13:49	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/03/22 13:49	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/03/22 13:49	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/03/22 13:49	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/03/22 13:49	78-93-3	
Acetone	**10.4J**	ug/L	25.0	8.6	1		05/03/22 13:49	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/03/22 13:49	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/03/22 13:49	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/03/22 13:49	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/03/22 13:49	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/03/22 13:49	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/03/22 13:49	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/03/22 13:49	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/03/22 13:49	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/03/22 13:49	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/03/22 13:49	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/03/22 13:49	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/03/22 13:49	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/03/22 13:49	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/03/22 13:49	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/03/22 13:49	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/03/22 13:49	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/03/22 13:49	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/03/22 13:49	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/22 13:49	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/03/22 13:49	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/03/22 13:49	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/03/22 13:49	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/03/22 13:49	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/03/22 13:49	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/03/22 13:49	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/03/22 13:49	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/03/22 13:49	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-429SS **Lab ID: 40244147003** Collected: 04/28/22 16:15 Received: 04/29/22 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/03/22 13:49	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/03/22 13:49	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/03/22 13:49	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		05/03/22 13:49	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		05/03/22 13:49	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.58**	Std. Units			1		04/28/22 16:15		
Field Specific Conductance	**502**	umhos/cm			1		04/28/22 16:15		
Turbidity	**N**	NTU			1		04/28/22 16:15		
Apparent Color	**N**	no units			1		04/28/22 16:15		
Odor	**N**	no units			1		04/28/22 16:15		
Temperature, Water (C)	**10.7**	deg C			1		04/28/22 16:15		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**1.7J**	mg/L	2.0	0.43	1		05/09/22 18:20	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**342**	mg/L	25.0	5.2	1		05/04/22 11:14		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: TRIP BLANK **Lab ID: 40244147004** Collected: 04/28/22 00:00 Received: 04/29/22 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/03/22 16:13	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		05/03/22 16:13	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		05/03/22 16:13	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		05/03/22 16:13	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		05/03/22 16:13	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		05/03/22 16:13	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		05/03/22 16:13	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		05/03/22 16:13	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		05/03/22 16:13	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		05/03/22 16:13	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		05/03/22 16:13	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		05/03/22 16:13	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		05/03/22 16:13	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		05/03/22 16:13	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		05/03/22 16:13	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		05/03/22 16:13	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		05/03/22 16:13	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		05/03/22 16:13	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		05/03/22 16:13	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		05/03/22 16:13	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		05/03/22 16:13	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		05/03/22 16:13	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		05/03/22 16:13	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		05/03/22 16:13	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		05/03/22 16:13	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		05/03/22 16:13	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		05/03/22 16:13	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		05/03/22 16:13	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		05/03/22 16:13	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		05/03/22 16:13	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		05/03/22 16:13	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		05/03/22 16:13	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		05/03/22 16:13	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		05/03/22 16:13	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		05/03/22 16:13	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		05/03/22 16:13	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/03/22 16:13	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		05/03/22 16:13	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		05/03/22 16:13	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		05/03/22 16:13	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		05/03/22 16:13	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		05/03/22 16:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/03/22 16:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		05/03/22 16:13	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: TRIP BLANK **Lab ID: 40244147004** Collected: 04/28/22 00:00 Received: 04/29/22 08:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Surrogates									
Toluene-d8 (S)	100	%	70-130		1		05/03/22 16:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-401D **Lab ID: 40242907015** Collected: 04/01/22 00:00 Received: 05/18/22 11:11 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**851.95**	feet			1		04/01/22 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-402E **Lab ID: 40242907016** Collected: 04/01/22 00:00 Received: 05/18/22 11:11 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**851.93**	feet			1		04/01/22 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-422B **Lab ID: 40242907017** Collected: 04/01/22 00:00 Received: 05/18/22 11:11 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**927.64**	feet			1		04/01/22 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-423D **Lab ID: 40242907018** Collected: 04/01/22 00:00 Received: 05/18/22 11:11 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**850.34**	feet			1		04/01/22 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-424D **Lab ID: 40242907019** Collected: 04/01/22 00:00 Received: 05/18/22 11:11 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**850.88**	feet			1		04/01/22 00:00		

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-424SS **Lab ID: 40242907020** Collected: 04/01/22 00:00 Received: 05/18/22 11:11 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**850.28**	feet			1		04/01/22 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-426D **Lab ID: 40242907021** Collected: 04/01/22 00:00 Received: 05/18/22 11:11 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**850.35**	feet			1		04/01/22 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-426SS **Lab ID: 40242907022** Collected: 04/01/22 00:00 Received: 05/18/22 11:11 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**847.75**	feet			1		04/01/22 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-429SS **Lab ID: 40242907023** Collected: 04/01/22 00:00 Received: 05/18/22 11:11 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**844.99**	feet			1		04/01/22 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: P-430D **Lab ID: 40242907024** Collected: 04/01/22 00:00 Received: 05/18/22 11:11 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**888.84**	feet			1		04/01/22 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Sample: MW-1B **Lab ID: 40242907025** Collected: 04/01/22 00:00 Received: 05/18/22 11:11 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Static Water Level	**925.91**	feet			1		04/01/22 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 412534
QC Batch Method: EPA 6010D
Analysis Method: EPA 6010D
Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40242907001

METHOD BLANK: 2375699 Matrix: Water
Associated Lab Samples: 40242907001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L	233J	2000	04/07/22 17:26	

LABORATORY CONTROL SAMPLE: 2375700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L		66000			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2375701 2375702

Parameter	Units	40242907001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Hardness by 2340B, Dissolved	ug/L	167000			235000	238000				1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 412817 — Analysis Method: EPA 6010D
QC Batch Method: EPA 6010D — Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243030001, 40243161001, 40243161002, 40243161003

METHOD BLANK: 2377249 — Matrix: Water
Associated Lab Samples: 40243030001, 40243161001, 40243161002, 40243161003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L	<150	2000	04/11/22 17:20	

LABORATORY CONTROL SAMPLE: 2377250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L		65100			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2377251 2377252

Parameter	Units	40243030001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Hardness by 2340B, Dissolved	ug/L	356000			424000	422000				0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 413266
QC Batch Method: EPA 6010D
Analysis Method: EPA 6010D
Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243241001, 40243241002, 40243241003

METHOD BLANK: 2379659 Matrix: Water
Associated Lab Samples: 40243241001, 40243241002, 40243241003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L	<150	2000	04/15/22 10:32	

LABORATORY CONTROL SAMPLE: 2379660

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L		69000			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2379661 2379662

Parameter	Units	40243188001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Hardness by 2340B, Dissolved	ug/L	339 mg/L			404000	408000				1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 415472
QC Batch Method: EPA 6010D
Analysis Method: EPA 6010D
Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244147001, 40244147002, 40244147003

METHOD BLANK: 2391931 Matrix: Water
Associated Lab Samples: 40244147001, 40244147002, 40244147003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L	450J	2000	05/11/22 18:07	

LABORATORY CONTROL SAMPLE: 2391932

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L		68100			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2391933 2391934

Parameter	Units	40244095001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Hardness by 2340B, Dissolved	ug/L	82.8 mg/L			148000	147000				0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 412489
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40242907001

METHOD BLANK: 2375333 Matrix: Water
Associated Lab Samples: 40242907001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/11/22 17:31	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	04/11/22 17:31	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/11/22 17:31	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/11/22 17:31	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/11/22 17:31	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/11/22 17:31	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/11/22 17:31	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/11/22 17:31	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/11/22 17:31	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/11/22 17:31	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/11/22 17:31	
2-Butanone (MEK)	ug/L	<6.5	25.0	04/11/22 17:31	
Acetone	ug/L	<8.6	25.0	04/11/22 17:31	
Benzene	ug/L	<0.30	1.0	04/11/22 17:31	
Bromodichloromethane	ug/L	<0.42	1.0	04/11/22 17:31	
Bromoform	ug/L	<3.8	5.0	04/11/22 17:31	
Bromomethane	ug/L	<1.2	5.0	04/11/22 17:31	
Carbon disulfide	ug/L	<1.1	5.0	04/11/22 17:31	
Carbon tetrachloride	ug/L	<0.37	1.0	04/11/22 17:31	
Chlorobenzene	ug/L	<0.86	1.0	04/11/22 17:31	
Chloroethane	ug/L	<1.4	5.0	04/11/22 17:31	
Chloroform	ug/L	<1.2	5.0	04/11/22 17:31	
Chloromethane	ug/L	<1.6	5.0	04/11/22 17:31	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/11/22 17:31	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	04/11/22 17:31	
Dibromochloromethane	ug/L	<2.6	5.0	04/11/22 17:31	
Dibromomethane	ug/L	<0.99	5.0	04/11/22 17:31	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/11/22 17:31	
Ethylbenzene	ug/L	<0.33	1.0	04/11/22 17:31	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/11/22 17:31	
Methylene Chloride	ug/L	<0.32	5.0	04/11/22 17:31	
Naphthalene	ug/L	<1.1	5.0	04/11/22 17:31	
Styrene	ug/L	<0.36	1.0	04/11/22 17:31	
Tetrachloroethene	ug/L	<0.41	1.0	04/11/22 17:31	
Tetrahydrofuran	ug/L	<2.4	25.0	04/11/22 17:31	
Toluene	ug/L	<0.29	1.0	04/11/22 17:31	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/11/22 17:31	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	04/11/22 17:31	
Trichloroethene	ug/L	<0.32	1.0	04/11/22 17:31	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/11/22 17:31	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

METHOD BLANK: 2375333 Matrix: Water
Associated Lab Samples: 40242907001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	<0.17	1.0	04/11/22 17:31	
Xylene (Total)	ug/L	<1.0	3.0	04/11/22 17:31	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130	04/11/22 17:31	
4-Bromofluorobenzene (S)	%	109	70-130	04/11/22 17:31	
Toluene-d8 (S)	%	99	70-130	04/11/22 17:31	

LABORATORY CONTROL SAMPLE: 2375334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.6	97	70-130	
1,1,2-Trichloroethane	ug/L	50	44.1	88	70-130	
1,1-Dichloroethane	ug/L	50	44.7	89	68-132	
1,1-Dichloroethene	ug/L	50	43.7	87	85-126	
1,2-Dibromo-3-chloropropane	ug/L	50	37.9	76	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	41.9	84	70-130	
1,2-Dichlorobenzene	ug/L	50	38.5	77	70-130	
1,2-Dichloroethane	ug/L	50	43.9	88	70-130	
1,2-Dichloropropane	ug/L	50	44.3	89	78-125	
1,3-Dichlorobenzene	ug/L	50	39.8	80	70-130	
1,4-Dichlorobenzene	ug/L	50	38.6	77	70-130	
Benzene	ug/L	50	46.6	93	70-132	
Bromodichloromethane	ug/L	50	48.2	96	70-130	
Bromoform	ug/L	50	41.3	83	65-130	
Bromomethane	ug/L	50	26.2	52	44-128	
Carbon disulfide	ug/L	50	42.3	85	60-140	
Carbon tetrachloride	ug/L	50	50.4	101	70-130	
Chlorobenzene	ug/L	50	42.6	85	70-130	
Chloroethane	ug/L	50	45.3	91	73-137	
Chloroform	ug/L	50	50.2	100	80-122	
Chloromethane	ug/L	50	45.1	90	27-148	
cis-1,2-Dichloroethene	ug/L	50	46.8	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.6	91	70-130	
Dibromochloromethane	ug/L	50	43.2	86	70-130	
Dichlorodifluoromethane	ug/L	50	47.1	94	22-151	
Ethylbenzene	ug/L	50	42.7	85	80-123	
Methyl-tert-butyl ether	ug/L	50	41.4	83	66-130	
Methylene Chloride	ug/L	50	43.7	87	70-130	
Styrene	ug/L	50	42.0	84	70-130	
Tetrachloroethene	ug/L	50	37.4	75	70-130	
Toluene	ug/L	50	41.6	83	80-121	
trans-1,2-Dichloroethene	ug/L	50	41.8	84	70-130	
trans-1,3-Dichloropropene	ug/L	50	42.8	86	58-125	
Trichloroethene	ug/L	50	48.3	97	70-130	
Trichlorofluoromethane	ug/L	50	44.7	89	84-148	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

LABORATORY CONTROL SAMPLE: 2375334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	43.5	87	63-142	
Xylene (Total)	ug/L	150	124	83	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2376513 2376514

Parameter	Units	40242910002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	38.9	46.5	78	93	70-130	18	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	40.3	43.3	81	87	70-130	7	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	37.0	42.5	74	85	68-132	14	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	33.8	40.1	68	80	76-132	17	20	M1
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	39.2	40.3	78	81	51-126	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	37.4	40.9	75	82	70-130	9	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	38.3	36.6	77	73	70-130	5	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	36.1	42.1	72	84	70-130	15	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	36.1	40.8	72	82	77-125	12	20	M1
1,3-Dichlorobenzene	ug/L	<0.35	50	50	39.1	39.3	78	79	70-130	0	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	38.1	38.4	76	77	70-130	1	20	
Benzene	ug/L	<0.30	50	50	38.5	44.6	77	89	70-132	15	20	
Bromodichloromethane	ug/L	<0.42	50	50	39.3	45.8	79	92	70-130	15	20	
Bromoform	ug/L	<3.8	50	50	37.9	41.0	76	82	65-130	8	20	
Bromomethane	ug/L	<1.2	50	50	20.8	25.0	42	50	44-128	18	21	M1
Carbon disulfide	ug/L	<1.1	50	50	32.8	38.2	66	76	60-140	15	20	
Carbon tetrachloride	ug/L	<0.37	50	50	40.5	46.6	81	93	70-132	14	20	
Chlorobenzene	ug/L	<0.86	50	50	37.3	40.4	75	81	70-130	8	20	
Chloroethane	ug/L	<1.4	50	50	35.0	40.6	70	81	70-137	15	20	
Chloroform	ug/L	<1.2	50	50	40.8	48.2	82	96	80-122	16	20	
Chloromethane	ug/L	<1.6	50	50	30.1	35.3	60	71	17-149	16	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	38.3	45.5	77	91	70-130	17	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	36.8	43.9	74	88	70-130	18	20	
Dibromochloromethane	ug/L	<2.6	50	50	38.2	43.6	76	87	70-130	13	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	24.9	27.7	50	55	22-158	11	20	
Ethylbenzene	ug/L	<0.33	50	50	37.9	41.4	76	83	80-123	9	20	M1
Methyl-tert-butyl ether	ug/L	<1.1	50	50	30.7	36.4	61	73	66-130	17	20	M1
Methylene Chloride	ug/L	<0.32	50	50	35.3	42.1	71	84	70-130	18	20	
Styrene	ug/L	<0.36	50	50	37.3	40.2	75	80	70-130	8	20	
Tetrachloroethene	ug/L	<0.41	50	50	33.8	36.3	68	73	70-130	7	20	M1
Toluene	ug/L	<0.29	50	50	37.0	40.3	74	81	80-121	9	20	M1
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	31.8	37.4	64	75	70-134	16	20	M1
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	36.7	40.6	73	81	58-130	10	20	
Trichloroethene	ug/L	<0.32	50	50	37.7	43.6	75	87	70-130	15	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2376513 2376514

Parameter	Units	40242910002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichlorofluoromethane	ug/L	<0.42	50	50	35.0	40.8	70	82	82-151	15	20	M1
Vinyl chloride	ug/L	1.8	50	50	32.8	38.6	62	74	61-143	16	20	
Xylene (Total)	ug/L	<1.0	150	150	111	119	74	79	70-130	7	20	
1,2-Dichlorobenzene-d4 (S)	%						102	102	70-130			
4-Bromofluorobenzene (S)	%						110	105	70-130			
Toluene-d8 (S)	%						105	99	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 412573
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40243030001

METHOD BLANK: 2376031 Matrix: Water
Associated Lab Samples: 40243030001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/11/22 11:27	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	04/11/22 11:27	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/11/22 11:27	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/11/22 11:27	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/11/22 11:27	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/11/22 11:27	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/11/22 11:27	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/11/22 11:27	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/11/22 11:27	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/11/22 11:27	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/11/22 11:27	
2-Butanone (MEK)	ug/L	<6.5	25.0	04/11/22 11:27	
Acetone	ug/L	<8.6	25.0	04/11/22 11:27	
Benzene	ug/L	<0.30	1.0	04/11/22 11:27	
Bromodichloromethane	ug/L	<0.42	1.0	04/11/22 11:27	
Bromoform	ug/L	<3.8	5.0	04/11/22 11:27	
Bromomethane	ug/L	<1.2	5.0	04/11/22 11:27	
Carbon disulfide	ug/L	<1.1	5.0	04/11/22 11:27	
Carbon tetrachloride	ug/L	<0.37	1.0	04/11/22 11:27	
Chlorobenzene	ug/L	<0.86	1.0	04/11/22 11:27	
Chloroethane	ug/L	<1.4	5.0	04/11/22 11:27	
Chloroform	ug/L	<1.2	5.0	04/11/22 11:27	
Chloromethane	ug/L	<1.6	5.0	04/11/22 11:27	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/11/22 11:27	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	04/11/22 11:27	
Dibromochloromethane	ug/L	<2.6	5.0	04/11/22 11:27	
Dibromomethane	ug/L	<0.99	5.0	04/11/22 11:27	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/11/22 11:27	
Ethylbenzene	ug/L	<0.33	1.0	04/11/22 11:27	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/11/22 11:27	
Methylene Chloride	ug/L	<0.32	5.0	04/11/22 11:27	
Naphthalene	ug/L	<1.1	5.0	04/11/22 11:27	
Styrene	ug/L	<0.36	1.0	04/11/22 11:27	
Tetrachloroethene	ug/L	<0.41	1.0	04/11/22 11:27	
Tetrahydrofuran	ug/L	<2.4	25.0	04/11/22 11:27	
Toluene	ug/L	<0.29	1.0	04/11/22 11:27	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/11/22 11:27	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	04/11/22 11:27	
Trichloroethene	ug/L	<0.32	1.0	04/11/22 11:27	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/11/22 11:27	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

METHOD BLANK: 2376031 Matrix: Water
Associated Lab Samples: 40243030001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	<0.17	1.0	04/11/22 11:27	
Xylene (Total)	ug/L	<1.0	3.0	04/11/22 11:27	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	04/11/22 11:27	
4-Bromofluorobenzene (S)	%	106	70-130	04/11/22 11:27	
Toluene-d8 (S)	%	104	70-130	04/11/22 11:27	

LABORATORY CONTROL SAMPLE: 2376032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	58.5	117	70-130	
1,1,2-Trichloroethane	ug/L	50	55.3	111	70-130	
1,1-Dichloroethane	ug/L	50	53.8	108	68-132	
1,1-Dichloroethene	ug/L	50	51.2	102	85-126	
1,2-Dibromo-3-chloropropane	ug/L	50	53.6	107	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	54.0	108	70-130	
1,2-Dichlorobenzene	ug/L	50	48.3	97	70-130	
1,2-Dichloroethane	ug/L	50	52.0	104	70-130	
1,2-Dichloropropane	ug/L	50	51.0	102	78-125	
1,3-Dichlorobenzene	ug/L	50	50.1	100	70-130	
1,4-Dichlorobenzene	ug/L	50	48.4	97	70-130	
Benzene	ug/L	50	55.6	111	70-132	
Bromodichloromethane	ug/L	50	55.3	111	70-130	
Bromoform	ug/L	50	53.2	106	65-130	
Bromomethane	ug/L	50	37.0	74	44-128	
Carbon disulfide	ug/L	50	50.5	101	60-140	
Carbon tetrachloride	ug/L	50	57.9	116	70-130	
Chlorobenzene	ug/L	50	52.0	104	70-130	
Chloroethane	ug/L	50	55.7	111	73-137	
Chloroform	ug/L	50	58.5	117	80-122	
Chloromethane	ug/L	50	57.6	115	27-148	
cis-1,2-Dichloroethene	ug/L	50	55.0	110	70-130	
cis-1,3-Dichloropropene	ug/L	50	55.7	111	70-130	
Dibromochloromethane	ug/L	50	55.6	111	70-130	
Dichlorodifluoromethane	ug/L	50	57.8	116	22-151	
Ethylbenzene	ug/L	50	52.2	104	80-123	
Methyl-tert-butyl ether	ug/L	50	45.1	90	66-130	
Methylene Chloride	ug/L	50	52.1	104	70-130	
Styrene	ug/L	50	52.0	104	70-130	
Tetrachloroethene	ug/L	50	48.7	97	70-130	
Toluene	ug/L	50	52.2	104	80-121	
trans-1,2-Dichloroethene	ug/L	50	45.8	92	70-130	
trans-1,3-Dichloropropene	ug/L	50	56.0	112	58-125	
Trichloroethene	ug/L	50	56.7	113	70-130	
Trichlorofluoromethane	ug/L	50	54.3	109	84-148	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

LABORATORY CONTROL SAMPLE: 2376032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	57.3	115	63-142	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2376497 2376498

Parameter	Units	40243032003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	55.6	59.5	111	119	70-130	7	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	55.1	54.8	110	110	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	52.1	54.5	104	109	68-132	5	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	47.5	48.6	95	97	76-132	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	54.5	55.4	109	111	51-126	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	51.7	54.1	103	108	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	47.5	50.6	95	101	70-130	6	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	50.1	52.5	100	105	70-130	5	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	50.9	52.0	102	104	77-125	2	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	51.4	52.2	103	104	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	49.5	51.5	99	103	70-130	4	20	
Benzene	ug/L	<0.30	50	50	53.5	56.4	107	113	70-132	5	20	
Bromodichloromethane	ug/L	<0.42	50	50	55.8	57.7	112	115	70-130	3	20	
Bromoform	ug/L	<3.8	50	50	53.0	55.1	106	110	65-130	4	20	
Bromomethane	ug/L	<1.2	50	50	33.9	37.2	68	74	44-128	9	21	
Carbon disulfide	ug/L	<1.1	50	50	46.4	48.1	93	96	60-140	4	20	
Carbon tetrachloride	ug/L	<0.37	50	50	57.8	58.8	116	118	70-132	2	20	
Chlorobenzene	ug/L	<0.86	50	50	50.7	52.7	101	105	70-130	4	20	
Chloroethane	ug/L	<1.4	50	50	49.7	51.0	99	102	70-137	3	20	
Chloroform	ug/L	<1.2	50	50	57.0	61.1	114	122	80-122	7	20	
Chloromethane	ug/L	<1.6	50	50	41.8	44.3	84	89	17-149	6	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	52.6	55.3	105	111	70-130	5	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	53.7	58.2	107	116	70-130	8	20	
Dibromochloromethane	ug/L	<2.6	50	50	53.6	55.4	107	111	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	34.0	34.2	68	68	22-158	1	20	
Ethylbenzene	ug/L	<0.33	50	50	51.4	53.5	103	107	80-123	4	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	48.1	47.2	96	94	66-130	2	20	
Methylene Chloride	ug/L	<0.32	50	50	51.0	52.1	102	104	70-130	2	20	
Styrene	ug/L	<0.36	50	50	50.6	52.2	101	104	70-130	3	20	
Tetrachloroethene	ug/L	<0.41	50	50	46.6	48.2	93	96	70-130	3	20	
Toluene	ug/L	<0.29	50	50	51.1	53.0	102	106	80-121	4	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	48.6	46.9	97	94	70-134	4	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	53.0	55.4	106	111	58-130	4	20	
Trichloroethene	ug/L	<0.32	50	50	52.2	56.6	104	113	70-130	8	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2376497 2376498

Parameter	Units	40243032003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichlorofluoromethane	ug/L	<0.42	50	50	48.1	50.6	96	101	82-151	5	20	
Vinyl chloride	ug/L	<0.17	50	50	43.6	45.1	87	90	61-143	4	20	
Xylene (Total)	ug/L	<1.0	150	150	149	153	99	102	70-130	3	20	
1,2-Dichlorobenzene-d4 (S)	%						102	99	70-130			
4-Bromofluorobenzene (S)	%						106	105	70-130			
Toluene-d8 (S)	%						99	100	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 412744
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243161001, 40243161002, 40243161003, 40243161004, 40243241001, 40243241002, 40243241003, 40243241004

METHOD BLANK: 2377073
Matrix: Water
Associated Lab Samples: 40243161001, 40243161002, 40243161003, 40243161004, 40243241001, 40243241002, 40243241003, 40243241004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/12/22 07:35	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	04/12/22 07:35	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/12/22 07:35	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/12/22 07:35	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/12/22 07:35	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/12/22 07:35	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/12/22 07:35	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/12/22 07:35	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/12/22 07:35	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/12/22 07:35	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/12/22 07:35	
2-Butanone (MEK)	ug/L	<6.5	25.0	04/12/22 07:35	
Acetone	ug/L	<8.6	25.0	04/12/22 07:35	
Benzene	ug/L	<0.30	1.0	04/12/22 07:35	
Bromodichloromethane	ug/L	<0.42	1.0	04/12/22 07:35	
Bromoform	ug/L	<3.8	5.0	04/12/22 07:35	
Bromomethane	ug/L	<1.2	5.0	04/12/22 07:35	
Carbon disulfide	ug/L	<1.1	5.0	04/12/22 07:35	
Carbon tetrachloride	ug/L	<0.37	1.0	04/12/22 07:35	
Chlorobenzene	ug/L	<0.86	1.0	04/12/22 07:35	
Chloroethane	ug/L	<1.4	5.0	04/12/22 07:35	
Chloroform	ug/L	<1.2	5.0	04/12/22 07:35	
Chloromethane	ug/L	<1.6	5.0	04/12/22 07:35	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/12/22 07:35	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	04/12/22 07:35	
Dibromochloromethane	ug/L	<2.6	5.0	04/12/22 07:35	
Dibromomethane	ug/L	<0.99	5.0	04/12/22 07:35	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/12/22 07:35	
Ethylbenzene	ug/L	<0.33	1.0	04/12/22 07:35	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/12/22 07:35	
Methylene Chloride	ug/L	<0.32	5.0	04/12/22 07:35	
Naphthalene	ug/L	<1.1	5.0	04/12/22 07:35	
Styrene	ug/L	<0.36	1.0	04/12/22 07:35	
Tetrachloroethene	ug/L	<0.41	1.0	04/12/22 07:35	
Tetrahydrofuran	ug/L	<2.4	25.0	04/12/22 07:35	
Toluene	ug/L	<0.29	1.0	04/12/22 07:35	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/12/22 07:35	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	04/12/22 07:35	
Trichloroethene	ug/L	<0.32	1.0	04/12/22 07:35	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

METHOD BLANK: 2377073 Matrix: Water

Associated Lab Samples: 40243161001, 40243161002, 40243161003, 40243161004, 40243241001, 40243241002, 40243241003, 40243241004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	<0.42	1.0	04/12/22 07:35	
Vinyl chloride	ug/L	<0.17	1.0	04/12/22 07:35	
Xylene (Total)	ug/L	<1.0	3.0	04/12/22 07:35	
1,2-Dichlorobenzene-d4 (S)	%	103	70-130	04/12/22 07:35	
4-Bromofluorobenzene (S)	%	106	70-130	04/12/22 07:35	
Toluene-d8 (S)	%	101	70-130	04/12/22 07:35	

LABORATORY CONTROL SAMPLE: 2377074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.1	110	70-130	
1,1,2-Trichloroethane	ug/L	50	51.2	102	70-130	
1,1-Dichloroethane	ug/L	50	53.4	107	68-132	
1,1-Dichloroethene	ug/L	50	54.0	108	85-126	
1,2-Dibromo-3-chloropropane	ug/L	50	47.5	95	51-126	
1,2-Dibromoethane (EDB)	ug/L	50	54.5	109	70-130	
1,2-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,2-Dichloroethane	ug/L	50	53.5	107	70-130	
1,2-Dichloropropane	ug/L	50	53.6	107	78-125	
1,3-Dichlorobenzene	ug/L	50	51.8	104	70-130	
1,4-Dichlorobenzene	ug/L	50	52.5	105	70-130	
Benzene	ug/L	50	52.0	104	70-132	
Bromodichloromethane	ug/L	50	53.8	108	70-130	
Bromoform	ug/L	50	46.0	92	65-130	
Bromomethane	ug/L	50	43.6	87	44-128	
Carbon disulfide	ug/L	50	44.6	89	60-140	
Carbon tetrachloride	ug/L	50	52.0	104	70-130	
Chlorobenzene	ug/L	50	53.7	107	70-130	
Chloroethane	ug/L	50	60.4	121	73-137	
Chloroform	ug/L	50	53.2	106	80-122	
Chloromethane	ug/L	50	45.4	91	27-148	
cis-1,2-Dichloroethene	ug/L	50	49.1	98	70-130	
cis-1,3-Dichloropropene	ug/L	50	53.9	108	70-130	
Dibromochloromethane	ug/L	50	51.8	104	70-130	
Dichlorodifluoromethane	ug/L	50	27.5	55	22-151	
Ethylbenzene	ug/L	50	54.5	109	80-123	
Methyl-tert-butyl ether	ug/L	50	45.3	91	66-130	
Methylene Chloride	ug/L	50	51.1	102	70-130	
Styrene	ug/L	50	53.5	107	70-130	
Tetrachloroethene	ug/L	50	52.5	105	70-130	
Toluene	ug/L	50	53.3	107	80-121	
trans-1,2-Dichloroethene	ug/L	50	49.8	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	55.7	111	58-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

LABORATORY CONTROL SAMPLE: 2377074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/L	50	53.9	108	70-130	
Trichlorofluoromethane	ug/L	50	59.9	120	84-148	
Vinyl chloride	ug/L	50	55.3	111	63-142	
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichlorobenzene-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2377125 2377126

Parameter	Units	40243162003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	55.2	55.3	110	111	70-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	50.4	50.7	101	101	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	53.1	53.9	106	108	68-132	2	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	53.0	53.4	106	107	76-132	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	45.3	46.2	91	92	51-126	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	51.6	52.5	103	105	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	50.2	50.9	100	102	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	52.7	53.3	105	107	70-130	1	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	52.8	52.8	106	106	77-125	0	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	51.2	52.5	102	105	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	51.1	51.8	102	104	70-130	1	20	
Benzene	ug/L	<0.30	50	50	52.0	51.8	104	104	70-132	0	20	
Bromodichloromethane	ug/L	<0.42	50	50	52.6	53.7	105	107	70-130	2	20	
Bromoform	ug/L	<3.8	50	50	44.5	44.6	89	89	65-130	0	20	
Bromomethane	ug/L	<1.2	50	50	49.8	54.0	100	108	44-128	8	21	
Carbon disulfide	ug/L	<1.1	50	50	45.6	46.2	91	92	60-140	1	20	
Carbon tetrachloride	ug/L	<0.37	50	50	52.3	53.3	105	107	70-132	2	20	
Chlorobenzene	ug/L	<0.86	50	50	52.1	52.9	104	106	70-130	2	20	
Chloroethane	ug/L	<1.4	50	50	63.7	63.8	127	128	70-137	0	20	
Chloroform	ug/L	<1.2	50	50	52.3	53.2	105	106	80-122	2	20	
Chloromethane	ug/L	<1.6	50	50	52.3	51.1	105	102	17-149	2	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	49.1	49.4	98	99	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	53.9	54.1	108	108	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	50	50	50.2	50.5	100	101	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	37.0	36.8	74	74	22-158	1	20	
Ethylbenzene	ug/L	<0.33	50	50	52.8	53.0	106	106	80-123	0	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	44.8	44.8	90	90	66-130	0	20	
Methylene Chloride	ug/L	<0.32	50	50	50.9	51.6	102	103	70-130	1	20	
Styrene	ug/L	<0.36	50	50	52.1	52.9	104	106	70-130	2	20	
Tetrachloroethene	ug/L	<0.41	50	50	52.0	52.6	104	105	70-130	1	20	
Toluene	ug/L	<0.29	50	50	51.4	52.5	103	105	80-121	2	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	50.7	51.4	101	103	70-134	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2377125 2377126

Parameter	Units	40243162003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	54.5	55.3	109	111	58-130	1	20	
Trichloroethene	ug/L	<0.32	50	50	52.9	53.3	106	107	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	57.6	57.8	115	116	82-151	0	20	
Vinyl chloride	ug/L	7.5	50	50	63.1	63.5	111	112	61-143	1	20	
Xylene (Total)	ug/L	<1.0	150	150	155	157	103	105	70-130	1	20	
1,2-Dichlorobenzene-d4 (S)	%						101	103	70-130			
4-Bromofluorobenzene (S)	%						106	106	70-130			
Toluene-d8 (S)	%						101	101	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 414493
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244147001, 40244147002, 40244147003, 40244147004

METHOD BLANK: 2386906 Matrix: Water
Associated Lab Samples: 40244147001, 40244147002, 40244147003, 40244147004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	05/03/22 08:40	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	05/03/22 08:40	
1,1-Dichloroethane	ug/L	<0.30	1.0	05/03/22 08:40	
1,1-Dichloroethene	ug/L	<0.58	1.0	05/03/22 08:40	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	05/03/22 08:40	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	05/03/22 08:40	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	05/03/22 08:40	
1,2-Dichloroethane	ug/L	<0.29	1.0	05/03/22 08:40	
1,2-Dichloropropane	ug/L	<0.45	1.0	05/03/22 08:40	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	05/03/22 08:40	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	05/03/22 08:40	
2-Butanone (MEK)	ug/L	<6.5	25.0	05/03/22 08:40	
Acetone	ug/L	<8.6	25.0	05/03/22 08:40	
Benzene	ug/L	<0.30	1.0	05/03/22 08:40	
Bromodichloromethane	ug/L	<0.42	1.0	05/03/22 08:40	
Bromoform	ug/L	<3.8	5.0	05/03/22 08:40	
Bromomethane	ug/L	<1.2	5.0	05/03/22 08:40	
Carbon disulfide	ug/L	<1.1	5.0	05/03/22 08:40	
Carbon tetrachloride	ug/L	<0.37	1.0	05/03/22 08:40	
Chlorobenzene	ug/L	<0.86	1.0	05/03/22 08:40	
Chloroethane	ug/L	<1.4	5.0	05/03/22 08:40	
Chloroform	ug/L	<1.2	5.0	05/03/22 08:40	
Chloromethane	ug/L	<1.6	5.0	05/03/22 08:40	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	05/03/22 08:40	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	05/03/22 08:40	
Dibromochloromethane	ug/L	<2.6	5.0	05/03/22 08:40	
Dibromomethane	ug/L	<0.99	5.0	05/03/22 08:40	
Dichlorodifluoromethane	ug/L	<0.46	5.0	05/03/22 08:40	
Ethylbenzene	ug/L	<0.33	1.0	05/03/22 08:40	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	05/03/22 08:40	
Methylene Chloride	ug/L	<0.32	5.0	05/03/22 08:40	
Naphthalene	ug/L	<1.1	5.0	05/03/22 08:40	
Styrene	ug/L	<0.36	1.0	05/03/22 08:40	
Tetrachloroethene	ug/L	<0.41	1.0	05/03/22 08:40	
Tetrahydrofuran	ug/L	<2.4	25.0	05/03/22 08:40	
Toluene	ug/L	<0.29	1.0	05/03/22 08:40	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	05/03/22 08:40	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	05/03/22 08:40	
Trichloroethene	ug/L	<0.32	1.0	05/03/22 08:40	
Trichlorofluoromethane	ug/L	<0.42	1.0	05/03/22 08:40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

METHOD BLANK: 2386906 Matrix: Water
Associated Lab Samples: 40244147001, 40244147002, 40244147003, 40244147004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	<0.17	1.0	05/03/22 08:40	
Xylene (Total)	ug/L	<1.0	3.0	05/03/22 08:40	
1,2-Dichlorobenzene-d4 (S)	%	97	70-130	05/03/22 08:40	
4-Bromofluorobenzene (S)	%	97	70-130	05/03/22 08:40	
Toluene-d8 (S)	%	102	70-130	05/03/22 08:40	

LABORATORY CONTROL SAMPLE: 2386907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.2	106	70-134	
1,1,2-Trichloroethane	ug/L	50	46.2	92	70-130	
1,1-Dichloroethane	ug/L	50	46.5	93	70-130	
1,1-Dichloroethene	ug/L	50	48.0	96	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	35.2	70	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	45.4	91	70-130	
1,2-Dichlorobenzene	ug/L	50	44.8	90	70-130	
1,2-Dichloroethane	ug/L	50	50.9	102	70-137	
1,2-Dichloropropane	ug/L	50	44.7	89	80-121	
1,3-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,4-Dichlorobenzene	ug/L	50	46.5	93	70-130	
Benzene	ug/L	50	45.4	91	70-130	
Bromodichloromethane	ug/L	50	49.6	99	70-130	
Bromoform	ug/L	50	50.1	100	70-130	
Bromomethane	ug/L	50	36.6	73	21-147	
Carbon disulfide	ug/L	50	46.0	92	70-130	
Carbon tetrachloride	ug/L	50	56.4	113	80-146	
Chlorobenzene	ug/L	50	49.2	98	70-130	
Chloroethane	ug/L	50	49.1	98	52-165	
Chloroform	ug/L	50	51.3	103	80-123	
Chloromethane	ug/L	50	47.6	95	51-122	
cis-1,2-Dichloroethene	ug/L	50	47.2	94	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.9	92	70-130	
Dibromochloromethane	ug/L	50	48.7	97	70-130	
Dichlorodifluoromethane	ug/L	50	40.3	81	25-121	
Ethylbenzene	ug/L	50	47.5	95	80-120	
Methyl-tert-butyl ether	ug/L	50	45.8	92	70-130	
Methylene Chloride	ug/L	50	52.2	104	70-130	
Styrene	ug/L	50	49.1	98	70-130	
Tetrachloroethene	ug/L	50	49.9	100	70-130	
Toluene	ug/L	50	45.3	91	80-120	
trans-1,2-Dichloroethene	ug/L	50	46.6	93	70-130	
trans-1,3-Dichloropropene	ug/L	50	45.6	91	70-130	
Trichloroethene	ug/L	50	48.8	98	70-130	
Trichlorofluoromethane	ug/L	50	50.7	101	65-160	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

LABORATORY CONTROL SAMPLE: 2386907

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	46.7	93	63-134	
Xylene (Total)	ug/L	150	140	93	70-130	
1,2-Dichlorobenzene-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			94	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2387383 2387384

Parameter	Units	40244119001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	53.8	54.2	108	108	70-134	1	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	45.9	46.3	92	93	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	46.7	49.0	93	98	70-130	5	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	49.0	49.0	98	98	71-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	35.4	39.7	71	79	51-141	11	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	44.5	47.0	89	94	70-130	6	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	45.2	47.7	90	95	70-130	5	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	52.0	53.6	104	107	70-137	3	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	46.2	44.9	92	90	80-121	3	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	48.7	52.1	97	104	70-130	7	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	46.2	50.2	92	100	70-130	8	20	
Benzene	ug/L	<0.30	50	50	45.1	47.5	90	95	70-130	5	20	
Bromodichloromethane	ug/L	<0.42	50	50	50.2	53.3	100	107	70-130	6	20	
Bromoform	ug/L	<3.8	50	50	49.9	53.0	100	106	70-133	6	20	
Bromomethane	ug/L	<1.2	50	50	37.5	39.2	75	78	21-149	4	22	
Carbon disulfide	ug/L	<1.1	50	50	46.7	47.5	93	95	70-130	2	20	
Carbon tetrachloride	ug/L	<0.37	50	50	56.4	59.3	113	119	80-146	5	20	
Chlorobenzene	ug/L	<0.86	50	50	49.4	51.3	99	103	70-130	4	20	
Chloroethane	ug/L	<1.4	50	50	49.1	50.4	98	101	52-165	3	20	
Chloroform	ug/L	<1.2	50	50	51.1	52.1	102	104	80-123	2	20	
Chloromethane	ug/L	<1.6	50	50	45.2	46.9	90	94	42-125	4	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	47.1	48.7	94	97	70-130	3	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	46.1	48.8	92	98	70-130	6	20	
Dibromochloromethane	ug/L	<2.6	50	50	48.9	51.5	98	103	70-130	5	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	37.7	38.0	75	76	25-121	1	20	
Ethylbenzene	ug/L	<0.33	50	50	47.5	49.8	95	100	80-121	5	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	44.8	46.8	90	94	70-130	4	20	
Methylene Chloride	ug/L	<0.32	50	50	50.7	53.0	101	106	70-130	4	20	
Styrene	ug/L	<0.36	50	50	49.0	50.4	98	101	70-132	3	20	
Tetrachloroethene	ug/L	<0.41	50	50	51.4	52.3	103	105	70-130	2	20	
Toluene	ug/L	<0.29	50	50	45.9	47.1	92	94	80-120	3	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	48.3	49.9	97	100	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	45.6	48.5	91	97	70-130	6	20	
Trichloroethene	ug/L	<0.32	50	50	49.5	51.8	99	104	70-130	5	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2387383 2387384

Parameter	Units	40244119001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichlorofluoromethane	ug/L	<0.42	50	50	51.0	52.4	102	105	65-160	3	20	
Vinyl chloride	ug/L	<0.17	50	50	46.1	47.3	92	95	60-137	2	20	
Xylene (Total)	ug/L	<1.0	150	150	142	147	95	98	70-130	4	20	
1,2-Dichlorobenzene-d4 (S)	%						95	95	70-130			
4-Bromofluorobenzene (S)	%						91	93	70-130			
Toluene-d8 (S)	%						100	102	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 412623
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions,Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40242907001

METHOD BLANK: 2376295 Matrix: Water
Associated Lab Samples: 40242907001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	04/11/22 16:01	

LABORATORY CONTROL SAMPLE: 2376296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	18.9	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2376297 2376298

Parameter	Units	40243098001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.7	20	20	25.8	25.9	100	101	90-110	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2376299 2376300

Parameter	Units	40242909002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	35.7	20	20	53.7	53.6	90	89	90-110	0	15	M0

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 412959
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions,Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243030001

METHOD BLANK: 2377830 Matrix: Water
Associated Lab Samples: 40243030001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	04/13/22 18:13	

LABORATORY CONTROL SAMPLE: 2377831

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.2	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2377832 2377833

Parameter	Units	40243003008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	10.8	20	20	32.8	33.0	110	111	90-110	1	15	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2377834 2377835

Parameter	Units	40243036002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	44.0	100	100	151	150	107	106	90-110	1	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 413103
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions,Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243161001, 40243161002, 40243161003

METHOD BLANK: 2378568 Matrix: Water
Associated Lab Samples: 40243161001, 40243161002, 40243161003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	04/14/22 15:29	

LABORATORY CONTROL SAMPLE: 2378569

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.3	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2378570 2378571

Parameter	Units	40243059005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.7	20	20	25.9	25.7	111	110	90-110	1	15	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2378572 2378573

Parameter	Units	40243161003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	24.5	20	20	45.8	46.1	107	108	90-110	1	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 413336
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions,Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243241001, 40243241002, 40243241003

METHOD BLANK: 2380130 Matrix: Water
Associated Lab Samples: 40243241001, 40243241002, 40243241003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	04/19/22 12:28	

LABORATORY CONTROL SAMPLE: 2380131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	19.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2380132 2380133

Parameter	Units	40243213001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	41.0	20	20	59.1	59.6	90	93	90-110	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2380134 2380135

Parameter	Units	40242968008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	847	1000	1000	1870	1860	102	101	90-110	1	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 414916
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions,Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244147001, 40244147002

METHOD BLANK: 2388846 Matrix: Water
Associated Lab Samples: 40244147001, 40244147002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	05/05/22 18:34	

LABORATORY CONTROL SAMPLE: 2388847

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.3	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2388848 2388849

Parameter	Units	40244042001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	0.89J	20	20	23.0	23.0	110	111	90-110	0	15	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2388850 2388851

Parameter	Units	40244147002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	0.99J	20	20	22.8	22.8	109	109	90-110	0	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 415140
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions,Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244147003

METHOD BLANK: 2390478 Matrix: Water
Associated Lab Samples: 40244147003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	05/09/22 13:23	

LABORATORY CONTROL SAMPLE: 2390479

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	19.7	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2390480 2390481

Parameter	Units	40244147003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.7J	20	20	23.0	23.2	107	108	90-110	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2390482 2390483

Parameter	Units	40244490001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	103	200	200	319	320	108	108	90-110	0	15	

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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 412379
QC Batch Method: EPA 310.2
Analysis Method: EPA 310.2
Analysis Description: 310.2 Alkalinity, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40242907001

METHOD BLANK: 2374707 Matrix: Water
Associated Lab Samples: 40242907001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<5.2	25.0	04/07/22 11:48	

LABORATORY CONTROL SAMPLE: 2374708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	93.9	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2374709 2374710

Parameter	Units	40242909008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	183	200	200	399	397	108	107	90-110	0	20	

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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 412805
QC Batch Method: EPA 310.2
Analysis Method: EPA 310.2
Analysis Description: 310.2 Alkalinity, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243030001

METHOD BLANK: 2377209 Matrix: Water
Associated Lab Samples: 40243030001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<5.2	25.0	04/12/22 12:08	

LABORATORY CONTROL SAMPLE: 2377210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	97.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2377211 2377212

Parameter	Units	40243030001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	187	200	200	406	407	109	110	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2377213 2377214

Parameter	Units	40243032009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	310	200	200	523	524	106	107	90-110	0	20	

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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 413182
QC Batch Method: EPA 310.2
Analysis Method: EPA 310.2
Analysis Description: 310.2 Alkalinity, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243161001, 40243161002, 40243161003

METHOD BLANK: 2378943 Matrix: Water
Associated Lab Samples: 40243161001, 40243161002, 40243161003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<5.2	25.0	04/15/22 11:55	

LABORATORY CONTROL SAMPLE: 2378944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	104	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2378945 2378946

Parameter	Units	40243162004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	909	500	500	1490	1490	115	115	90-110	0	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2378947 2378948

Parameter	Units	40243240004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	517	500	500	1090	1090	115	115	90-110	0	20	M0

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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 413185
QC Batch Method: EPA 310.2
Analysis Method: EPA 310.2
Analysis Description: 310.2 Alkalinity, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40243241001, 40243241002, 40243241003

METHOD BLANK: 2378959 Matrix: Water
Associated Lab Samples: 40243241001, 40243241002, 40243241003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<5.2	25.0	04/15/22 12:30	

LABORATORY CONTROL SAMPLE: 2378960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	103	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2378961 2378962

Parameter	Units	40243240009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	359	200	200	582	581	112	111	90-110	0	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2378963 2378964

Parameter	Units	40243241003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	371	500	500	944	929	115	112	90-110	2	20	M0

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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

QC Batch: 414757
QC Batch Method: EPA 310.2
Analysis Method: EPA 310.2
Analysis Description: 310.2 Alkalinity, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40244147001, 40244147002, 40244147003

METHOD BLANK: 2388002 Matrix: Water
Associated Lab Samples: 40244147001, 40244147002, 40244147003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<5.2	25.0	05/04/22 11:03	

LABORATORY CONTROL SAMPLE: 2388003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	100	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2388004 2388005

Parameter	Units	40244148002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	1010	500	500	1590	1580	115	114	90-110	1	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2388006 2388007

Parameter	Units	40244171007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	533	500	500	1150	1140	123	121	90-110	1	20	M0

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40242907001	**P-422B**	EPA 6010D	412534		
40243030001	**MW-1B**	EPA 6010D	412817		
40243161001	**P-401D**	EPA 6010D	412817		
40243161002	**P-402E**	EPA 6010D	412817		
40243161003	**P-430D**	EPA 6010D	412817		
40243241001	**P-426SS**	EPA 6010D	413266		
40243241002	**P-426D**	EPA 6010D	413266		
40243241003	**P-423D**	EPA 6010D	413266		
40244147001	**P-424D**	EPA 6010D	415472		
40244147002	**P-424SS**	EPA 6010D	415472		
40244147003	**P-429SS**	EPA 6010D	415472		
40242907001	**P-422B**	EPA 8260	412489		
40243030001	**MW-1B**	EPA 8260	412573		
40243161001	**P-401D**	EPA 8260	412744		
40243161002	**P-402E**	EPA 8260	412744		
40243161003	**P-430D**	EPA 8260	412744		
40243161004	**TRIP BLANK**	EPA 8260	412744		
40243241001	**P-426SS**	EPA 8260	412744		
40243241002	**P-426D**	EPA 8260	412744		
40243241003	**P-423D**	EPA 8260	412744		
40243241004	**TRIP BLANK**	EPA 8260	412744		
40244147001	**P-424D**	EPA 8260	414493		
40244147002	**P-424SS**	EPA 8260	414493		
40244147003	**P-429SS**	EPA 8260	414493		
40244147004	**TRIP BLANK**	EPA 8260	414493		
40242907001	**P-422B**				
40243030001	**MW-1B**				
40243161001	**P-401D**				
40243161002	**P-402E**				
40243161003	**P-430D**				
40243241001	**P-426SS**				
40243241002	**P-426D**				
40243241003	**P-423D**				
40244147001	**P-424D**				
40244147002	**P-424SS**				
40244147003	**P-429SS**				
40242907015	**P-401D**				
40242907016	**P-402E**				
40242907017	**P-422B**				
40242907018	**P-423D**				
40242907019	**P-424D**				
40242907020	**P-424SS**				
40242907021	**P-426D**				
40242907022	**P-426SS**				
40242907023	**P-429SS**				

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40242907

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40242907024	**P-430D**				
40242907025	**MW-1B**				
40242907001	**P-422B**	EPA 300.0	412623		
40243030001	**MW-1B**	EPA 300.0	412959		
40243161001	**P-401D**	EPA 300.0	413103		
40243161002	**P-402E**	EPA 300.0	413103		
40243161003	**P-430D**	EPA 300.0	413103		
40243241001	**P-426SS**	EPA 300.0	413336		
40243241002	**P-426D**	EPA 300.0	413336		
40243241003	**P-423D**	EPA 300.0	413336		
40244147001	**P-424D**	EPA 300.0	414916		
40244147002	**P-424SS**	EPA 300.0	414916		
40244147003	**P-429SS**	EPA 300.0	415140		
40242907001	**P-422B**	EPA 310.2	412379		
40243030001	**MW-1B**	EPA 310.2	412805		
40243161001	**P-401D**	EPA 310.2	413182		
40243161002	**P-402E**	EPA 310.2	413182		
40243161003	**P-430D**	EPA 310.2	413182		
40243241001	**P-426SS**	EPA 310.2	413185		
40243241002	**P-426D**	EPA 310.2	413185		
40243241003	**P-423D**	EPA 310.2	413185		
40244147001	**P-424D**	EPA 310.2	414757		
40244147002	**P-424SS**	EPA 310.2	414757		
40244147003	**P-429SS**	EPA 310.2	414757		

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.

4/04/2907

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
GFL Glacier Ridge	Report To: Kari Rabideau	Attention: Kari Rabideau
N7296 Hwy V	Copy To: Frank Perugini - ESC, ESC Staff, Sherren Clark - SCS Eng	Company Name: GFL Glacier Ridge
Horicon, WI 53032		Address: N7296 Hwy V, Horicon, WI 53032
Email To: Kari Rabideau	Purchase Order No.: na	Pace Quote Reference: na
Phone: na Fax: na	Project Name: LGRL Investigation Wells	Pace Project Manager: Cindy Varga
Requested Due Date/TAT:	Project Number: na	Pace Profile #: 4172 line 36

REGULATORY AGENCY

__ NPDES _X_ GROUND WATER __ DRINKING WATER

__ UST __ RCRA OTHER_____

SITE LOCATION: __GA __IL __IN __MI __NC __OH __SC _X_ WI OTHER____

Section D Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

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	SAMPLE TYPE G+GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Nitric	Preservatives: HCL	Preservatives: Unpreserved	Requested Analysis: 8260 NR 507 VOCs	Requested Analysis: diss chloride, alkalinity	Requested Analysis: diss 6010 - hard	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	P-4228	WT	G	—		4/4	1130	9.6	5	1	3	1	X	X	X		001
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Filtered (Y/N): N Y Y

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Nalco	4/4/22	1800			
Nalco	4/5/22	835	Morgan Spencer	4/5/22	835

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
4°	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Curt Freimark

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 4/4/22

Client Name: GFL

Sample Preservation Receipt Form

Project # 410242907

All containers needing preservation have been checked and noted below: ☒Yes ☐No ☐N/A

Lab Lot# of pH paper: 1005112 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: LP Date/ Time:

Pace Lab #	Glass							Plastic					Vials						Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN							
001																																	2.5 / 5 / 10
002										1		1					3														X		2.5 / 5 / 10
003																																	2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
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010																																	2.5 / 5 / 10
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014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

4/5/22 mp

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): ☐Yes ☒No ☐N/A 4/5/22 mp if yes look in headspace column

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Sample Condition Upon Receipt Form (SCUR)

Client Name: GFL Project #:

WO# : 40242907

40242907

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☒ Waltco
☐ Client ☐ Pace Other:

Tracking #: 3179965-1

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - 111 Type of Ice: (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 4° /Corr: 4°

Temp Blank Present: ☐ yes ☒ no Biological Tissue is Frozen: ☐ yes ☐ no

Person examining contents:
Date: 4/5/23 Initials: MP

Labeled By Initials: AP

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☒Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume:		8.
For Analysis: ☒Yes ☐No	MS/MSD: ☐Yes ☒No ☐N/A	
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☒Yes ☐No ☐N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis	Matrix: W	
Trip Blank Present:	☐Yes ☐No ☒N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:
Person Contacted: Date/Time:
If checked, see attached form for additional comments ☐
Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

Page 2 of 2

40243030

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
GFL Glacier Ridge	Report To: Kari Rabideau	Attention: Kari Rabideau
N7296 Hwy V	Copy To: Frank Perugini - ESC, ESC Staff, Sherren Clark - SCS Eng	Company Name: GFL Glacier Ridge
Horicon, WI 53032		Address: N7296 Hwy V, Horicon, WI 53032
Email To: Kari Rabideau	Purchase Order No.: na	Pace Quote Reference: na
Phone: na Fax: na	Project Name: LGRL Investigation Wells	Pace Project Manager: Cindy Varga
Requested Due Date/TAT:	Project Number: na	Pace Profile #: 4172 line 36

REGULATORY AGENCY

__NPDES _X_GROUND WATER __DRINKING WATER

__UST __RCRA OTHER_____

SITE LOCATION __GA __IL __IN __MI __NC __OH __SC _X_WI OTHER____

Section D Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

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 #	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Nitric	Preservatives: HCL	Preservatives: Unpreserved	Filtered (Y/N)	Requested Analysis: 8260 NR 507 VOCs	Requested Analysis: diss chloride, alkalinity	Requested Analysis: diss 6010 hard	Requested Analysis: Residual Chlorine (Y/N)	Pace Project Number Lab I.D.
												N	Y	Y			
1	MW-1B	WT	G			4/06	1240		5	1	3	1	X	X	X		001
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible]/ESC	4/6	1700			
Waffco	4-7-22	0850	[illegible] Pace	4-7-22	0850

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
	Y/N	Y/N	Y/N
	(N)	(Y)	(N)
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jacob Thomas

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 04/06/22

E-File,(ALLQ020rev.3,31Mar05), 13Jun2005

Sample Preservation Receipt Form

Client Name: GFL Glacier Ridge Project # 40243030

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A

Initial when completed: KF Date/ Time:

Lab Lot# of pH paper: 605312 Lab Std #ID of preservation (if pH adjusted):

	Glass								Plastic					Vials						Jars				General							
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001										1		1					3													X		2.5 / 5 / 10
002																																**2.5 / 5 / 10**
003																																2.5 / 5 / 10
004																																**2.5 / 5 / 10**
005																																2.5 / 5 / 10
006																																**2.5 / 5 / 10**
007																																2.5 / 5 / 10
008																																**2.5 / 5 / 10**
009																																2.5 / 5 / 10
010																																**2.5 / 5 / 10**
011																																2.5 / 5 / 10
012																																**2.5 / 5 / 10**
013																																2.5 / 5 / 10
014																																**2.5 / 5 / 10**
015													4.7.22																			2.5 / 5 / 10
016																																**2.5 / 5 / 10**
017																																2.5 / 5 / 10
018																																**2.5 / 5 / 10**
019																																2.5 / 5 / 10
020																																**2.5 / 5 / 10**

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☐Yes ☑No ☐N/A ***If yes look in headspace column**

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40243030

40243030

Client Name: GPL Glacier Ridge

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☑ Waltco ☐ Client ☐ Pace Other:

Tracking #: 3182580 – 3/416

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - 116 **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3.2/3 /Corr: 3.1/2.1/3.1

Temp Blank Present: ☑ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
Date: 4.7.22 /Initials: AP
Labeled By Initials: CAB

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

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CHAIN-OF-CUSTODY / Analytical Request Document

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

40243161

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
GFL Glacier Ridge	Report To: Kari Rabideau	Attention: Kari Rabideau
N7296 Hwy V	Copy To: Frank Perugini - ESC, ESC Staff, Sherren Clark - SCS Eng	Company Name: GFL Glacier Ridge
Horicon, WI 53032		Address: N7296 Hwy V, Horicon, WI 53032
Email To: Kari Rabideau	Purchase Order No.: na	Pace Quote Reference: na
Phone: na Fax: na	Project Name: LGRL Investigation Wells	Pace Project Manager: Cindy Varga
Requested Due Date/TAT:	Project Number: na	Pace Profile #: 4172 line 36

REGULATORY AGENCY

__NPDES _X_GROUND WATER __DRINKING WATER

__UST __RCRA OTHER_____

SITE LOCATION __GA __IL __IN __MI __NC __OH __SC _X_WI OTHER___

Section D Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

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	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Nitric	Preservatives: HCL	Preservatives: Unpreserved	Requested Analysis: 8260 NR 507 VOCs	Requested Analysis: diss chloride, alkalinity	Requested Analysis: diss 6010 - Hard	Requested Analysis: Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	P-401D	WT	G	—	—	4/7	1015	10.6	5	1	3	1	X	X	X		001
2	P-402R	↓	↓	—	—	↓	1055	10.8	5	1	3	1	X	X	X		002
3	P-430D	↓	↓	—	—	4/7	1120	10.6	5	1	3	1	X	X	X		003
4	Trip Blank	WT	G	—	—	—	—	—	2		2		X				004
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Scott Trainmark ESC	4/7/22	1800			
WalMO	4/8/22	0845	Thermo Pace	4/8/22	0845

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
=	(Y)/N	(Y)/N	(Y)/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Scott Trainmark

SIGNATURE of SAMPLER: Scott Trainmark DATE Signed (MM / DD / YY): 4/7/22

Sample Preservation Receipt Form

Client Name: GFL Glacier Ridge Project # 60243161

All containers needing preservation have been checked and noted below: ☐Yes ☐No ☑N/A Initial when completed: Date/ Time:

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	Vials: VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001										1		1					1	1															2.5 / 5 / 10
002										1		1					1	1															2.5 / 5 / 10
003										1		1				TP 4/18/22	1	1															2.5 / 5 / 10
004																	2																2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
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013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																						TP 4/18/22											2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☐Yes ☑No ☐N/A *If yes look in headspace column

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40243161

40243161

Client Name: GFL Glacier Bridge

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☑ Waltco ☐ Client ☐ Pace Other:

Tracking #: 3184945-4

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - 113 **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1 /Corr: 1.1

Temp Blank Present: ☑ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
Date: 4/8/22 /Initials: TP

Labeled By Initials: MP

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☑No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

40243241

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
GFL Glacier Ridge	Report To: Kari Rabideau	Attention: Kari Rabideau
N7296 Hwy V	Copy To: Frank Perugini - ESC, ESC Staff, Sherren Clark - SCS Eng	Company Name: GFL Glacier Ridge
Horicon, WI 53032		Address: N7296 Hwy V, Horicon, WI 53032
Email To: Kari Rabideau	Purchase Order No.: na	Pace Quote Reference: na
Phone: na / Fax: na	Project Name: LGRL Investigation Wells	Pace Project Manager: Cindy Varga
Requested Due Date/TAT:	Project Number: na	Pace Profile #: 4172 line 36

REGULATORY AGENCY

__NPDES _X_GROUND WATER __DRINKING WATER
__UST __RCRA OTHER_____

SITE LOCATION: __GA __IL __IN __MI __NC __OH __SC _X_WI OTHER____

Filtered (Y/N): N Y Y

Section D Required Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes: 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	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE (2022)	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Nitric	HCL	Unpreserved	8260 NR 507 VOCs	diss chloride, alkalinity	diss 6010 - hard	Residual Chlorine (Y/N)	Pace Project Number Lab I.D.
1	P-426SS	WT	G	—	—	4/8	1135	11.0	5	1	3	1	X	X	X		001
2	P-426D	↓	↓	—	—	4/8	1210	10.6	5	1	3	1	X	X	X		002
3	P-423D	WT	G	—	—	4/8	1255	10.2	5	1	3	1	X	X	X		003
4	Trip Blank	—	—	—	—	—	—	—	2		2		X				004
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
[signature] /ESC	4/8/22	1800					Y/N	Y/N	Y/N
Waltco	4/9/22	0840	[signature]	4/9/22	0840	3.3	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

SAMPLE CONDITIONS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Scott Freimark

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 4/8/22

E-File,(ALLQ020rev.3,31Mar05), 13Jun2005

Sample Preservation Receipt Form

Client Name: GFL Glacier Ridge 4/9/22 AJW Project # 40243241

All containers needing preservation have been checked and noted below: **☒Yes** ☐No ~~☐N/A~~

Lab Lot# of pH paper: 10D3112 Lab Std #ID of preservation (if pH adjusted): 408572

Initial when completed: AJW Date/Time: 4/9/22 0955

Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	Glass								Plastic					Vials						Jars				General									
001										\		\					3														7	≤2	2.5 / **5** / 10
002										\		\					3														X		2.5 / 5 / 10
003										\		\					3														X		2.5 / 5 / 10
004																	1																2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
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018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

4/9/22 AJW

Exceptions to preservation check: **VOA**, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: ________ Headspace in VOA Vials (>6mm): ☐Yes ☒No ☐N/A *If yes look in headspace column

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Sample Condition Upon Receipt Form (SCUR)

Client Name: GFL Glacier Ridge Project #:

WO# : 40243241

40243241

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☒ Waltco ☐ Client ☐ Pace Other:

Tracking #: 3185978-1

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - 107 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 3.5 /Corr: 3.3

Temp Blank Present: ☒ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents: Date: 4/9/22 /Initials: AJ

Labeled By Initials: TP

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☒Yes ☐No ☐N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☐Yes ☒No ☐N/A	12. 001: "1210", 002: "1135" 4/9/22 AJ
Trip Blank Present:	☒Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 477		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample login

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 23, 2022

Lonn Walter
GFL Enviromental
N7296 Hwy V
Horicon, WI 53032

RE: Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Dear Lonn Walter:

Enclosed are the analytical results for sample(s) received by the laboratory between October 07, 2022 and November 01, 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 - Green Bay

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

Sincerely,

Cindy Varga
cindy.varga@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Sherren Clark, SCS Engineers
Environmental Sampling Corporation Staff, Environmental Sampling Corporation
Jake Margelofsky, GFL Enviromental
Frank Perugini, Environmental Sampling Corporation
Kari Rabideau, GFL Environmental
Ashley Radunzel, SCS ENGINEERS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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CERTIFICATIONS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40252778001	**MW-1B**	Water	10/06/22 10:20	10/07/22 08:45
40252818001	**P-401D**	Water	10/07/22 12:55	10/08/22 08:50
40252818002	**P-402E**	Water	10/07/22 12:20	10/08/22 08:50
40252818003	**P-430D**	Water	10/07/22 13:50	10/08/22 08:50
40252818004	**P-422B**	Water	10/07/22 12:40	10/08/22 08:50
40254032001	**P-423D**	Water	10/31/22 11:40	11/01/22 08:40
40254032002	**P-424D**	Water	10/31/22 12:20	11/01/22 08:40
40254032003	**P-424SS**	Water	10/31/22 14:25	11/01/22 08:40
40254032004	**P-426D**	Water	10/31/22 15:05	11/01/22 08:40
40254032005	**P-426SS**	Water	10/31/22 16:10	11/01/22 08:40
40254032006	**P-429SS**	Water	10/31/22 11:00	11/01/22 08:40
40254032007	**TRIP BLANK**	Water	10/31/22 00:00	11/01/22 08:40

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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SAMPLE ANALYTE COUNT

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40252778001	**MW-1B**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			CKV	7	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40252818001	**P-401D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	JAV	45	PASI-G
			CKV	7	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40252818002	**P-402E**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	JAV	45	PASI-G
			CKV	7	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40252818003	**P-430D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	JAV	45	PASI-G
			CKV	7	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40252818004	**P-422B**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	JAV	45	PASI-G
			CKV	7	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40254032001	**P-423D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			CKV	7	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40254032002	**P-424D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			CKV	7	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40254032003	**P-424SS**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G

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SAMPLE ANALYTE COUNT

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
			CKV	7	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40254032004	**P-426D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	JAV	46	PASI-G
			CKV	7	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40254032005	**P-426SS**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	JAV	45	PASI-G
			CKV	7	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40254032006	**P-429SS**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	JAV	45	PASI-G
			CKV	7	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40254032007	**TRIP BLANK**	EPA 8260	JAV	45	PASI-G

PASI-G = Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: MW-1B **Lab ID: 40252778001** Collected: 10/06/22 10:20 Received: 10/07/22 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**358000**	ug/L	2000	150	1		10/13/22 21:37		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/13/22 01:48	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/13/22 01:48	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/13/22 01:48	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/13/22 01:48	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/13/22 01:48	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/13/22 01:48	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/13/22 01:48	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/13/22 01:48	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/13/22 01:48	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/13/22 01:48	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/13/22 01:48	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		10/13/22 01:48	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		10/13/22 01:48	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/13/22 01:48	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/13/22 01:48	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/13/22 01:48	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/13/22 01:48	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		10/13/22 01:48	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/13/22 01:48	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/13/22 01:48	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/13/22 01:48	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/13/22 01:48	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/13/22 01:48	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/13/22 01:48	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/13/22 01:48	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/13/22 01:48	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/13/22 01:48	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/13/22 01:48	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/13/22 01:48	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/13/22 01:48	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/13/22 01:48	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/13/22 01:48	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/13/22 01:48	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/13/22 01:48	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/13/22 01:48	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/13/22 01:48	75-69-4	
Vinyl chloride	**9.4**	ug/L	1.0	0.17	1		10/13/22 01:48	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		10/13/22 01:48	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/13/22 01:48	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/13/22 01:48	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: MW-1B **Lab ID: 40252778001** Collected: 10/06/22 10:20 Received: 10/07/22 08:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/13/22 01:48	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/13/22 01:48	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/13/22 01:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/13/22 01:48	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/13/22 01:48	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.60**	Std. Units			1		10/06/22 10:20		
Field Specific Conductance	**851**	umhos/cm			1		10/06/22 10:20		
Turbidity	**N**	NTU			1		10/06/22 10:20		
Static Water Level	**926.11**	feet			1		10/06/22 10:20		
Apparent Color	**N**	no units			1		10/06/22 10:20		
Odor	**N**	no units			1		10/06/22 10:20		
Temperature, Water (C)	**13.1**	deg C			1		10/06/22 10:20		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**150**	mg/L	10.0	2.2	5		10/18/22 21:12	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**200**	mg/L	25.0	7.4	1		10/14/22 10:59		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-401D **Lab ID: 40252818001** Collected: 10/07/22 12:55 Received: 10/08/22 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**306000**	ug/L	2000	150	1		10/13/22 22:12		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/12/22 17:10	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/12/22 17:10	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/12/22 17:10	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/12/22 17:10	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/12/22 17:10	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/12/22 17:10	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/12/22 17:10	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/12/22 17:10	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/12/22 17:10	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/12/22 17:10	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/12/22 17:10	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		10/12/22 17:10	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		10/12/22 17:10	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/12/22 17:10	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/12/22 17:10	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/12/22 17:10	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/12/22 17:10	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		10/12/22 17:10	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/12/22 17:10	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/12/22 17:10	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/12/22 17:10	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/12/22 17:10	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/12/22 17:10	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/12/22 17:10	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/12/22 17:10	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/12/22 17:10	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/12/22 17:10	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/12/22 17:10	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/12/22 17:10	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/12/22 17:10	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/12/22 17:10	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/12/22 17:10	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/12/22 17:10	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/12/22 17:10	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/12/22 17:10	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/12/22 17:10	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/12/22 17:10	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		10/12/22 17:10	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/12/22 17:10	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/12/22 17:10	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-401D **Lab ID: 40252818001** Collected: 10/07/22 12:55 Received: 10/08/22 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/12/22 17:10	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/12/22 17:10	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/12/22 17:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/12/22 17:10	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		10/12/22 17:10	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.33**	Std. Units			1		10/07/22 12:55		
Field Specific Conductance	**637**	umhos/cm			1		10/07/22 12:55		
Turbidity	**N**	NTU			1		10/07/22 12:55		
Static Water Level	**848.20**	feet			1		10/07/22 12:55		
Apparent Color	**N**	no units			1		10/07/22 12:55		
Odor	**N**	no units			1		10/07/22 12:55		
Temperature, Water (C)	**12.8**	deg C			1		10/07/22 12:55		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**19.2**	mg/L	2.0	0.43	1		10/18/22 18:35	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**344**	mg/L	25.0	7.4	1		10/14/22 11:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-402E **Lab ID: 40252818002** Collected: 10/07/22 12:20 Received: 10/08/22 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**453000**	ug/L	2000	150	1		10/13/22 22:15		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.76**	ug/L	2.5	0.76	2.5		10/12/22 19:27	71-55-6	
1,1,2-Trichloroethane	**<0.86**	ug/L	12.5	0.86	2.5		10/12/22 19:27	79-00-5	
1,1-Dichloroethane	**<0.74**	ug/L	2.5	0.74	2.5		10/12/22 19:27	75-34-3	
1,1-Dichloroethene	**<1.5**	ug/L	2.5	1.5	2.5		10/12/22 19:27	75-35-4	
1,2-Dibromo-3-chloropropane	**<5.9**	ug/L	12.5	5.9	2.5		10/12/22 19:27	96-12-8	
1,2-Dibromoethane (EDB)	**<0.77**	ug/L	2.5	0.77	2.5		10/12/22 19:27	106-93-4	
1,2-Dichlorobenzene	**<0.81**	ug/L	2.5	0.81	2.5		10/12/22 19:27	95-50-1	
1,2-Dichloroethane	**<0.73**	ug/L	2.5	0.73	2.5		10/12/22 19:27	107-06-2	
1,2-Dichloropropane	**<1.1**	ug/L	2.5	1.1	2.5		10/12/22 19:27	78-87-5	
1,3-Dichlorobenzene	**<0.88**	ug/L	2.5	0.88	2.5		10/12/22 19:27	541-73-1	
1,4-Dichlorobenzene	**<2.2**	ug/L	2.5	2.2	2.5		10/12/22 19:27	106-46-7	
2-Butanone (MEK)	**<16.3**	ug/L	62.5	16.3	2.5		10/12/22 19:27	78-93-3	
Acetone	**<21.6**	ug/L	62.5	21.6	2.5		10/12/22 19:27	67-64-1	
Benzene	**<0.74**	ug/L	2.5	0.74	2.5		10/12/22 19:27	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	2.5	1.0	2.5		10/12/22 19:27	75-27-4	
Bromoform	**<9.5**	ug/L	12.5	9.5	2.5		10/12/22 19:27	75-25-2	
Bromomethane	**<3.0**	ug/L	12.5	3.0	2.5		10/12/22 19:27	74-83-9	
Carbon disulfide	**<2.8**	ug/L	12.5	2.8	2.5		10/12/22 19:27	75-15-0	
Carbon tetrachloride	**<0.92**	ug/L	2.5	0.92	2.5		10/12/22 19:27	56-23-5	
Chlorobenzene	**<2.1**	ug/L	2.5	2.1	2.5		10/12/22 19:27	108-90-7	
Chloroethane	**<3.4**	ug/L	12.5	3.4	2.5		10/12/22 19:27	75-00-3	
Chloroform	**<3.0**	ug/L	12.5	3.0	2.5		10/12/22 19:27	67-66-3	
Chloromethane	**<4.1**	ug/L	12.5	4.1	2.5		10/12/22 19:27	74-87-3	
Dibromochloromethane	**<6.6**	ug/L	12.5	6.6	2.5		10/12/22 19:27	124-48-1	
Dibromomethane	**<2.5**	ug/L	12.5	2.5	2.5		10/12/22 19:27	74-95-3	
Dichlorodifluoromethane	**<1.1**	ug/L	12.5	1.1	2.5		10/12/22 19:27	75-71-8	
Ethylbenzene	**<0.81**	ug/L	2.5	0.81	2.5		10/12/22 19:27	100-41-4	
Methyl-tert-butyl ether	**<2.8**	ug/L	12.5	2.8	2.5		10/12/22 19:27	1634-04-4	
Methylene Chloride	**<0.80**	ug/L	12.5	0.80	2.5		10/12/22 19:27	75-09-2	
Naphthalene	**<2.8**	ug/L	12.5	2.8	2.5		10/12/22 19:27	91-20-3	
Styrene	**<0.89**	ug/L	2.5	0.89	2.5		10/12/22 19:27	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	2.5	1.0	2.5		10/12/22 19:27	127-18-4	
Tetrahydrofuran	**<6.0**	ug/L	62.5	6.0	2.5		10/12/22 19:27	109-99-9	
Toluene	**<0.72**	ug/L	2.5	0.72	2.5		10/12/22 19:27	108-88-3	
Trichloroethene	**<0.80**	ug/L	2.5	0.80	2.5		10/12/22 19:27	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	2.5	1.0	2.5		10/12/22 19:27	75-69-4	
Vinyl chloride	**30.3**	ug/L	2.5	0.44	2.5		10/12/22 19:27	75-01-4	
Xylene (Total)	**<2.6**	ug/L	7.5	2.6	2.5		10/12/22 19:27	1330-20-7	
cis-1,2-Dichloroethene	**186**	ug/L	2.5	1.2	2.5		10/12/22 19:27	156-59-2	
cis-1,3-Dichloropropene	**<0.90**	ug/L	2.5	0.90	2.5		10/12/22 19:27	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-402E **Lab ID: 40252818002** Collected: 10/07/22 12:20 Received: 10/08/22 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**5.1**	ug/L	2.5	1.3	2.5		10/12/22 19:27	156-60-5	
trans-1,3-Dichloropropene	**<8.7**	ug/L	12.5	8.7	2.5		10/12/22 19:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		2.5		10/12/22 19:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		2.5		10/12/22 19:27	2199-69-1	
Toluene-d8 (S)	98	%	70-130		2.5		10/12/22 19:27	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.16**	Std. Units			1		10/07/22 12:20		
Field Specific Conductance	**730**	umhos/cm			1		10/07/22 12:20		
Turbidity	**N**	NTU			1		10/07/22 12:20		
Static Water Level	**847.18**	feet			1		10/07/22 12:20		
Apparent Color	**N**	no units			1		10/07/22 12:20		
Odor	**N**	no units			1		10/07/22 12:20		
Temperature, Water (C)	**13.4**	deg C			1		10/07/22 12:20		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**44.2**	mg/L	2.0	0.43	1		10/18/22 18:49	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**380**	mg/L	25.0	7.4	1		10/14/22 11:25		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-430D **Lab ID: 40252818003** Collected: 10/07/22 13:50 Received: 10/08/22 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**404000**	ug/L	2000	150	1		10/13/22 22:17		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/12/22 17:27	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/12/22 17:27	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/12/22 17:27	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/12/22 17:27	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/12/22 17:27	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/12/22 17:27	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/12/22 17:27	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/12/22 17:27	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/12/22 17:27	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/12/22 17:27	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/12/22 17:27	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		10/12/22 17:27	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		10/12/22 17:27	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/12/22 17:27	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/12/22 17:27	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/12/22 17:27	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/12/22 17:27	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		10/12/22 17:27	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/12/22 17:27	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/12/22 17:27	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/12/22 17:27	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/12/22 17:27	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/12/22 17:27	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/12/22 17:27	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/12/22 17:27	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/12/22 17:27	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/12/22 17:27	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/12/22 17:27	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/12/22 17:27	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/12/22 17:27	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/12/22 17:27	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/12/22 17:27	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/12/22 17:27	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/12/22 17:27	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/12/22 17:27	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/12/22 17:27	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/12/22 17:27	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		10/12/22 17:27	1330-20-7	
cis-1,2-Dichloroethene	**14.2**	ug/L	1.0	0.47	1		10/12/22 17:27	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/12/22 17:27	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-430D **Lab ID: 40252818003** Collected: 10/07/22 13:50 Received: 10/08/22 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**0.95J**	ug/L	1.0	0.53	1		10/12/22 17:27	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/12/22 17:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/12/22 17:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/12/22 17:27	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		10/12/22 17:27	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.24**	Std. Units			1		10/07/22 13:50		
Field Specific Conductance	**613**	umhos/cm			1		10/07/22 13:50		
Turbidity	**N**	NTU			1		10/07/22 13:50		
Static Water Level	**887.59**	feet			1		10/07/22 13:50		
Apparent Color	**N**	no units			1		10/07/22 13:50		
Odor	**N**	no units			1		10/07/22 13:50		
Temperature, Water (C)	**11.5**	deg C			1		10/07/22 13:50		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**22.9**	mg/L	2.0	0.43	1		10/18/22 20:10	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**354**	mg/L	25.0	7.4	1		10/14/22 11:27		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-422B **Lab ID: 40252818004** Collected: 10/07/22 12:40 Received: 10/08/22 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**172000**	ug/L	2000	150	1		10/13/22 22:20		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/12/22 17:44	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		10/12/22 17:44	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/12/22 17:44	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/12/22 17:44	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/12/22 17:44	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/12/22 17:44	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/12/22 17:44	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/12/22 17:44	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/12/22 17:44	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/12/22 17:44	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/12/22 17:44	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		10/12/22 17:44	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		10/12/22 17:44	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/12/22 17:44	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/12/22 17:44	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		10/12/22 17:44	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/12/22 17:44	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		10/12/22 17:44	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/12/22 17:44	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/12/22 17:44	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/12/22 17:44	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		10/12/22 17:44	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/12/22 17:44	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/12/22 17:44	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/12/22 17:44	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/12/22 17:44	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/12/22 17:44	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/12/22 17:44	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/12/22 17:44	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		10/12/22 17:44	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/12/22 17:44	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/12/22 17:44	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/12/22 17:44	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/12/22 17:44	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/12/22 17:44	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/12/22 17:44	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/12/22 17:44	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		10/12/22 17:44	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/12/22 17:44	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		10/12/22 17:44	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-422B **Lab ID: 40252818004** Collected: 10/07/22 12:40 Received: 10/08/22 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/12/22 17:44	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		10/12/22 17:44	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/12/22 17:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/12/22 17:44	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		10/12/22 17:44	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.88**	Std. Units			1		10/07/22 12:40		
Field Specific Conductance	**455**	umhos/cm			1		10/07/22 12:40		
Turbidity	**N**	NTU			1		10/07/22 12:40		
Static Water Level	**927.29**	feet			1		10/07/22 12:40		
Apparent Color	**N**	no units			1		10/07/22 12:40		
Odor	**N**	no units			1		10/07/22 12:40		
Temperature, Water (C)	**10.8**	deg C			1		10/07/22 12:40		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**8.0**	mg/L	2.0	0.43	1		10/18/22 20:25	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**215**	mg/L	25.0	7.4	1		10/14/22 11:28		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-423D **Lab ID: 40254032001** Collected: 10/31/22 11:40 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**425000**	ug/L	5400	1000	1		11/04/22 19:31		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/04/22 20:11	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/04/22 20:11	79-00-5	
1,1-Dichloroethane	**0.46J**	ug/L	1.0	0.30	1		11/04/22 20:11	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/04/22 20:11	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/04/22 20:11	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/04/22 20:11	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/04/22 20:11	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/04/22 20:11	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/04/22 20:11	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/04/22 20:11	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/04/22 20:11	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/04/22 20:11	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/04/22 20:11	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/04/22 20:11	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/04/22 20:11	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/04/22 20:11	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/04/22 20:11	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		11/04/22 20:11	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/04/22 20:11	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/04/22 20:11	108-90-7	
Chloroethane	**2.0J**	ug/L	5.0	1.4	1		11/04/22 20:11	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/04/22 20:11	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/04/22 20:11	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/04/22 20:11	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/04/22 20:11	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/04/22 20:11	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/04/22 20:11	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/04/22 20:11	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/04/22 20:11	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/04/22 20:11	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/04/22 20:11	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/04/22 20:11	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/04/22 20:11	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/04/22 20:11	108-88-3	
Trichloroethene	**0.77J**	ug/L	1.0	0.32	1		11/04/22 20:11	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/04/22 20:11	75-69-4	
Vinyl chloride	**2.6**	ug/L	1.0	0.17	1		11/04/22 20:11	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/04/22 20:11	1330-20-7	
cis-1,2-Dichloroethene	**52.6**	ug/L	1.0	0.47	1		11/04/22 20:11	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/04/22 20:11	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-423D **Lab ID: 40254032001** Collected: 10/31/22 11:40 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**1.9**	ug/L	1.0	0.53	1		11/04/22 20:11	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/04/22 20:11	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/04/22 20:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		11/04/22 20:11	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		11/04/22 20:11	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.48**	Std. Units			1		10/31/22 11:40		
Field Specific Conductance	**835**	umhos/cm			1		10/31/22 11:40		
Turbidity	**N**	NTU			1		10/31/22 11:40		
Static Water Level	**847.89**	feet			1		10/31/22 11:40		
Apparent Color	**N**	no units			1		10/31/22 11:40		
Odor	**N**	no units			1		10/31/22 11:40		
Temperature, Water (C)	**14.8**	deg C			1		10/31/22 11:40		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**37.6**	mg/L	2.0	0.43	1		11/12/22 22:51	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**372**	mg/L	25.0	7.4	1		11/04/22 11:03		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-424D **Lab ID: 40254032002** Collected: 10/31/22 12:20 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**426000**	ug/L	5400	1000	1		11/04/22 19:33		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/04/22 20:31	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/04/22 20:31	79-00-5	
1,1-Dichloroethane	**0.53J**	ug/L	1.0	0.30	1		11/04/22 20:31	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/04/22 20:31	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/04/22 20:31	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/04/22 20:31	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/04/22 20:31	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/04/22 20:31	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/04/22 20:31	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/04/22 20:31	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/04/22 20:31	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/04/22 20:31	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/04/22 20:31	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/04/22 20:31	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/04/22 20:31	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/04/22 20:31	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/04/22 20:31	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		11/04/22 20:31	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/04/22 20:31	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/04/22 20:31	108-90-7	
Chloroethane	**1.7J**	ug/L	5.0	1.4	1		11/04/22 20:31	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/04/22 20:31	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/04/22 20:31	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/04/22 20:31	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/04/22 20:31	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/04/22 20:31	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/04/22 20:31	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/04/22 20:31	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/04/22 20:31	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/04/22 20:31	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/04/22 20:31	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/04/22 20:31	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/04/22 20:31	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/04/22 20:31	108-88-3	
Trichloroethene	**1.4**	ug/L	1.0	0.32	1		11/04/22 20:31	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/04/22 20:31	75-69-4	
Vinyl chloride	**4.7**	ug/L	1.0	0.17	1		11/04/22 20:31	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/04/22 20:31	1330-20-7	
cis-1,2-Dichloroethene	**87.1**	ug/L	1.0	0.47	1		11/04/22 20:31	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/04/22 20:31	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-424D **Lab ID: 40254032002** Collected: 10/31/22 12:20 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**2.6**	ug/L	1.0	0.53	1		11/04/22 20:31	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/04/22 20:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/04/22 20:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/04/22 20:31	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		11/04/22 20:31	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.32**	Std. Units			1		10/31/22 12:20		
Field Specific Conductance	**822**	umhos/cm			1		10/31/22 12:20		
Turbidity	**N**	NTU			1		10/31/22 12:20		
Static Water Level	**848.48**	feet			1		10/31/22 12:20		
Apparent Color	**N**	no units			1		10/31/22 12:20		
Odor	**N**	no units			1		10/31/22 12:20		
Temperature, Water (C)	**15.6**	deg C			1		10/31/22 12:20		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**37.3**	mg/L	2.0	0.43	1		11/12/22 23:06	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**382**	mg/L	25.0	7.4	1		11/04/22 11:04		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-424SS **Lab ID: 40254032003** Collected: 10/31/22 14:25 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**301000**	ug/L	5400	1000	1		11/04/22 19:36		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/04/22 18:06	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/04/22 18:06	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/04/22 18:06	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/04/22 18:06	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/04/22 18:06	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/04/22 18:06	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/04/22 18:06	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/04/22 18:06	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/04/22 18:06	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/04/22 18:06	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/04/22 18:06	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/04/22 18:06	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/04/22 18:06	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/04/22 18:06	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/04/22 18:06	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/04/22 18:06	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/04/22 18:06	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		11/04/22 18:06	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/04/22 18:06	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/04/22 18:06	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/04/22 18:06	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/04/22 18:06	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/04/22 18:06	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/04/22 18:06	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/04/22 18:06	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/04/22 18:06	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/04/22 18:06	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/04/22 18:06	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/04/22 18:06	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/04/22 18:06	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/04/22 18:06	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/04/22 18:06	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/04/22 18:06	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/04/22 18:06	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/04/22 18:06	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/04/22 18:06	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/04/22 18:06	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/04/22 18:06	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/04/22 18:06	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/04/22 18:06	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-424SS **Lab ID: 40254032003** Collected: 10/31/22 14:25 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/04/22 18:06	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/04/22 18:06	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		11/04/22 18:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		11/04/22 18:06	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		11/04/22 18:06	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.59**	Std. Units			1		10/31/22 14:25		
Field Specific Conductance	**662**	umhos/cm			1		10/31/22 14:25		
Turbidity	**N**	NTU			1		10/31/22 14:25		
Static Water Level	**847.78**	feet			1		10/31/22 14:25		
Apparent Color	**N**	no units			1		10/31/22 14:25		
Odor	**N**	no units			1		10/31/22 14:25		
Temperature, Water (C)	**14.8**	deg C			1		10/31/22 14:25		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**0.85J**	mg/L	2.0	0.43	1		11/12/22 23:21	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**325**	mg/L	25.0	7.4	1		11/04/22 11:05		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-426D **Lab ID: 40254032004** Collected: 10/31/22 15:05 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**393000**	ug/L	5400	1000	1		11/04/22 19:38		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/22 11:35	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/07/22 11:35	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/22 11:35	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/07/22 11:35	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/07/22 11:35	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/07/22 11:35	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/22 11:35	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/07/22 11:35	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/07/22 11:35	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/07/22 11:35	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/07/22 11:35	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/07/22 11:35	78-93-3	
4-Methyl-2-pentanone (MIBK)	**<6.0**	ug/L	25.0	6.0	1		11/07/22 11:35	108-10-1	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/07/22 11:35	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/07/22 11:35	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/22 11:35	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/07/22 11:35	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/07/22 11:35	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		11/07/22 11:35	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/07/22 11:35	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/07/22 11:35	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/07/22 11:35	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/07/22 11:35	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/07/22 11:35	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/07/22 11:35	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/07/22 11:35	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/07/22 11:35	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/22 11:35	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/07/22 11:35	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/07/22 11:35	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/07/22 11:35	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/07/22 11:35	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/07/22 11:35	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/07/22 11:35	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/07/22 11:35	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/07/22 11:35	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/22 11:35	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/07/22 11:35	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/07/22 11:35	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/07/22 11:35	156-59-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-426D **Lab ID: 40254032004** Collected: 10/31/22 15:05 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/07/22 11:35	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/07/22 11:35	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/07/22 11:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	112	%	70-130		1		11/07/22 11:35	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		11/07/22 11:35	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		11/07/22 11:35	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.29**	Std. Units			1		10/31/22 15:05		
Field Specific Conductance	**730**	umhos/cm			1		10/31/22 15:05		
Turbidity	**N**	NTU			1		10/31/22 15:05		
Static Water Level	**847.93**	feet			1		10/31/22 15:05		
Apparent Color	**N**	no units			1		10/31/22 15:05		
Odor	**N**	no units			1		10/31/22 15:05		
Temperature, Water (C)	**15.8**	deg C			1		10/31/22 15:05		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**19.2**	mg/L	10.0	2.2	5		11/12/22 23:36	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**356**	mg/L	25.0	7.4	1		11/04/22 11:06		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-426SS **Lab ID: 40254032005** Collected: 10/31/22 16:10 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**449000**	ug/L	5400	1000	1		11/04/22 19:41		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/05/22 03:13	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/05/22 03:13	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/05/22 03:13	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/05/22 03:13	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/05/22 03:13	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/05/22 03:13	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/05/22 03:13	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/05/22 03:13	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/05/22 03:13	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/05/22 03:13	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/05/22 03:13	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/05/22 03:13	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/05/22 03:13	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/05/22 03:13	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/05/22 03:13	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/05/22 03:13	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/05/22 03:13	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		11/05/22 03:13	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/05/22 03:13	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/05/22 03:13	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/05/22 03:13	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/05/22 03:13	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/05/22 03:13	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/05/22 03:13	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/05/22 03:13	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/05/22 03:13	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/05/22 03:13	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/05/22 03:13	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/05/22 03:13	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/05/22 03:13	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/05/22 03:13	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/05/22 03:13	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/05/22 03:13	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/05/22 03:13	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/05/22 03:13	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/05/22 03:13	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/05/22 03:13	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/05/22 03:13	1330-20-7	
cis-1,2-Dichloroethene	**2.5**	ug/L	1.0	0.47	1		11/05/22 03:13	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/05/22 03:13	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-426SS **Lab ID: 40254032005** Collected: 10/31/22 16:10 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/05/22 03:13	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/05/22 03:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		11/05/22 03:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		11/05/22 03:13	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		11/05/22 03:13	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.06**	Std. Units			1		10/31/22 16:10		
Field Specific Conductance	**789**	umhos/cm			1		10/31/22 16:10		
Turbidity	**N**	NTU			1		10/31/22 16:10		
Static Water Level	**845.15**	feet			1		10/31/22 16:10		
Apparent Color	**N**	no units			1		10/31/22 16:10		
Odor	**N**	no units			1		10/31/22 16:10		
Temperature, Water (C)	**15.2**	deg C			1		10/31/22 16:10		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**30.7**	mg/L	2.0	0.43	1		11/12/22 23:50	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**378**	mg/L	25.0	7.4	1		11/04/22 11:07		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-429SS **Lab ID: 40254032006** Collected: 10/31/22 11:00 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Pace Analytical Services - Green Bay								
Total Hardness by 2340B, Dissolved	**311000**	ug/L	5400	1000	1		11/04/22 19:43		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/05/22 03:32	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/05/22 03:32	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/05/22 03:32	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/05/22 03:32	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/05/22 03:32	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/05/22 03:32	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/05/22 03:32	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/05/22 03:32	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/05/22 03:32	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/05/22 03:32	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/05/22 03:32	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/05/22 03:32	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/05/22 03:32	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/05/22 03:32	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/05/22 03:32	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/05/22 03:32	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/05/22 03:32	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		11/05/22 03:32	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/05/22 03:32	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/05/22 03:32	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/05/22 03:32	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/05/22 03:32	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/05/22 03:32	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/05/22 03:32	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/05/22 03:32	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/05/22 03:32	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/05/22 03:32	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/05/22 03:32	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/05/22 03:32	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/05/22 03:32	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/05/22 03:32	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/05/22 03:32	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/05/22 03:32	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/05/22 03:32	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/05/22 03:32	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/05/22 03:32	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/05/22 03:32	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/05/22 03:32	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/05/22 03:32	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/05/22 03:32	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: P-429SS **Lab ID: 40254032006** Collected: 10/31/22 11:00 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
	Pace Analytical Services - Green Bay								
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/05/22 03:32	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/05/22 03:32	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		11/05/22 03:32	460-00-4	
1,2-Dichlorobenzene-d4 (S)	111	%	70-130		1		11/05/22 03:32	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		11/05/22 03:32	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.25**	Std. Units			1		10/31/22 11:00		
Field Specific Conductance	**640**	umhos/cm			1		10/31/22 11:00		
Turbidity	**N**	NTU			1		10/31/22 11:00		
Static Water Level	**836.39**	feet			1		10/31/22 11:00		
Apparent Color	**N**	no units			1		10/31/22 11:00		
Odor	**N**	no units			1		10/31/22 11:00		
Temperature, Water (C)	**14.6**	deg C			1		10/31/22 11:00		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**1.7J**	mg/L	2.0	0.43	1		11/13/22 00:05	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**331**	mg/L	50.0	14.9	2		11/04/22 11:08		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: TRIP BLANK **Lab ID: 40254032007** Collected: 10/31/22 00:00 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/22 12:16	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	5.0	0.34	1		11/07/22 12:16	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/22 12:16	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/07/22 12:16	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/07/22 12:16	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/07/22 12:16	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/22 12:16	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/07/22 12:16	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/07/22 12:16	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/07/22 12:16	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/07/22 12:16	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/07/22 12:16	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/07/22 12:16	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/07/22 12:16	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/22 12:16	75-27-4	
Bromoform	**<3.8**	ug/L	5.0	3.8	1		11/07/22 12:16	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/07/22 12:16	74-83-9	
Carbon disulfide	**<1.1**	ug/L	5.0	1.1	1		11/07/22 12:16	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/07/22 12:16	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/07/22 12:16	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/07/22 12:16	75-00-3	
Chloroform	**<1.2**	ug/L	5.0	1.2	1		11/07/22 12:16	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/07/22 12:16	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/07/22 12:16	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/07/22 12:16	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/07/22 12:16	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/22 12:16	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/07/22 12:16	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/07/22 12:16	75-09-2	
Naphthalene	**<1.1**	ug/L	5.0	1.1	1		11/07/22 12:16	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/07/22 12:16	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/07/22 12:16	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/07/22 12:16	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/07/22 12:16	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/07/22 12:16	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/22 12:16	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/07/22 12:16	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/07/22 12:16	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/07/22 12:16	156-59-2	
cis-1,3-Dichloropropene	**<0.36**	ug/L	1.0	0.36	1		11/07/22 12:16	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/07/22 12:16	156-60-5	
trans-1,3-Dichloropropene	**<3.5**	ug/L	5.0	3.5	1		11/07/22 12:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		11/07/22 12:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		11/07/22 12:16	2199-69-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Sample: TRIP BLANK **Lab ID: 40254032007** Collected: 10/31/22 00:00 Received: 11/01/22 08:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
Surrogates									
Toluene-d8 (S)	103	%	70-130		1		11/07/22 12:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

QC Batch: 428624
QC Batch Method: EPA 6010D
Analysis Method: EPA 6010D
Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40252778001

METHOD BLANK: 2468579 Matrix: Water
Associated Lab Samples: 40252778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L	<150	2000	10/13/22 20:28	

LABORATORY CONTROL SAMPLE: 2468580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L		69300			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2468581 2468582

Parameter	Units	40252687001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Hardness by 2340B, Dissolved	ug/L	318 mg/L			383000	383000				0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

QC Batch: 428655 — Analysis Method: EPA 6010D
QC Batch Method: EPA 6010D — Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40252818001, 40252818002, 40252818003, 40252818004

METHOD BLANK: 2468684 — Matrix: Water
Associated Lab Samples: 40252818001, 40252818002, 40252818003, 40252818004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L	<150	2000	10/13/22 21:40	

LABORATORY CONTROL SAMPLE: 2468685

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L		70200			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2468686 2468687

Parameter	Units	40252774002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Hardness by 2340B, Dissolved	ug/L	565000			623000	626000				0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

QC Batch: 430688 — Analysis Method: EPA 6010D
QC Batch Method: EPA 6010D — Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40254032001, 40254032002, 40254032003, 40254032004, 40254032005, 40254032006

METHOD BLANK: 2480402 — Matrix: Water
Associated Lab Samples: 40254032001, 40254032002, 40254032003, 40254032004, 40254032005, 40254032006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L	<1000	5400	11/04/22 18:58	

LABORATORY CONTROL SAMPLE: 2480403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L		66100			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2480404 2480405

Parameter	Units	40254002001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Hardness by 2340B, Dissolved	ug/L	932000			995000	986000				1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

QC Batch: 428225
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40252778001

METHOD BLANK: 2466565 Matrix: Water
Associated Lab Samples: 40252778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/12/22 17:16	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	10/12/22 17:16	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/12/22 17:16	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/12/22 17:16	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/12/22 17:16	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/12/22 17:16	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/12/22 17:16	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/12/22 17:16	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/12/22 17:16	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/12/22 17:16	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/12/22 17:16	
2-Butanone (MEK)	ug/L	<6.5	25.0	10/12/22 17:16	
Acetone	ug/L	<8.6	25.0	10/12/22 17:16	
Benzene	ug/L	<0.30	1.0	10/12/22 17:16	
Bromodichloromethane	ug/L	<0.42	1.0	10/12/22 17:16	
Bromoform	ug/L	<3.8	5.0	10/12/22 17:16	
Bromomethane	ug/L	<1.2	5.0	10/12/22 17:16	
Carbon disulfide	ug/L	<1.1	5.0	10/12/22 17:16	
Carbon tetrachloride	ug/L	<0.37	1.0	10/12/22 17:16	
Chlorobenzene	ug/L	<0.86	1.0	10/12/22 17:16	
Chloroethane	ug/L	<1.4	5.0	10/12/22 17:16	
Chloroform	ug/L	<1.2	5.0	10/12/22 17:16	
Chloromethane	ug/L	<1.6	5.0	10/12/22 17:16	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/12/22 17:16	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	10/12/22 17:16	
Dibromochloromethane	ug/L	<2.6	5.0	10/12/22 17:16	
Dibromomethane	ug/L	<0.99	5.0	10/12/22 17:16	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/12/22 17:16	
Ethylbenzene	ug/L	<0.33	1.0	10/12/22 17:16	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/12/22 17:16	
Methylene Chloride	ug/L	<0.32	5.0	10/12/22 17:16	
Naphthalene	ug/L	<1.1	5.0	10/12/22 17:16	
Styrene	ug/L	<0.36	1.0	10/12/22 17:16	
Tetrachloroethene	ug/L	<0.41	1.0	10/12/22 17:16	
Tetrahydrofuran	ug/L	<2.4	25.0	10/12/22 17:16	
Toluene	ug/L	<0.29	1.0	10/12/22 17:16	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/12/22 17:16	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	10/12/22 17:16	
Trichloroethene	ug/L	<0.32	1.0	10/12/22 17:16	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/12/22 17:16	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

METHOD BLANK: 2466565 Matrix: Water
Associated Lab Samples: 40252778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	<0.17	1.0	10/12/22 17:16	
Xylene (Total)	ug/L	<1.0	3.0	10/12/22 17:16	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	10/12/22 17:16	
4-Bromofluorobenzene (S)	%	102	70-130	10/12/22 17:16	
Toluene-d8 (S)	%	101	70-130	10/12/22 17:16	

LABORATORY CONTROL SAMPLE: 2466566

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.8	112	70-134	
1,1,2-Trichloroethane	ug/L	50	50.4	101	70-130	
1,1-Dichloroethane	ug/L	50	34.9	70	70-130	
1,1-Dichloroethene	ug/L	50	42.1	84	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	43.0	86	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	46.7	93	70-130	
1,2-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,2-Dichloroethane	ug/L	50	49.7	99	70-137	
1,2-Dichloropropane	ug/L	50	49.5	99	80-121	
1,3-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,4-Dichlorobenzene	ug/L	50	52.3	105	70-130	
Benzene	ug/L	50	49.4	99	70-130	
Bromodichloromethane	ug/L	50	50.7	101	70-130	
Bromoform	ug/L	50	53.3	107	70-130	
Bromomethane	ug/L	50	33.9	68	21-147	
Carbon disulfide	ug/L	50	39.8	80	70-130	
Carbon tetrachloride	ug/L	50	56.0	112	80-146	
Chlorobenzene	ug/L	50	51.4	103	70-130	
Chloroethane	ug/L	50	35.7	71	52-165	
Chloroform	ug/L	50	55.2	110	80-123	
Chloromethane	ug/L	50	37.2	74	51-122	
cis-1,2-Dichloroethene	ug/L	50	51.4	103	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.2	98	70-130	
Dibromochloromethane	ug/L	50	51.4	103	70-130	
Dichlorodifluoromethane	ug/L	50	27.4	55	25-121	
Ethylbenzene	ug/L	50	53.1	106	80-120	
Methyl-tert-butyl ether	ug/L	50	35.5	71	70-130	
Methylene Chloride	ug/L	50	40.8	82	70-130	
Styrene	ug/L	50	52.1	104	70-130	
Tetrachloroethene	ug/L	50	54.5	109	70-130	
Toluene	ug/L	50	52.1	104	80-120	
trans-1,2-Dichloroethene	ug/L	50	40.3	81	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.3	99	70-130	
Trichloroethene	ug/L	50	53.1	106	70-130	
Trichlorofluoromethane	ug/L	50	52.2	104	65-160	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

LABORATORY CONTROL SAMPLE: 2466566

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	45.0	90	63-134	
Xylene (Total)	ug/L	150	157	105	70-130	
1,2-Dichlorobenzene-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2467157 2467158

Parameter	Units	40252774004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	54.1	55.9	108	112	70-134	3	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	51.4	52.1	103	104	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	51.9	36.7	104	73	70-130	34	20	R1
1,1-Dichloroethene	ug/L	<0.58	50	50	51.6	44.4	103	89	71-130	15	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	44.7	42.7	89	85	51-141	4	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	48.7	50.0	97	100	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	49.3	50.4	99	101	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	51.5	52.1	103	104	70-137	1	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	50.0	51.9	100	104	80-121	4	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	52.9	54.1	106	108	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	52.1	52.9	104	106	70-130	1	20	
Benzene	ug/L	<0.30	50	50	49.7	50.7	99	101	70-130	2	20	
Bromodichloromethane	ug/L	<0.42	50	50	51.4	52.8	103	106	70-130	3	20	
Bromoform	ug/L	<3.8	50	50	53.8	54.9	108	110	70-133	2	20	
Bromomethane	ug/L	<1.2	50	50	36.1	38.4	72	77	21-149	6	22	
Carbon disulfide	ug/L	<1.1	50	50	51.3	39.8	103	80	70-130	25	20	R1
Carbon tetrachloride	ug/L	<0.37	50	50	55.5	56.9	111	114	80-146	3	20	
Chlorobenzene	ug/L	<0.86	50	50	52.0	54.0	104	108	70-130	4	20	
Chloroethane	ug/L	<1.4	50	50	34.6	31.4	69	63	52-165	10	20	
Chloroform	ug/L	<1.2	50	50	55.7	57.0	111	114	80-123	2	20	
Chloromethane	ug/L	<1.6	50	50	37.2	37.1	74	74	42-125	0	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	51.2	54.0	102	108	70-130	5	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	49.5	52.3	99	105	70-130	6	20	
Dibromochloromethane	ug/L	<2.6	50	50	51.7	53.8	103	108	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	25.7	24.7	51	49	25-121	4	20	
Ethylbenzene	ug/L	<0.33	50	50	53.6	55.0	107	110	80-121	3	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	44.5	38.6	89	77	70-130	14	20	
Methylene Chloride	ug/L	<0.32	50	50	47.4	41.1	95	82	70-130	14	20	
Styrene	ug/L	<0.36	50	50	52.2	53.8	104	108	70-132	3	20	
Tetrachloroethene	ug/L	<0.41	50	50	54.3	54.9	109	110	70-130	1	20	
Toluene	ug/L	<0.29	50	50	51.7	53.5	103	107	80-120	3	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	48.5	42.1	97	84	70-130	14	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	50.7	52.5	101	105	70-130	3	20	
Trichloroethene	ug/L	<0.32	50	50	54.6	54.6	109	109	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2467157 2467158

Parameter	Units	40252774004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichlorofluoromethane	ug/L	<0.42	50	50	49.1	44.0	98	88	65-160	11	20	
Vinyl chloride	ug/L	<0.17	50	50	43.7	43.8	87	88	60-137	0	20	
Xylene (Total)	ug/L	<1.0	150	150	158	162	105	108	70-130	3	20	
1,2-Dichlorobenzene-d4 (S)	%						99	97	70-130			
4-Bromofluorobenzene (S)	%						99	98	70-130			
Toluene-d8 (S)	%						102	104	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

QC Batch: 428334
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40252818001, 40252818002, 40252818003, 40252818004

METHOD BLANK: 2467018 Matrix: Water
Associated Lab Samples: 40252818001, 40252818002, 40252818003, 40252818004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/12/22 07:50	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	10/12/22 07:50	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/12/22 07:50	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/12/22 07:50	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/12/22 07:50	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/12/22 07:50	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/12/22 07:50	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/12/22 07:50	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/12/22 07:50	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/12/22 07:50	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/12/22 07:50	
2-Butanone (MEK)	ug/L	<6.5	25.0	10/12/22 07:50	
Acetone	ug/L	<8.6	25.0	10/12/22 07:50	
Benzene	ug/L	<0.30	1.0	10/12/22 07:50	
Bromodichloromethane	ug/L	<0.42	1.0	10/12/22 07:50	
Bromoform	ug/L	<3.8	5.0	10/12/22 07:50	
Bromomethane	ug/L	<1.2	5.0	10/12/22 07:50	
Carbon disulfide	ug/L	<1.1	5.0	10/12/22 07:50	
Carbon tetrachloride	ug/L	<0.37	1.0	10/12/22 07:50	
Chlorobenzene	ug/L	<0.86	1.0	10/12/22 07:50	
Chloroethane	ug/L	<1.4	5.0	10/12/22 07:50	
Chloroform	ug/L	<1.2	5.0	10/12/22 07:50	
Chloromethane	ug/L	<1.6	5.0	10/12/22 07:50	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/12/22 07:50	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	10/12/22 07:50	
Dibromochloromethane	ug/L	<2.6	5.0	10/12/22 07:50	
Dibromomethane	ug/L	<0.99	5.0	10/12/22 07:50	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/12/22 07:50	
Ethylbenzene	ug/L	<0.33	1.0	10/12/22 07:50	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/12/22 07:50	
Methylene Chloride	ug/L	<0.32	5.0	10/12/22 07:50	
Naphthalene	ug/L	<1.1	5.0	10/12/22 07:50	
Styrene	ug/L	<0.36	1.0	10/12/22 07:50	
Tetrachloroethene	ug/L	<0.41	1.0	10/12/22 07:50	
Tetrahydrofuran	ug/L	<2.4	25.0	10/12/22 07:50	
Toluene	ug/L	<0.29	1.0	10/12/22 07:50	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/12/22 07:50	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	10/12/22 07:50	
Trichloroethene	ug/L	<0.32	1.0	10/12/22 07:50	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/12/22 07:50	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

METHOD BLANK: 2467018 Matrix: Water
Associated Lab Samples: 40252818001, 40252818002, 40252818003, 40252818004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	<0.17	1.0	10/12/22 07:50	
Xylene (Total)	ug/L	<1.0	3.0	10/12/22 07:50	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	10/12/22 07:50	
4-Bromofluorobenzene (S)	%	97	70-130	10/12/22 07:50	
Toluene-d8 (S)	%	98	70-130	10/12/22 07:50	

LABORATORY CONTROL SAMPLE: 2467019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	57.0	114	70-134	
1,1,2-Trichloroethane	ug/L	50	54.2	108	70-130	
1,1-Dichloroethane	ug/L	50	56.3	113	70-130	
1,1-Dichloroethene	ug/L	50	50.0	100	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	44.3	89	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	50.8	102	70-130	
1,2-Dichlorobenzene	ug/L	50	51.3	103	70-130	
1,2-Dichloroethane	ug/L	50	53.7	107	70-137	
1,2-Dichloropropane	ug/L	50	57.9	116	80-121	
1,3-Dichlorobenzene	ug/L	50	50.5	101	70-130	
1,4-Dichlorobenzene	ug/L	50	53.6	107	70-130	
Benzene	ug/L	50	54.4	109	70-130	
Bromodichloromethane	ug/L	50	53.2	106	70-130	
Bromoform	ug/L	50	49.3	99	70-130	
Bromomethane	ug/L	50	43.4	87	21-147	
Carbon disulfide	ug/L	50	52.2	104	70-130	
Carbon tetrachloride	ug/L	50	57.1	114	80-146	
Chlorobenzene	ug/L	50	53.1	106	70-130	
Chloroethane	ug/L	50	53.8	108	52-165	
Chloroform	ug/L	50	54.5	109	80-123	
Chloromethane	ug/L	50	53.5	107	51-122	
cis-1,2-Dichloroethene	ug/L	50	51.9	104	70-130	
cis-1,3-Dichloropropene	ug/L	50	54.1	108	70-130	
Dibromochloromethane	ug/L	50	52.3	105	70-130	
Dichlorodifluoromethane	ug/L	50	39.9	80	25-121	
Ethylbenzene	ug/L	50	53.8	108	80-120	
Methyl-tert-butyl ether	ug/L	50	50.0	100	70-130	
Methylene Chloride	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	48.7	97	70-130	
Tetrachloroethene	ug/L	50	56.1	112	70-130	
Toluene	ug/L	50	52.5	105	80-120	
trans-1,2-Dichloroethene	ug/L	50	56.0	112	70-130	
trans-1,3-Dichloropropene	ug/L	50	48.8	98	70-130	
Trichloroethene	ug/L	50	55.7	111	70-130	
Trichlorofluoromethane	ug/L	50	51.1	102	65-160	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

LABORATORY CONTROL SAMPLE: 2467019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	59.4	119	63-134	
Xylene (Total)	ug/L	150	158	105	70-130	
1,2-Dichlorobenzene-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

QC Batch: 430575
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40254032001, 40254032002, 40254032003

METHOD BLANK: 2479608 Matrix: Water
Associated Lab Samples: 40254032001, 40254032002, 40254032003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	11/04/22 10:19	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	11/04/22 10:19	
1,1-Dichloroethane	ug/L	<0.30	1.0	11/04/22 10:19	
1,1-Dichloroethene	ug/L	<0.58	1.0	11/04/22 10:19	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	11/04/22 10:19	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	11/04/22 10:19	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	11/04/22 10:19	
1,2-Dichloroethane	ug/L	<0.29	1.0	11/04/22 10:19	
1,2-Dichloropropane	ug/L	<0.45	1.0	11/04/22 10:19	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	11/04/22 10:19	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	11/04/22 10:19	
2-Butanone (MEK)	ug/L	<6.5	25.0	11/04/22 10:19	
Acetone	ug/L	<8.6	25.0	11/04/22 10:19	
Benzene	ug/L	<0.30	1.0	11/04/22 10:19	
Bromodichloromethane	ug/L	<0.42	1.0	11/04/22 10:19	
Bromoform	ug/L	<3.8	5.0	11/04/22 10:19	
Bromomethane	ug/L	<1.2	5.0	11/04/22 10:19	
Carbon disulfide	ug/L	<1.1	5.0	11/04/22 10:19	
Carbon tetrachloride	ug/L	<0.37	1.0	11/04/22 10:19	
Chlorobenzene	ug/L	<0.86	1.0	11/04/22 10:19	
Chloroethane	ug/L	<1.4	5.0	11/04/22 10:19	
Chloroform	ug/L	<1.2	5.0	11/04/22 10:19	
Chloromethane	ug/L	<1.6	5.0	11/04/22 10:19	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	11/04/22 10:19	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	11/04/22 10:19	
Dibromochloromethane	ug/L	<2.6	5.0	11/04/22 10:19	
Dibromomethane	ug/L	<0.99	5.0	11/04/22 10:19	
Dichlorodifluoromethane	ug/L	<0.46	5.0	11/04/22 10:19	
Ethylbenzene	ug/L	<0.33	1.0	11/04/22 10:19	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	11/04/22 10:19	
Methylene Chloride	ug/L	<0.32	5.0	11/04/22 10:19	
Naphthalene	ug/L	<1.1	5.0	11/04/22 10:19	
Styrene	ug/L	<0.36	1.0	11/04/22 10:19	
Tetrachloroethene	ug/L	<0.41	1.0	11/04/22 10:19	
Tetrahydrofuran	ug/L	<2.4	25.0	11/04/22 10:19	
Toluene	ug/L	<0.29	1.0	11/04/22 10:19	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	11/04/22 10:19	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	11/04/22 10:19	
Trichloroethene	ug/L	<0.32	1.0	11/04/22 10:19	
Trichlorofluoromethane	ug/L	<0.42	1.0	11/04/22 10:19	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

METHOD BLANK: 2479608 Matrix: Water
Associated Lab Samples: 40254032001, 40254032002, 40254032003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	<0.17	1.0	11/04/22 10:19	
Xylene (Total)	ug/L	<1.0	3.0	11/04/22 10:19	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	11/04/22 10:19	
4-Bromofluorobenzene (S)	%	101	70-130	11/04/22 10:19	
Toluene-d8 (S)	%	104	70-130	11/04/22 10:19	

LABORATORY CONTROL SAMPLE: 2479609

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.5	109	70-134	
1,1,2-Trichloroethane	ug/L	50	51.1	102	70-130	
1,1-Dichloroethane	ug/L	50	52.1	104	70-130	
1,1-Dichloroethene	ug/L	50	49.6	99	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	43.3	87	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	49.1	98	70-130	
1,2-Dichlorobenzene	ug/L	50	52.4	105	70-130	
1,2-Dichloroethane	ug/L	50	53.1	106	70-137	
1,2-Dichloropropane	ug/L	50	54.1	108	80-121	
1,3-Dichlorobenzene	ug/L	50	53.2	106	70-130	
1,4-Dichlorobenzene	ug/L	50	50.1	100	70-130	
Benzene	ug/L	50	52.8	106	70-130	
Bromodichloromethane	ug/L	50	52.4	105	70-130	
Bromoform	ug/L	50	47.4	95	70-130	
Bromomethane	ug/L	50	35.0	70	21-147	
Carbon disulfide	ug/L	50	44.7	89	70-130	
Carbon tetrachloride	ug/L	50	53.5	107	80-146	
Chlorobenzene	ug/L	50	52.7	105	70-130	
Chloroethane	ug/L	50	41.7	83	52-165	
Chloroform	ug/L	50	52.9	106	80-123	
Chloromethane	ug/L	50	26.9	54	51-122	
cis-1,2-Dichloroethene	ug/L	50	49.9	100	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.7	101	70-130	
Dibromochloromethane	ug/L	50	51.6	103	70-130	
Dichlorodifluoromethane	ug/L	50	12.4	25	25-121	
Ethylbenzene	ug/L	50	58.0	116	80-120	
Methyl-tert-butyl ether	ug/L	50	49.3	99	70-130	
Methylene Chloride	ug/L	50	51.6	103	70-130	
Styrene	ug/L	50	56.2	112	70-130	
Tetrachloroethene	ug/L	50	51.5	103	70-130	
Toluene	ug/L	50	55.9	112	80-120	
trans-1,2-Dichloroethene	ug/L	50	52.5	105	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.2	92	70-130	
Trichloroethene	ug/L	50	52.4	105	70-130	
Trichlorofluoromethane	ug/L	50	48.8	98	65-160	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

LABORATORY CONTROL SAMPLE: 2479609

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	31.8	64	63-134	
Xylene (Total)	ug/L	150	168	112	70-130	
1,2-Dichlorobenzene-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2479610 2479611

Parameter	Units	40253980005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	50	50	51.7	51.7	103	103	70-134	0	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	51.1	52.9	102	106	70-130	3	20	
1,1-Dichloroethane	ug/L	0.32J	50	50	50.5	51.4	100	102	70-130	2	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	49.0	49.7	98	99	71-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	47.6	46.0	95	92	51-141	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	46.3	48.1	93	96	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	52.4	52.4	105	105	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	50.7	52.0	101	104	70-137	3	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	53.0	51.3	106	103	80-121	3	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	52.9	54.2	106	108	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	49.7	50.8	99	102	70-130	2	20	
Benzene	ug/L	<0.30	50	50	52.0	52.1	104	104	70-130	0	20	
Bromodichloromethane	ug/L	<0.42	50	50	51.6	52.3	103	105	70-130	1	20	
Bromoform	ug/L	<3.8	50	50	48.8	48.4	98	97	70-133	1	20	
Bromomethane	ug/L	<1.2	50	50	35.7	35.6	71	71	21-149	0	22	
Carbon disulfide	ug/L	<1.1	50	50	45.1	44.2	90	88	70-130	2	20	
Carbon tetrachloride	ug/L	<0.37	50	50	52.5	52.4	105	105	80-146	0	20	
Chlorobenzene	ug/L	<0.86	50	50	52.4	52.4	105	105	70-130	0	20	
Chloroethane	ug/L	<1.4	50	50	39.5	38.3	79	77	52-165	3	20	
Chloroform	ug/L	<1.2	50	50	52.2	52.2	104	104	80-123	0	20	
Chloromethane	ug/L	<1.6	50	50	24.2	23.8	48	48	42-125	2	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	50.6	49.4	101	99	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<0.36	50	50	52.0	51.6	104	103	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	52.5	51.0	105	102	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	10.8	10.2	22	20	25-121	6	20	M1
Ethylbenzene	ug/L	<0.33	50	50	56.9	57.0	114	114	80-121	0	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	49.8	50.3	100	101	70-130	1	20	
Methylene Chloride	ug/L	<0.32	50	50	51.1	50.0	102	100	70-130	2	20	
Styrene	ug/L	<0.36	50	50	55.2	54.9	110	110	70-132	1	20	
Tetrachloroethene	ug/L	<0.41	50	50	52.2	52.3	104	105	70-130	0	20	
Toluene	ug/L	<0.29	50	50	53.0	53.7	106	107	80-120	1	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	53.1	52.2	106	104	70-130	2	20	
trans-1,3-Dichloropropene	ug/L	<3.5	50	50	45.8	46.0	92	92	70-130	0	20	
Trichloroethene	ug/L	<0.32	50	50	51.1	51.9	102	104	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2479610 2479611

Parameter	Units	40253980005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichlorofluoromethane	ug/L	<0.42	50	50	46.8	45.9	94	92	65-160	2	20	
Vinyl chloride	ug/L	<0.17	50	50	31.4	29.1	63	58	60-137	8	20	M1
Xylene (Total)	ug/L	<1.0	150	150	166	164	111	110	70-130	1	20	
1,2-Dichlorobenzene-d4 (S)	%						98	101	70-130			
4-Bromofluorobenzene (S)	%						103	105	70-130			
Toluene-d8 (S)	%						102	101	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

QC Batch: 430577
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40254032004, 40254032005, 40254032006, 40254032007

METHOD BLANK: 2479619 Matrix: Water
Associated Lab Samples: 40254032004, 40254032005, 40254032006, 40254032007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	11/04/22 18:15	
1,1,2-Trichloroethane	ug/L	<0.34	5.0	11/04/22 18:15	
1,1-Dichloroethane	ug/L	<0.30	1.0	11/04/22 18:15	
1,1-Dichloroethene	ug/L	<0.58	1.0	11/04/22 18:15	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	11/04/22 18:15	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	11/04/22 18:15	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	11/04/22 18:15	
1,2-Dichloroethane	ug/L	<0.29	1.0	11/04/22 18:15	
1,2-Dichloropropane	ug/L	<0.45	1.0	11/04/22 18:15	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	11/04/22 18:15	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	11/04/22 18:15	
2-Butanone (MEK)	ug/L	<6.5	25.0	11/04/22 18:15	
4-Methyl-2-pentanone (MIBK)	ug/L	<6.0	25.0	11/04/22 18:15	
Acetone	ug/L	<8.6	25.0	11/04/22 18:15	
Benzene	ug/L	<0.30	1.0	11/04/22 18:15	
Bromodichloromethane	ug/L	<0.42	1.0	11/04/22 18:15	
Bromoform	ug/L	<3.8	5.0	11/04/22 18:15	
Bromomethane	ug/L	<1.2	5.0	11/04/22 18:15	
Carbon disulfide	ug/L	<1.1	5.0	11/04/22 18:15	
Carbon tetrachloride	ug/L	<0.37	1.0	11/04/22 18:15	
Chlorobenzene	ug/L	<0.86	1.0	11/04/22 18:15	
Chloroethane	ug/L	<1.4	5.0	11/04/22 18:15	
Chloroform	ug/L	<1.2	5.0	11/04/22 18:15	
Chloromethane	ug/L	<1.6	5.0	11/04/22 18:15	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	11/04/22 18:15	
cis-1,3-Dichloropropene	ug/L	<0.36	1.0	11/04/22 18:15	
Dibromochloromethane	ug/L	<2.6	5.0	11/04/22 18:15	
Dibromomethane	ug/L	<0.99	5.0	11/04/22 18:15	
Dichlorodifluoromethane	ug/L	<0.46	5.0	11/04/22 18:15	
Ethylbenzene	ug/L	<0.33	1.0	11/04/22 18:15	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	11/04/22 18:15	
Methylene Chloride	ug/L	<0.32	5.0	11/04/22 18:15	
Naphthalene	ug/L	<1.1	5.0	11/04/22 18:15	
Styrene	ug/L	<0.36	1.0	11/04/22 18:15	
Tetrachloroethene	ug/L	<0.41	1.0	11/04/22 18:15	
Tetrahydrofuran	ug/L	<2.4	25.0	11/04/22 18:15	
Toluene	ug/L	<0.29	1.0	11/04/22 18:15	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	11/04/22 18:15	
trans-1,3-Dichloropropene	ug/L	<3.5	5.0	11/04/22 18:15	
Trichloroethene	ug/L	<0.32	1.0	11/04/22 18:15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

METHOD BLANK: 2479619 Matrix: Water
Associated Lab Samples: 40254032004, 40254032005, 40254032006, 40254032007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	<0.42	1.0	11/04/22 18:15	
Vinyl chloride	ug/L	<0.17	1.0	11/04/22 18:15	
Xylene (Total)	ug/L	<1.0	3.0	11/04/22 18:15	
1,2-Dichlorobenzene-d4 (S)	%	107	70-130	11/04/22 18:15	
4-Bromofluorobenzene (S)	%	106	70-130	11/04/22 18:15	
Toluene-d8 (S)	%	103	70-130	11/04/22 18:15	

LABORATORY CONTROL SAMPLE: 2479620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.6	101	70-134	
1,1,2-Trichloroethane	ug/L	50	54.5	109	70-130	
1,1-Dichloroethane	ug/L	50	53.9	108	70-130	
1,1-Dichloroethene	ug/L	50	53.5	107	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	45.8	92	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	49.9	100	70-130	
1,2-Dichlorobenzene	ug/L	50	50.6	101	70-130	
1,2-Dichloroethane	ug/L	50	48.2	96	70-137	
1,2-Dichloropropane	ug/L	50	53.5	107	80-121	
1,3-Dichlorobenzene	ug/L	50	51.3	103	70-130	
1,4-Dichlorobenzene	ug/L	50	50.1	100	70-130	
Benzene	ug/L	50	52.7	105	70-130	
Bromodichloromethane	ug/L	50	51.6	103	70-130	
Bromoform	ug/L	50	45.0	90	70-130	
Bromomethane	ug/L	50	40.6	81	21-147	
Carbon disulfide	ug/L	50	56.5	113	70-130	
Carbon tetrachloride	ug/L	50	48.2	96	80-146	
Chlorobenzene	ug/L	50	52.8	106	70-130	
Chloroethane	ug/L	50	48.0	96	52-165	
Chloroform	ug/L	50	49.4	99	80-123	
Chloromethane	ug/L	50	56.9	114	51-122	
cis-1,2-Dichloroethene	ug/L	50	52.4	105	70-130	
cis-1,3-Dichloropropene	ug/L	50	50.8	102	70-130	
Dibromochloromethane	ug/L	50	46.7	93	70-130	
Dichlorodifluoromethane	ug/L	50	47.7	95	25-121	
Ethylbenzene	ug/L	50	55.1	110	80-120	
Methyl-tert-butyl ether	ug/L	50	51.1	102	70-130	
Methylene Chloride	ug/L	50	54.1	108	70-130	
Styrene	ug/L	50	49.3	99	70-130	
Tetrachloroethene	ug/L	50	46.5	93	70-130	
Toluene	ug/L	50	51.7	103	80-120	
trans-1,2-Dichloroethene	ug/L	50	52.0	104	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.5	93	70-130	
Trichloroethene	ug/L	50	49.8	100	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

LABORATORY CONTROL SAMPLE: 2479620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichlorofluoromethane	ug/L	50	53.9	108	65-160	
Vinyl chloride	ug/L	50	50.9	102	63-134	
Xylene (Total)	ug/L	150	160	107	70-130	
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			107	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2479996 2479997

Parameter	Units	40254032004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.30	500	500	509	497	102	99	70-134	2	20	
1,1,2-Trichloroethane	ug/L	<0.34	500	500	539	521	108	104	70-130	4	20	
1,1-Dichloroethane	ug/L	<0.30	500	500	527	536	105	107	70-130	2	20	
1,1-Dichloroethene	ug/L	<0.58	500	500	520	508	104	102	71-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	500	500	454	507	91	101	51-141	11	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	500	500	505	494	101	99	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.33	500	500	508	534	102	107	70-130	5	20	
1,2-Dichloroethane	ug/L	<0.29	500	500	514	516	103	103	70-137	0	20	
1,2-Dichloropropane	ug/L	<0.45	500	500	534	559	107	112	80-121	5	20	
1,3-Dichlorobenzene	ug/L	<0.35	500	500	497	540	99	108	70-130	8	20	
1,4-Dichlorobenzene	ug/L	<0.89	500	500	512	518	102	104	70-130	1	20	
Benzene	ug/L	<0.30	500	500	525	519	105	104	70-130	1	20	
Bromodichloromethane	ug/L	<0.42	500	500	528	515	106	103	70-130	2	20	
Bromoform	ug/L	<3.8	500	500	466	456	93	91	70-133	2	20	
Bromomethane	ug/L	<1.2	500	500	414	458	83	92	21-149	10	22	
Carbon disulfide	ug/L	<1.1	500	500	527	533	105	107	70-130	1	20	
Carbon tetrachloride	ug/L	<0.37	500	500	493	497	99	99	80-146	1	20	
Chlorobenzene	ug/L	<0.86	500	500	523	529	105	106	70-130	1	20	
Chloroethane	ug/L	<1.4	500	500	537	524	107	105	52-165	2	20	
Chloroform	ug/L	<1.2	500	500	484	499	97	100	80-123	3	20	
Chloromethane	ug/L	<1.6	500	500	537	556	107	111	42-125	3	20	
cis-1,2-Dichloroethene	ug/L	<0.47	500	500	510	505	102	101	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<0.36	500	500	499	481	100	96	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	500	500	460	469	92	94	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.46	500	500	457	479	91	96	25-121	5	20	
Ethylbenzene	ug/L	<0.33	500	500	556	551	111	110	80-121	1	20	
Methyl-tert-butyl ether	ug/L	<1.1	500	500	517	503	103	101	70-130	3	20	
Methylene Chloride	ug/L	<0.32	500	500	540	545	108	109	70-130	1	20	
Styrene	ug/L	<0.36	500	500	442	443	88	89	70-132	0	20	
Tetrachloroethene	ug/L	<0.41	500	500	471	476	94	95	70-130	1	20	
Toluene	ug/L	<0.29	500	500	527	527	105	105	80-120	0	20	
trans-1,2-Dichloroethene	ug/L	<0.53	500	500	545	531	109	106	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	<3.5	500	500	470	468	94	94	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2479996 2479997

Parameter	Units	40254032004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichloroethene	ug/L	<0.32	500	500	520	524	104	105	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.42	500	500	546	534	109	107	65-160	2	20	
Vinyl chloride	ug/L	<0.17	500	500	500	498	100	100	60-137	0	20	
Xylene (Total)	ug/L	<1.0	1500	1500	1590	1580	106	105	70-130	1	20	
1,2-Dichlorobenzene-d4 (S)	%						105	102	70-130			
4-Bromofluorobenzene (S)	%						113	112	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

QC Batch: 428924
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions,Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40252778001

METHOD BLANK: 2470483 Matrix: Water
Associated Lab Samples: 40252778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	10/17/22 21:26	

LABORATORY CONTROL SAMPLE: 2470484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.5	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2470485 2470486

Parameter	Units	40252774005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	9.0	20	20	30.9	31.1	110	110	90-110	1	15	

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REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

QC Batch: 428941 — Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 — Analysis Description: 300.0 IC Anions,Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40252818001, 40252818002, 40252818003, 40252818004

METHOD BLANK: 2470555 — Matrix: Water
Associated Lab Samples: 40252818001, 40252818002, 40252818003, 40252818004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	10/18/22 13:22	

LABORATORY CONTROL SAMPLE: 2470556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.4	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2470557 2470558

Parameter	Units	40252796001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	405	400	400	804	801	100	99	90-110	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2470559 2470560

Parameter	Units	40252826003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.0	20	20	24.0	23.9	110	110	90-110	0	15	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

QC Batch: 431171 — Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 — Analysis Description: 300.0 IC Anions,Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40254032001, 40254032002, 40254032003, 40254032004, 40254032005, 40254032006

METHOD BLANK: 2482885 — Matrix: Water
Associated Lab Samples: 40254032001, 40254032002, 40254032003, 40254032004, 40254032005, 40254032006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	11/12/22 17:09	

LABORATORY CONTROL SAMPLE: 2482886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2482887 2482888

Parameter	Units	40254002001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	102	400	400	525	525	106	106	90-110	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2482889 2482890

Parameter	Units	40254041002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	22.4	20	20	42.5	42.2	101	99	90-110	1	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

QC Batch: 428663
QC Batch Method: EPA 310.2
Analysis Method: EPA 310.2
Analysis Description: 310.2 Alkalinity, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40252778001

METHOD BLANK: 2468731 Matrix: Water
Associated Lab Samples: 40252778001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<7.4	25.0	10/14/22 10:31	

LABORATORY CONTROL SAMPLE: 2468732

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	102	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2468733 2468734

Parameter	Units	40252761004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	367	200	200	561	559	97	96	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2468735 2468736

Parameter	Units	40252790001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	927	500	500	1420	1420	99	99	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

QC Batch: 428664
QC Batch Method: EPA 310.2
Analysis Method: EPA 310.2
Analysis Description: 310.2 Alkalinity, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40252818001, 40252818002, 40252818003, 40252818004

METHOD BLANK: 2468737 Matrix: Water
Associated Lab Samples: 40252818001, 40252818002, 40252818003, 40252818004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<7.4	25.0	10/14/22 11:03	

LABORATORY CONTROL SAMPLE: 2468738

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	102	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2468739 2468740

Parameter	Units	40252816001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	390	200	200	586	580	98	95	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2468741 2468742

Parameter	Units	40252848005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	556	200	200	747	744	96	94	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

QC Batch: 430622 — Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 — Analysis Description: 310.2 Alkalinity, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40254032001, 40254032002, 40254032003, 40254032004, 40254032005, 40254032006

METHOD BLANK: 2479972 — Matrix: Water
Associated Lab Samples: 40254032001, 40254032002, 40254032003, 40254032004, 40254032005, 40254032006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<7.4	25.0	11/04/22 11:30	

LABORATORY CONTROL SAMPLE: 2479973

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	107	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2479974 2479975

Parameter	Units	40254032006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	331	200	200	549	547	109	108	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2479976 2479977

Parameter	Units	40254041006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3, Dissolved	mg/L	477	200	200	672	668	98	96	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALIFIERS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
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
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40252778001	**MW-1B**	EPA 6010D	428624		
40252818001	**P-401D**	EPA 6010D	428655		
40252818002	**P-402E**	EPA 6010D	428655		
40252818003	**P-430D**	EPA 6010D	428655		
40252818004	**P-422B**	EPA 6010D	428655		
40254032001	**P-423D**	EPA 6010D	430688		
40254032002	**P-424D**	EPA 6010D	430688		
40254032003	**P-424SS**	EPA 6010D	430688		
40254032004	**P-426D**	EPA 6010D	430688		
40254032005	**P-426SS**	EPA 6010D	430688		
40254032006	**P-429SS**	EPA 6010D	430688		
40252778001	**MW-1B**	EPA 8260	428225		
40252818001	**P-401D**	EPA 8260	428334		
40252818002	**P-402E**	EPA 8260	428334		
40252818003	**P-430D**	EPA 8260	428334		
40252818004	**P-422B**	EPA 8260	428334		
40254032001	**P-423D**	EPA 8260	430575		
40254032002	**P-424D**	EPA 8260	430575		
40254032003	**P-424SS**	EPA 8260	430575		
40254032004	**P-426D**	EPA 8260	430577		
40254032005	**P-426SS**	EPA 8260	430577		
40254032006	**P-429SS**	EPA 8260	430577		
40254032007	**TRIP BLANK**	EPA 8260	430577		
40252778001	**MW-1B**				
40252818001	**P-401D**				
40252818002	**P-402E**				
40252818003	**P-430D**				
40252818004	**P-422B**				
40254032001	**P-423D**				
40254032002	**P-424D**				
40254032003	**P-424SS**				
40254032004	**P-426D**				
40254032005	**P-426SS**				
40254032006	**P-429SS**				
40252778001	**MW-1B**	EPA 300.0	428924		
40252818001	**P-401D**	EPA 300.0	428941		
40252818002	**P-402E**	EPA 300.0	428941		
40252818003	**P-430D**	EPA 300.0	428941		
40252818004	**P-422B**	EPA 300.0	428941		
40254032001	**P-423D**	EPA 300.0	431171		
40254032002	**P-424D**	EPA 300.0	431171		
40254032003	**P-424SS**	EPA 300.0	431171		
40254032004	**P-426D**	EPA 300.0	431171		
40254032005	**P-426SS**	EPA 300.0	431171		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40252778

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40254032006	**P-429SS**	EPA 300.0	431171		
40252778001	**MW-1B**	EPA 310.2	428663		
40252818001	**P-401D**	EPA 310.2	428664		
40252818002	**P-402E**	EPA 310.2	428664		
40252818003	**P-430D**	EPA 310.2	428664		
40252818004	**P-422B**	EPA 310.2	428664		
40254032001	**P-423D**	EPA 310.2	430622		
40254032002	**P-424D**	EPA 310.2	430622		
40254032003	**P-424SS**	EPA 310.2	430622		
40254032004	**P-426D**	EPA 310.2	430622		
40254032005	**P-426SS**	EPA 310.2	430622		
40254032006	**P-429SS**	EPA 310.2	430622		

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.

40252778

Page: of

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
GFL Glacier Ridge	Report To: Kari Rabideau	Attention: Kari Rabideau
N7296 Hwy V	Copy To: Frank Perugini - ESC, ESC Staff, Sherren Clark - SCS Eng	Company Name: GFL Glacier Ridge
Horicon, WI 53032		Address: N7296 Hwy V, Horicon, WI 53032
Email To: Kari Rabideau	Purchase Order No.: na	Pace Quote Reference: na
Phone: na Fax: na	Project Name: LGRL Investigation Wells	Pace Project Manager: Cindy Varga
Requested Due Date/TAT:	Project Number: na	Pace Profile #: 4172 line 36

REGULATORY AGENCY

__ NPDES _X_ GROUND WATER __ DRINKING WATER

__ UST __ RCRA OTHER_____

SITE LOCATION __ GA __ IL __ IN __ MI __ NC __ OH __ SC _X_ WI OTHER___

Section D Required Client Information

Valid Matrix Codes

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 (One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE (2022)	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Nitric	HCL	Unpreserved	Filtered (Y/N) N	Y	Y	Requested Analysis: 8260 NR 507 VOCs	diss chloride, alkalinity	diss 6010 - hard	Residual Chlorine (Y/N)	Pace Project Number Lab I.D.
1	MW-1B	WT	G	—	—	10/6	1020	13.1	5	1	3	1				X	X	X		001
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	10/6	1600			
WaltCo	10/7	0845	Chet Ushuke / Pace	10/7	0845

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
0.2	N	Y	Y
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Larsen Birdsong

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 10/06/22

Sample Preservation Receipt Form

Client Name: GFL Glades Ridge Project # 40252778

All containers needing preservation have been checked and noted below: ☐Yes ☐No ☒N/A Initial when completed: Date/ Time:

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

	Glass							Plastic						Vials						Jars				General								
Pace Lab #	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001									↓		↓						3																	2.5 / 5
002																																		2.5 / 5
003																																		2.5 / 5
004																																		2.5 / 5
005																																		2.5 / 5
006																																		2.5 / 5
007																																		2.5 / 5
008																																		2.5 / 5
009																																		2.5 / 5
010																																		2.5 / 5
011																																		2.5 / 5
012																																		2.5 / 5
013																																		2.5 / 5
014																																		2.5 / 5
015																																		2.5 / 5
016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:_____ Headspace in VOA Vials (>6mm): ☐Yes ☒No ☐N/A *If yes look in headspace column

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4
BP2Z	500 mL plastic NaOH + Zn

VG9C	40 mL clear ascorbic w/ HCl
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN 1	
GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40252778

40252778

Client Name: GFL Glacier Ridge

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☒ Waltco
☐ Client ☐ Pace Other: _____

Tracking #: 335S147-1/2

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used SR - 122 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0.0 /Corr: 0.2

Temp Blank Present: ☒ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
Date: 10/7/22 /Initials: CRT
Labeled By Initials: SC

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD:	☐Yes ☐No ☒N/A	8.
Correct Containers Used:	☒Yes ☐No	9.
Correct Type: Pace Green Bay, Pace IR, Non-Pace		
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☐Yes ☒No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

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CHAIN-OF-CUSTODY / Analytical Request Document

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

40252818

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
GFL Glacier Ridge	Report To: Kari Rabideau	Attention: Karl Rabideau
N7296 Hwy V	Copy To: Frank Perugini - ESC, ESC Staff, Sherren Clark - SCS Eng	Company Name: GFL Glacier Ridge
Horicon, WI 53032		Address: N7296 Hwy V, Horicon, WI 53032
Email To: Kari Rabideau	Purchase Order No.: na	Pace Quote Reference: na
Phone: na Fax: na	Project Name: LGRL Investigation Wells	Pace Project Manager: Cindy Varga
Requested Due Date/TAT:	Project Number: na	Pace Profile #: 4172 line 36

REGULATORY AGENCY

__NPDES _X_GROUND WATER __DRINKING WATER

__UST __RCRA OTHER_____

SITE LOCATION __GA __IL __IN __MI __NC __OH __SC _X_WI OTHER___

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes

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	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives Nitric	Preservatives HCL	Preservatives Unpreserved	Requested Analysis: 8260 NR 507 VOCs	Requested Analysis: diss chloride, alkalinity	Requested Analysis: diss 60010 - hard	Residual Chlorine (Y/N)	Pace Project Number Lab I.D.
1	P-401D	WT	G	—	—	10/7	1255	17.6	5	1	3	1	X	X	X		001
2	P-402E	"	"	—	—	"	1220	13.4	5	1	3	1	X	X	X		002
3	P-430D	"	"	—	—	"	1250	11.5	5	1	3	1	X	X	X		003
4	P-422B	WT	G	—	—	10/7	1240	10.8	5	1	3	1	X	X	X		004
5	Trip Blank	—	—	—	—	—	—	—	2		2		X				~~005~~ TP 10/10/22
6																	
7																	
8																	
9																	
10																	
11																	
12																	

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
Scott Breimon	10/7/22	1700					Y/N	Y/N	Y/N
WATCO	10/8/22	0815	Thompson	10/8/22	0950	2.5	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Scott Breimon

SIGNATURE of SAMPLER: Scott Breimon DATE Signed (MM / DD / YY): 10/7/22

Sample Preservation Receipt Form

Client Name: Glacier Ridge
Project # 40252816

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A
Lab Lot# of pH paper: 10031111 Lab Std #ID of preservation (if pH adjusted):
Initial when completed: TP Date/ Time:

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	Vials: VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: SP5T	ZPLC	GN 1	GN 2	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001									1		1						3																X		2.5 / 5
002									1		1						3																X		2.5 / 5
003									1		1						3																X		2.5 / 5
004									1		1						3																X		2.5 / 5
005																																			2.5 / 5
006																																			2.5 / 5
007																																			2.5 / 5
008																																			2.5 / 5
009																																			2.5 / 5
010																																			2.5 / 5
011																																			2.5 / 5
012																																			2.5 / 5
013																																			2.5 / 5
014																																			2.5 / 5
015																																			2.5 / 5
016																																			2.5 / 5
017																																			2.5 / 5
018																																			2.5 / 5
019																																			2.5 / 5
020																																			2.5 / 5

TP 10/18/22

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☐Yes ☑No ☐N/A ***If yes look in headspace column**

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4
BP2Z	500 mL plastic NaOH + Zn

VG9C	40 mL clear ascorbic w/ HCl
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN 1	
GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40252818

40252818

Client Name: Glacier Ridge

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☑ Waltco ☐ Client ☐ Pace Other:

Tracking #: 335602371

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - 190 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 2 /Corr: 2.5

Temp Blank Present: ☑ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
Date: 10/18/22 /Initials: TP

Labeled By Initials: MVS

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
Correct Type: Pace Green Bay, Pace IR, Non-Pace		
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☑No ☐N/A	13. not received in Shipment
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		TP 10/18/22

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

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CHAIN-OF-CUSTODY / Analytical Request Document

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

L1025 4032

Page: 1 of 1

Section A **Required** Client Information:	Section B **Required** Project Information:	Section C Invoice Information:
GFL Glacier Ridge	Report To: Kari Rabideau	Attention: Kari Rabideau
N7296 Hwy V	Copy To: Frank Perugini - ESC, ESC Staff, Sherren Clark - SCS Eng	Company Name: GFL Glacier Ridge
Horicon, WI 53032		Address: N7296 Hwy V, Horicon, WI 53032
Email To: Kari Rabideau	Purchase Order No.: na	Pace Quote Reference: na
Phone: na Fax: na	Project Name: LGRL Investigation Wells	Pace Project Manager: Cindy Varga
Requested Due Date/TAT:	Project Number: na	Pace Profile #: 4172 line 36

REGULATORY AGENCY

__NPDES _X_GROUND WATER __DRINKING WATER

__UST __RCRA OTHER_____

SITE LOCATION: __GA __IL __IN __MI __NC __OH __SC _X_WI OTHER___

Section D **Required** Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

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	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Nitric	Preservatives: HCL	Preservatives: Unpreserved	Requested Analysis: 8260 NR 507 VOCs	Requested Analysis: diss chloride, alkalinity	Requested Analysis: diss 6010 - hard	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D.
1	P-423D	WT	G	—	—	10/31	1140	M.8	5	1	3	1	X	X	X		001
2	P-424D						1220	15.6	5	1	3	1	X	X	X		002
3	P-425S						1425	M.8	5	1	3	1	X	X	X		003
4	P-426D						1505		5	1	3	1	X	X	X		004
5	P-426SS		N				1610		5	1	3	1	X	X	X		005
6	P-429S	WT	G			10/31	1100	M.6	5	1	3	1	X	X	X		006
7	Trip Blank	—	—	—	—	—	—	—	2		2		X				007
8																	
9																	
10																	
11																	
12																	

Filtered (Y/N): N Y Y

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	10/31/22	1700			
[signature]	11/1/22	0840	[signature]	11/1/22	0840

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
3	(N)	(Y)	(N)
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Scott Freimark

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 10/31/22

Sample Preservation Receipt Form

Client Name: GFL Glacier Ridge Project # 40254032

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A Initial when completed: 86 Date/ Time:

Lab Lot# of pH paper: WD30722 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass: AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	Plastic: BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	Vials: VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	Jars: JGFU	JG9U	WGFU	WPFU	General: SP5T	ZPLC	GN 1	GN 2	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001									1		1						2																	2.5 / 5
002									1		1						2																	2.5 / 5
003									1		1						2																	2.5 / 5
004									1		1						2																	2.5 / 5
005									1		1						2																	2.5 / 5
006									1		1						2																	2.5 / 5
007																	2												1					2.5 / 5
008																																		2.5 / 5
009																																		2.5 / 5
010																																		2.5 / 5
011											1/1/22																							2.5 / 5
012																																		2.5 / 5
013																																		2.5 / 5
014																																		2.5 / 5
015																																		2.5 / 5
016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm): ☑Yes ☐No ☐N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Page 1 of 2

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: GFL Glacier Ridge

WO# : 40254032

40254032

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☑ Waltco
☐ Client ☐ Pace Other:

Tracking #: 3379937

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - 9 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 2.5 /Corr: 3

Temp Blank Present: ☑ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
Date: 11/4/22 Initials: SG
Labeled By Initials: NK

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
Correct Type: Pace Green Bay, Pace IR, Non-Pace		
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☑Yes ☐No ☐N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐
Person Contacted: Date/Time:
Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

Page 2 of 2