SCS ENGINEERS

Transmittal

Madison, WI

PROJECT:	GFL - LGRL GW Investigation, WI 25224008.02	DATE:	5/15/2024
SUBJECT:	Land and Gas Reclamation Landfill 2023 Annual Report	TRANSMITTAL ID:	00002
PURPOSE:	For your use	VIA:	Info Exchange

FROM

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TO

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REMARKS: The 2023 Annual Report for Land and Gas Reclamation Landfill is attached. Hard copies are being mailed to Trevor Banister at DNR and Jake Margelofsky at the site.

DESCRIPTION OF CONTENTS

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1	5/15/2024	240515_Bannister_2023 Annual Report_LGRL.pdf	

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Transmittal

DATE: 5/15/2024
TRANSMITTAL ID: 00002

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May 15, 2024
File No. 25224008.02

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

Subject: 2023 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 2023 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 5-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 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 5-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 5-Year Review Report recommendations in a letter to WDNR dated April 15, 2020, including suggested clarifications and corrections to the 5-Year Review Report. The WDNR report and response letter provide additional site background information. WDNR and U.S. EPA are preparing the Sixth 5-Year Review Report in 2024.

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 VOC impacts north of LGRL.

2023 INVESTIGATION ACTIVITIES

Submittals and correspondence related to the LGRL investigation and monitoring in 2023 included the following:

Date	Preparer	Description
May 26, 2023	SCS	Water Supply Well Monitoring Results – April 2023
November 16, 2023	SCS	Water Supply Well Monitoring Results – October 2023
May 31, 2023	SCS	2022 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 WMM 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).

2023 MONITORING PROGRAMS

During 2023, 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 2020 to 2023 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 2020 through 2023 for selected GRL monitoring wells in the shallow aquifer are provided in **Attachment B**.

For the bedrock groundwater investigation, the monitoring program during 2023 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

Bedrock well P-429SS was not sampled in April 2023 because of a pump malfunction. ESC collected a sample from this well in June 2023.

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, June, and October 2023 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 2023 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 in the deeper sandstone, and to measure the vertical gradient between the dolomite and the sandstone.

ESC collected two complete rounds of water level measurements from the bedrock monitoring wells in April and October 2023. 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 2023 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 apparent horizontal hydraulic gradient between LGRL (P-401D) and downgradient well P-424D was 0.0007 to the east-northeast in April and approximately 0.0006 to the east-northeast in October 2023. The horizontal hydraulic gradient in the sandstone was 0.004 to the northeast in April 2023 and 0.007 to the east-northeast in October 2023.

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 35 to 40 feet higher than those measured on the east side of LGRL.

There appears to be relatively little head difference between the dolomite and upper sandstone aquifers downgradient from LGRL on the All-Line property. The head in the dolomite was slightly higher than the sandstone during both measurement events in 2023, 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 to 0.004 in April and October 2023. 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 larger than at the P-424 nest. The vertical gradient in the P-426 nest, with a vertical separation of screen midpoints of approximately 214 feet, was 0.013 in both April and October 2023, with higher head in the dolomite than in the sandstone.

MONITORING WELL SAMPLING AND ANALYSIS

Shallow Monitoring Wells

During 2023, 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 2022 Annual Report was also completed in 2023. Supplemental VOC sampling was initially

recommended for select wells in the 2019 Annual Report and was previously completed for MW-7R, MW-201, MW-201A, and MW-201B. Monitoring wells MW-6R and W-38 were also recommended for supplemental VOC sampling but had not yet been sampled for VOCs due to a variety of field issues. ESC sampled MW-6R for VOCs in June of 2023. ESC attempted to sample W-38 in June of 2023, but was unable to collect a sample and noted that sand had apparently entered well W-38 and that an additional effort to repair the well would be made in 2024.

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 2023, 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 2023 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.

  - Vinyl chloride concentrations at deep piezometer MW-1B have gradually increased but are still very low in comparison to vinyl chloride concentrations at MW-1AR.

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

  - Vinyl chloride concentrations detected at W-3AR in 2023 were consistent with the historical decreasing trend. Concentrations at W-3R in 2022 and 2023 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 2007and are approaching 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 2023, 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 2023 monitoring well sampling include the following:

- The highest CVOC concentrations detected in the bedrock aquifer in 2023 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. Vinyl chloride concentrations at P-402E increased in 2023 to the highest concentrations observed since 2014, but remained below the levels reported in 2010 to 2012.

  - 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 2023 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 2023 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 Oechsner farm property, has detectable concentrations of several CVOCs. DCE and vinyl chloride concentrations exceeded the ES in the April and October 2023 samples collected from this well. Vinyl chloride concentrations at this well declined slightly from their peak values in April 2018 before rising again to a new peak concentration in the October 2023.

- 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. The typical detected cis-1,2-DCE concentrations in samples from P-426SS fall between those detected in water supply wells PW-32 (less than 1 microgram per liter [µg/L]) and PW-28 (around 4 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 appeared 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 the April and October 2023 monitoring events. The trans-1,2-DCE concentrations are less than the PAL. The detected cis-1,2-DCE concentrations of 13.2 and 14.8 µg/L exceed the PAL and are approximately twice 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 2023, consistent with historical results:

  - Monitoring well P-426D, installed to define the northern limit of the CVOC plume in the upper dolomite.

  - 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**. For wells with detected VOCs, 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 7 years.
  - Vinyl chloride was previously detected in samples from PW-21RR (**Figure G7**), but was not detected in the December 2022 sampling event or in any of the monthly sampling events in 2023. Prior to December 2022, vinyl chloride concentrations in this well typically exceeded the NR 140 ES, but had 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 gradual 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. The 2023 concentrations were estimated values below the laboratory limit of quantitation.
- Trace concentrations of DCE have also been detected in some of the samples collected from PW-32 (J. Oechsner well). In 2023, DCE was not detected in April and was detected below the laboratory limit of quantitation in October.
- None of the other six water supply wells that were sampled in 2023 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 2022 ANNUAL REPORT

Monitoring recommendations from the 2022 Annual Report included continuation of 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

Additional recommendations and the current status include:

- *Complete voluntary supplemental sampling for VOCs, including sampling LGRL well MW-6R, evaluating the obstruction in GRL well W-38, and sampling W-38 if possible.*
  - Completed: This voluntary sampling has been completed for all wells except monitoring well W-38. ESC sampled MW-6R in 2023 and attempted to sample W-38; however, W-38 was found to be partially filled with sand and requires repairs or replacement.

- *Improve access to the MW-210 well nest.*
  - Completed: In 2023, GRL constructed an earthen walkway to the MW-210 well nest to provide access for sampling, consistent with the approach approved by WDNR.

CONCLUSIONS AND RECOMMENDATIONS

Conclusions

Conclusions related to the 2023 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. Concentrations appeared to level off until the October 2023 sampling event, when concentrations rose again. This well nest is located approximately 1,500 feet from the downgradient property line.

- An attempt to further define the downgradient limits of the shallow plume through voluntary sampling of well W-38 was unsuccessful because the well is damaged.

Conclusions related to the 2023 bedrock groundwater investigation activities include the following:

- Groundwater flow direction in the bedrock aquifer in 2023 was to the east-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 former Andrew Oechsner property (now owned by GRL).

- 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 GRL 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 2024, 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.

For the shallow aquifer, groundwater monitoring will continue in accordance with the monitoring program approved for LGRL by the WDNR Waste and Materials Management Program. We also recommend additional evaluation of the potential repair or replacement of W-38 to provide an additional monitoring point downgradient from the MW-214 nest. A replacement well could potentially be installed in the same general location as W-38 or at an alternative downgradient location. Access for well installation or repair in this area of the site is difficult due to the wetlands, railroad tracks, and property limits, as well as wetland restoration activities that have increased shallow groundwater levels since W-38 was installed. The evaluation of potential downgradient monitoring locations and recommended approach will be included in the 2024 annual update report.

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 2024 will be submitted by April 30, 2025.

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
Senior Hydrogeologist
SCS Engineers

RM/AJR/EO/SCC

cc: Jake Margelofsky, Glacier Ridge Landfill

cc via email: Alicia Zewicki, WDNR
Mark Peters, WDNR
Tim Curry, GFL Environmental
Kari Rabideau, GFL Environmental
Lonn Walter, Glacier Ridge Landfill
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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: 2020-2023
Attachment B – Selected GRL Solid Waste Program Monitoring Results: 2020-2023
Attachment C – Investigation Laboratory Reports (April, June, and October 2023)

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Tables

Table 1. Water Level Summary - Bedrock Wells
Land and Gas Reclamation Landfill / File No. 25224008.02

	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
April 21 and 24, 2023	853.36	853.28	851.34				852.21	851.47	851.65	848.84	846.14	891.59
October 30-31, 2023	848.45	848.48	847.09				847.35	846.68	847.00	844.20	835.44	883.74
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: 2/26/2024
Checked by: AJR Date: 3/1/2024

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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	4/24/2023	Pace	**19.6**	**360**	**351**	<1.4	<1.6	<0.30	<0.58	**1.1**	<0.53	<0.41	<0.32	<0.17	ND	
(cont.)	10/30/2023	Pace	**19.2**	**354**	**319**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
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	

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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	4/6/2018	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
(cont.)	(DUP)														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	
	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	
	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	
	4/24/2023	Pace	**49.2**	**397**	**473**	**4.9** J1	<4.1	<0.74	<1.5	**206**	**4.8**	<1.0	<0.80	**37.6**	ND	
	10/30/2023	Pace	**50.2**	**382**	**434**	**3.6** J1	<4.1	<0.74	<1.5	**214**	**5.5**	<1.0	<0.80	**39.6**	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	

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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	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
(cont.)	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
	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
	4/21/2023	Pace	**46.8**	**373**	**522**	<1.4	<1.6	<0.30	<0.58	**45.3**	**1.9**	<0.41	**0.73** J1	**0.80** J1	ND
	10/31/2023	Pace	**30.5**	**354**	**410**	**1.9** J1	<1.6	**0.40** J1	<0.58	**62.8**	**1.6**	<0.41	**0.70** J1	**3.6**	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

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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	4/6/2018	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
(cont.)	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	
	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
	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	
	4/21/2023	Pace	**37.6**	**385**	**493**	**1.4** J1	<1.6	<0.30	<0.58	**75.7**	**2.3**	<0.41	**1.4**	**4.5**	ND	
	10/30/2023	Pace	**36.3**	**373**	**430**	**2.2** J1	<1.6	**0.59** J1	<0.58	**80.9**	**2.1**	<0.41	**1.1**	**5.6**	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	

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P-424SS	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
(cont.)	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	
	4/21/2023	Pace	**0.88** J1	**322**	**345**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
	10/30/2023	Pace	**0.99** J1	**316**	**302**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
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	

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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	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
(cont.)	4/21/2023	Pace	**48.0**	**380**	**531**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/31/2023	Pace	**20.3**	**345**	**399**	<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
	4/21/2023	Pace	**28.5**	**373**	**504**	<1.4	<1.6	<0.30	<0.58	**1.9**	<0.53	<0.41	<0.32	<0.17	ND
	10/31/2023	Pace	**31.2**	**357**	**446**	<1.4	<1.6	<0.30	<0.58	**2**	<0.53	<0.41	<0.32	<0.17	ND
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
	6/22/2023	Pace	**1.6** J1	**324**	**346**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/31/2023	Pace	**1.9** J1	**319**	**323**	<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

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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-430D	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	
(cont.)	4/21/2023	Pace	**22.1**	**361** M0	**447**	<1.4	<1.6	<0.30	<0.58	**13.2**	**0.66** J1	<0.41	<0.32	<0.17	ND	
	10/30/2023	Pace	**21.7**	**358**	**387**	<1.4	<1.6	<0.30	<0.58	**14.8**	**0.87** J1	<0.41	<0.32	<0.17	ND	
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	

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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.)	4/25/2018	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	
	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	
	4/21/2023	Pace	--	--	--	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
	6/22/2023	Pace	--	--	--	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND	
	10/30/2023	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 Acetone Carbon Disulfide Chloroform Methylene Chloride Tetrahydrofuran Toluene Xylenes	75 9,000 1,000 6 5 50 800 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 Acetone Carbon Disulfide Chloroform Methylene Chloride Tetrahydrofuran Toluene Xylenes	15 1,800 200 0.6 0.5 10 160 400

Table 2. LGRL VOC Investigation Bedrock Well Sample Results - Through October 2023
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: AJR Date: 3/1/2024
Checked by: RM Date: 3/4/2024

Table 3. LGRL VOC Investigation Deep Unconsolidated Well Sample Results - Through October 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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	
	4/6/2023	Pace	**132**	**197**	**380**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	**12.3**	ND	
	10/9/2023	Pace	**213**	**246**	**374**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	**10.7**	ND	

Table 3. LGRL VOC Investigation Deep Unconsolidated Well Sample Results - Through October 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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
	4/24/2023	Pace	**10.2**	**227**	**186**	<1.4	<1.6	<0.30	<0.58	<0.47	<0.53	<0.41	<0.32	<0.17	ND
	10/9/2023	Pace	**13.9** B	**208**	**170**	<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 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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 Carbon Disulfide Xylenes	9000 1,000 2,000
NR 140 Preventive Action Limit			125	NS	NS	80	3	85	0.7	7	20	0.5	0.5	0.02	Acetone Carbon Disulfide Xylenes	1,800 200 400

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.
B = Analyte was detected in the associated method blank.

Created by: MDB Date: 6/12/2019
Last revision by: AJR Date: 3/1/2024
Checked by: RM Date: 3/4/2024

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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	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
		10/1/2013	Pace	**14.6**	**349**	<0.22	<0.40	<0.20	<0.23	**16.5**	**0.47** J	<0.19	<0.18	<0.19	ND
		11/7/2013	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
		12/9/2013	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	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 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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	11/20/2014	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

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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	11/1/2017	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
		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

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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	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	
		1/23/2023	Pace	--	--	<0.35	<0.15	<0.25	<0.36	**18.8**	**0.37** J1	<0.17	<0.24	<0.16	ND	
		2/13/2023	Pace	--	--	<0.35	<0.15	<0.25	<0.36	**19.7**	**0.42** J1	<0.17	<0.24	<0.16	ND	
		3/15/2023	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**21.6**	<0.32	<0.094	<0.17	<0.087	Bromomethane	**0.71** J1
		4/25/2023	Pace	**18**	**352**	<0.25	<0.45	<0.23	<0.41	**17.6**	<0.37	<0.23	<0.24	<0.16	ND	
		5/11/2023	Pace	--	--	<0.38	<0.45	<0.27	<0.28	**18.7**	<0.38	<0.22	<0.34	<0.19	ND	
		6/2/2023	Pace	--	--	<0.38	<0.45	<0.27	<0.28	**20.2**	<0.38	<0.22	<0.34	<0.19	ND	
		7/10/2023	Pace	--	--	<0.25	<0.45	<0.23	<0.41	**18**	<0.37	<0.23	<0.24	<0.16	ND	
		8/17/2023	Pace	--	**337**	<0.25	<0.45	<0.23	<0.41	**17**	<0.37	<0.23	<0.24	<0.16	Bromomethane	**2.0** J
		9/14/2023	Pace	--	--	<0.38	<0.45	<0.27	<0.28	**23.2**	**0.39** J1	<0.22	<0.34	<0.19	ND	
		10/17/2023	Pace	**17.5**	**362**	<0.38	<0.45	<0.27	<0.28	**24.1**	<0.38	<0.22	<0.34	<0.19	ND	
		11/3/2023	Pace	--	--	<0.38	<0.45	<0.27	<0.28	**20.3**	<0.38	<0.22	<0.34	<0.19	ND	
		12/20/2023	Pace	--	--	<0.38	<0.45	<0.27	<0.28	**19.8**	<0.38	<0.22	<0.34	<0.19	ND	

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PW-21RR After Treatment System	A. Oechsner N7548 Hwy. 67 Mayville	6/27/2013	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
		7/29/2013	Pace	--	--	<0.50	<0.50	<0.25	<0.24	**1.4**	<0.21	<0.25	<0.12	<0.20	ND
		8/26/2013	Pace	--	--	<0.22	<0.40	<0.20	<0.23	**2.3**	<0.20	<0.19	<0.18	<0.19	ND
		9/12/2013	Pace	--	--	<0.22	<0.40	<0.20	<0.23	**2.1**	<0.20	<0.19	<0.18	<0.19	ND
		10/1/2013	Pace	--	--	<0.22	<0.40	<0.20	<0.23	**2.4**	<0.20	<0.19	<0.18	<0.19	ND
		11/7/2013	Pace	--	--	<0.22	<0.40	<0.20	<0.23	**1.2**	<0.20	<0.19	<0.18	<0.19	Methylene Chloride **0.46** J
		12/9/2013	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
		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

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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	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
		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

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Land and Gas Reclamation Landfill / File No. 25224008.02
(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	12/6/2019	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
		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
		1/23/2023	Pace	--	--	<0.35	<0.15	<0.25	<0.36	**2.0**	<0.31	<0.17	<0.24	<0.16	Acetone **1.8** J1
		2/13/2023	Pace	--	--	<0.35	<0.15	<0.25	<0.36	**2.2**	<0.31	<0.17	<0.24	<0.16	ND

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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 After Treatment System (cont.)	A. Oechsner N7548 Hwy. 67 Mayville	3/15/2023	Pace	--	--	<0.17	<0.10	<0.15	<0.23	**2.5**	<0.32	<0.094	<0.17	<0.087	ND
		4/25/2023	Pace	--	--	<0.25	<0.45	<0.23	<0.41	**1.5**	<0.37	<0.23	<0.24	<0.16	Acetone **3.3** J1
		5/11/2023	Pace	--	--	<0.38	<0.45	<0.27	<0.28	**1.9**	<0.38	<0.22	<0.34	<0.19	ND
		6/2/2023	Pace	--	--	<0.38	<0.45	<0.27	<0.28	**3.1**	<0.38	<0.22	<0.34	<0.19	Acetone **3.7** J1
		7/10/2023	Pace	--	--	<0.25	<0.45	<0.23	<0.41	**2.6**	<0.37	<0.23	<0.24	<0.16	ND
		8/17/2023	Pace	--	--	<0.25	<0.45	<0.23	<0.41	**1.9**	<0.37	<0.23	<0.24	<0.16	Bromomethane **2.2** J1
		9/14/2023	Pace	--	--	<0.38	<0.45	<0.27	<0.28	**2.3**	<0.38	<0.22	<0.34	<0.19	ND
		10/17/2023	Pace	--	--	<0.38	<0.45	<0.27	<0.28	**2.1**	<0.38	<0.22	<0.34	<0.19	ND
		11/3/2023	Pace	--	--	<0.38	<0.45	<0.27	<0.28	**1.3**	<0.38	<0.22	<0.34	<0.19	ND
		12/20/2023	Pace	--	--	<0.38	<0.45	<0.27	<0.28	**1.4**	<0.38	<0.22	<0.34	<0.19	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
		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
		4/25/2023	Pace	**43.4**	**371**	<0.25	<0.45	<0.23	<0.41	**0.42** J1	<0.37	<0.23	<0.24	<0.16	ND
		10/17/2023	Pace	**53.6**	**359**	<0.38	<0.45	<0.27	<0.28 L1	**0.60** J1	<0.38	<0.22	<0.34	<0.19	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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	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
		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
		4/25/2023	Pace	**14.4**	**355**	<0.25	<0.45	<0.23	<0.41	<0.32	<0.37	<0.23	<0.24	<0.16	ND
		10/18/2023	Pace	**22.7**	**338**	<0.25	<0.45	<0.23	<0.41	<0.32	<0.37	<0.23	<0.24	<0.16	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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-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
		4/25/2023	Pace	**96.5**	**368**	<0.25	<0.45	<0.23	<0.41	<0.32	<0.37	<0.23	<0.24	<0.16	ND
		10/17/2023	Pace	**80.8**	**409**	<0.38	<0.45	<0.27	<0.28 L1	<0.33	<0.38	<0.22	<0.34	<0.19	

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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-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
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

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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 (cont.)	W. Muche N7650 Hwy. 67 Mayville	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
		4/25/2023	Pace	**38.2**	**380**	<0.25	<0.45	<0.23	<0.41	**3.4**	<0.37	<0.23	<0.24	<0.16	ND
		10/17/2023	Pace	**38.9**	**356**	<0.38	<0.45	<0.27	<0.28 L1	**4.6**	<0.38	<0.22	<0.34	<0.19	ND
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
		4/25/2023	Pace	**39.6**	**364**	<0.25	<0.45	<0.23	<0.41	<0.32	<0.37	<0.23	<0.24	<0.16	ND
		10/17/2023	Pace	**43.1**	**360**	<0.38	<0.45	<0.27	<0.28 L1	**0.69** J1	<0.38	<0.22	<0.34	<0.19	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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-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
		4/25/2023	Pace	**2**	**356**	<0.25	<0.45	<0.23	<0.41	<0.32	<0.37	<0.23	<0.24	<0.16	ND
		10/17/2023	Pace	**1.6** J1	**344** M0	<0.38	<0.45	<0.27	<0.28 L1	<0.33	<0.38	<0.22	<0.34	<0.19	ND

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Land and Gas Reclamation Landfill / File No. 25224008.02
(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	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	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	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

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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
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
		10/17/2023	Pace	**2**	**325**	<0.38	<0.45	<0.27	<0.28 L1	<0.33	<0.38	<0.22	<0.34	<0.19	ND
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
		10/17/2023	Pace	**16.1**	**222**	<0.38	<0.45	<0.28	<0.28 L1	<0.33	<0.38	<0.22	<0.34	<0.19	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
		10/17/2023	Pace	**1.6** J1	**324**	<0.38	<0.45	<0.27	<0.28 L1, M0	<0.33	<0.38	<0.22	<0.34	<0.19	ND

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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
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
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

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2023
Land and Gas Reclamation Landfill / File No. 25224008.02
(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-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
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

Table 4. LGRL VOC Investigation Water Supply Well Sample Results - Through December 2023
Land and Gas Reclamation Landfill / File No. 25224008.02

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

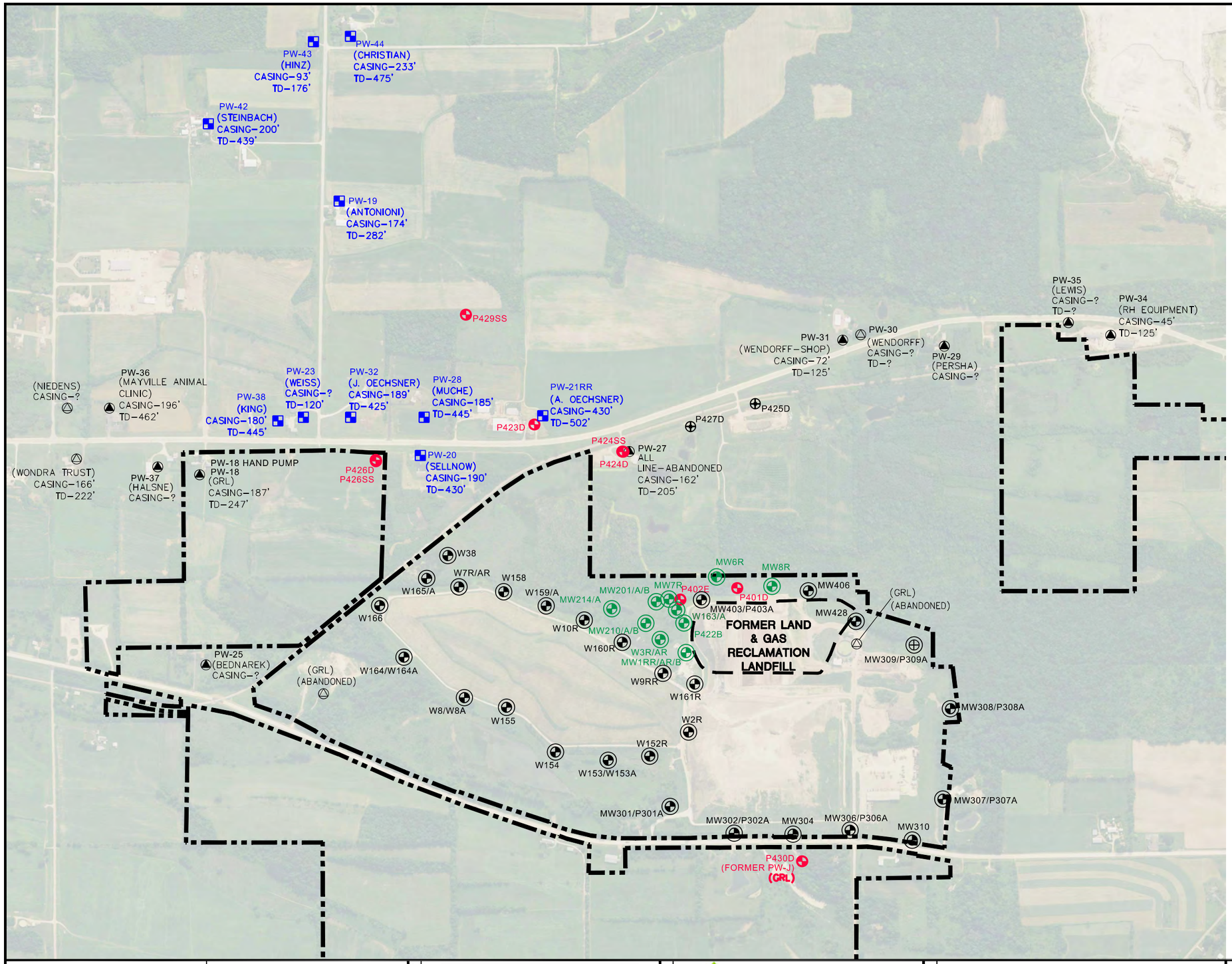
Bold indicates detected compound.
Bold and underline indicates result above drinking water standard.

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.
L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
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:	AJR	Date:	3/4/2024
Checked by:	RM	Date:	3/4/2024

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.	25224008.02	DRAWN BY:	KP
DRAWN:	04/19/2021	CHECKED BY:	EO
REVISED:	03/13/2024	APPROVED BY:	SCC, 5/14/2024

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

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

SITE: 2023 ANNUAL REPORT
LAND AND GAS RECLAMATION LANDFILL
DODGE COUNTY, WISCONSIN

MONITORING WELL AND
PRIVATE WELL LOCATIONS

FIGURE
1

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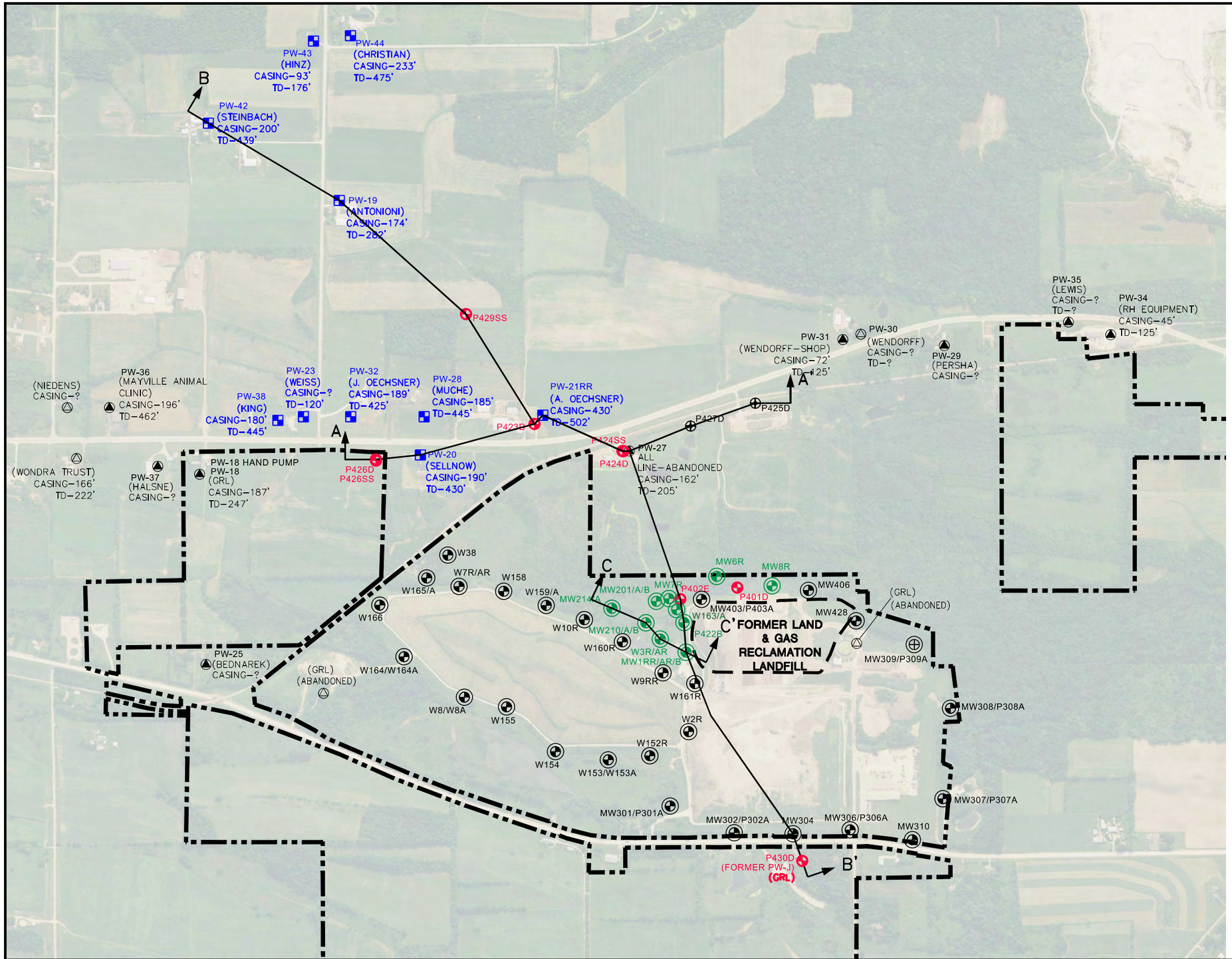

N

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)
- CROSS SECTION LOCATION

NOTES:

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

PROJECT NO.	25224008.02	DRAWN BY:	KP
DRAWN:	04/19/2021	CHECKED BY:	EO
REVISED:	03/13/2024	APPROVED BY:	SCC, 5/14/2024

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

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

SITE: 2023 ANNUAL REPORT
LAND AND GAS RECLAMATION LANDFILL
DODGE COUNTY, WISCONSIN

CROSS SECTION LOCATION MAP

FIGURE 2

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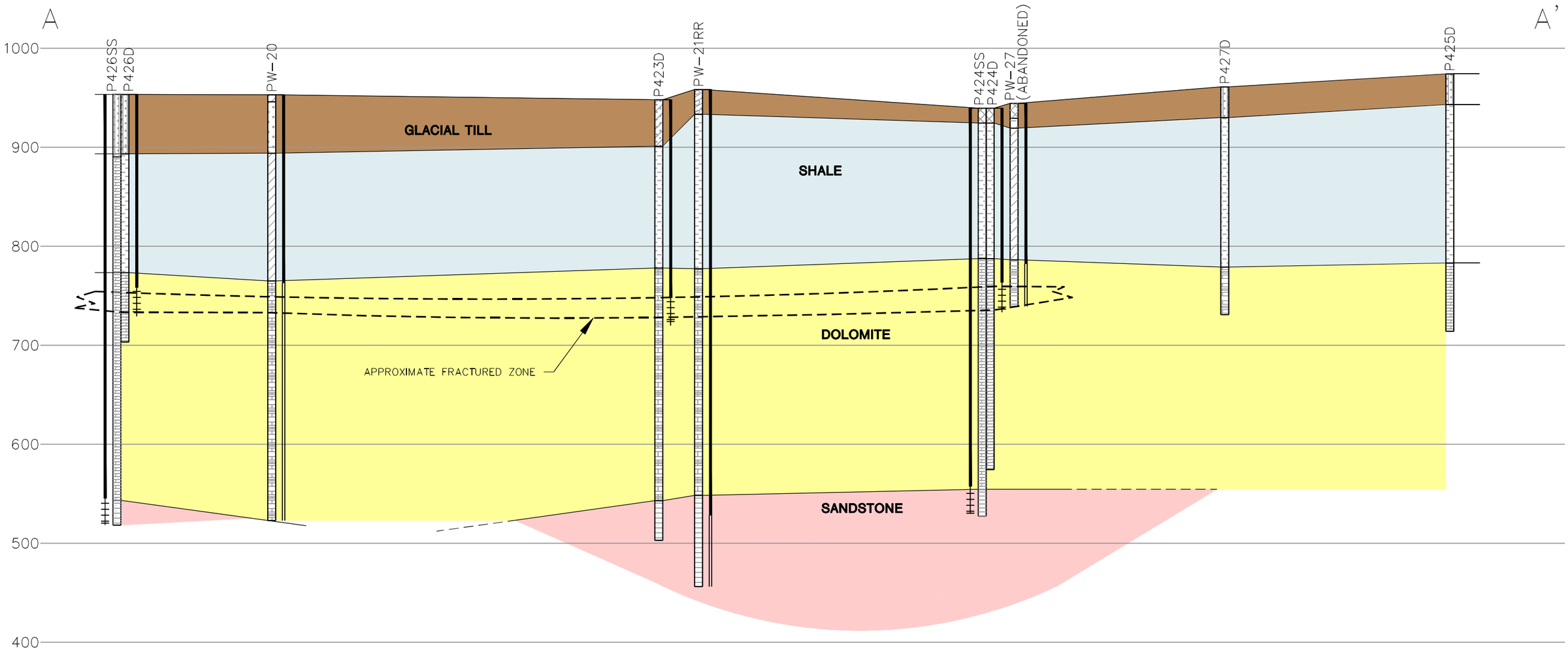

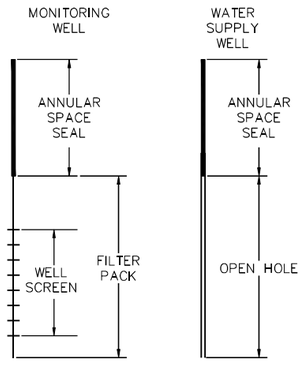

WELL DETAIL

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.	25224008.02	DRAWN BY:	BSS
DRAWN:	04/19/2021	CHECKED BY:	EO
REVISED:	03/13/2024	APPROVED BY:	SCC, 5/14/2024

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

CLIENT: GFL GLACIER RIDGE LANDFILL, LLC.

SITE: 2023 ANNUAL REPORT
LAND AND GAS RECLAMATION LANDFILL
DODGE COUNTY, WISCONSIN

CROSS SECTION A-A'

FIGURE 3

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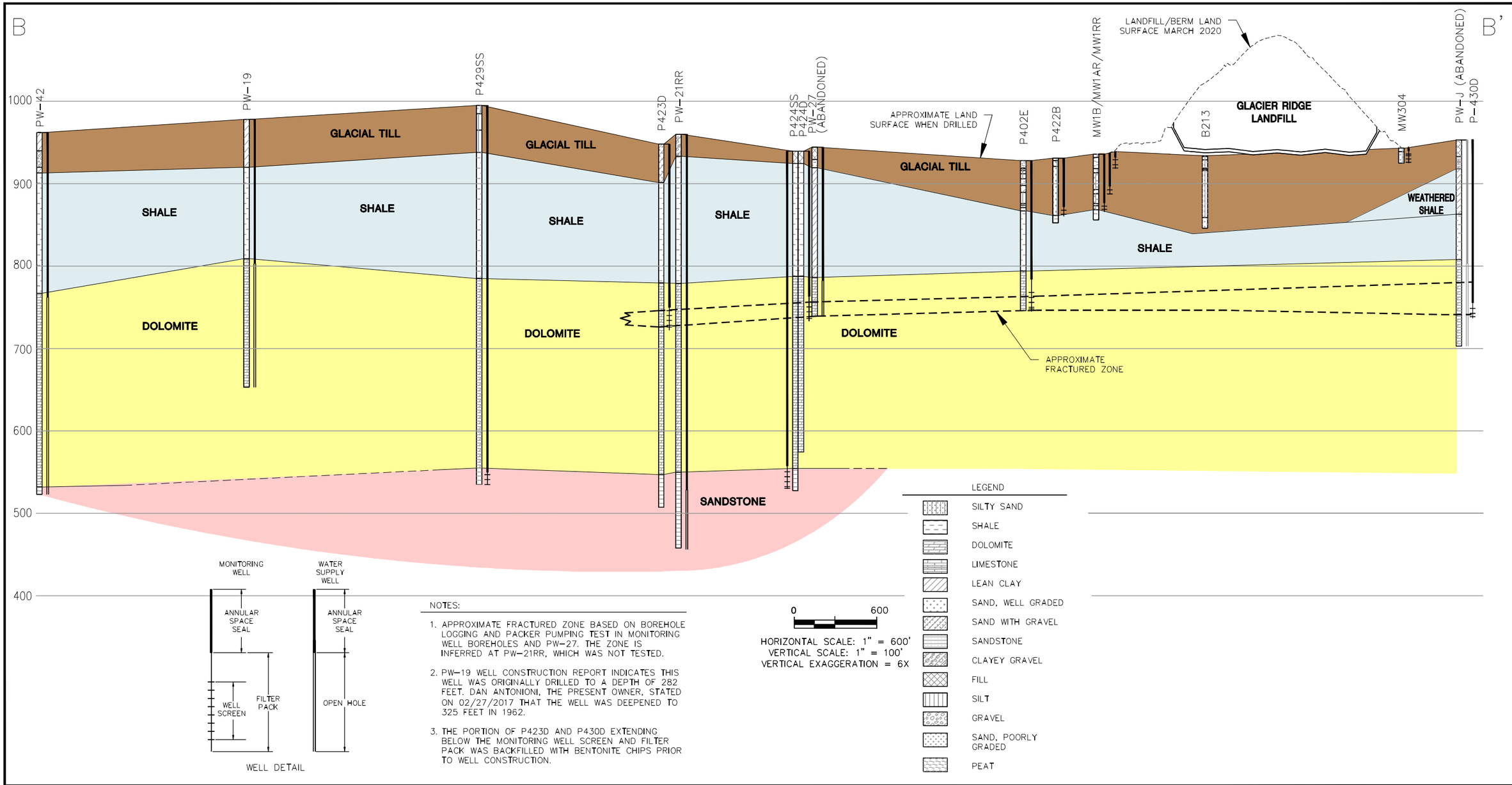

PROJECT NO.	25224008.02	DRAWN BY:	BSS/KP	ENGINEER	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT	GLACIER RIDGE LANDFILL, LLC.	SITE	2023 ANNUAL REPORT LAND AND GAS RECLAMATION LANDFILL DODGE COUNTY, WISCONSIN	CROSS SECTION B-B'	FIGURE 4
DRAWN:	04/19/2021	CHECKED BY:	EO								
REVISED:	03/13/2024	APPROVED BY:	SCC, 5/14/2024								

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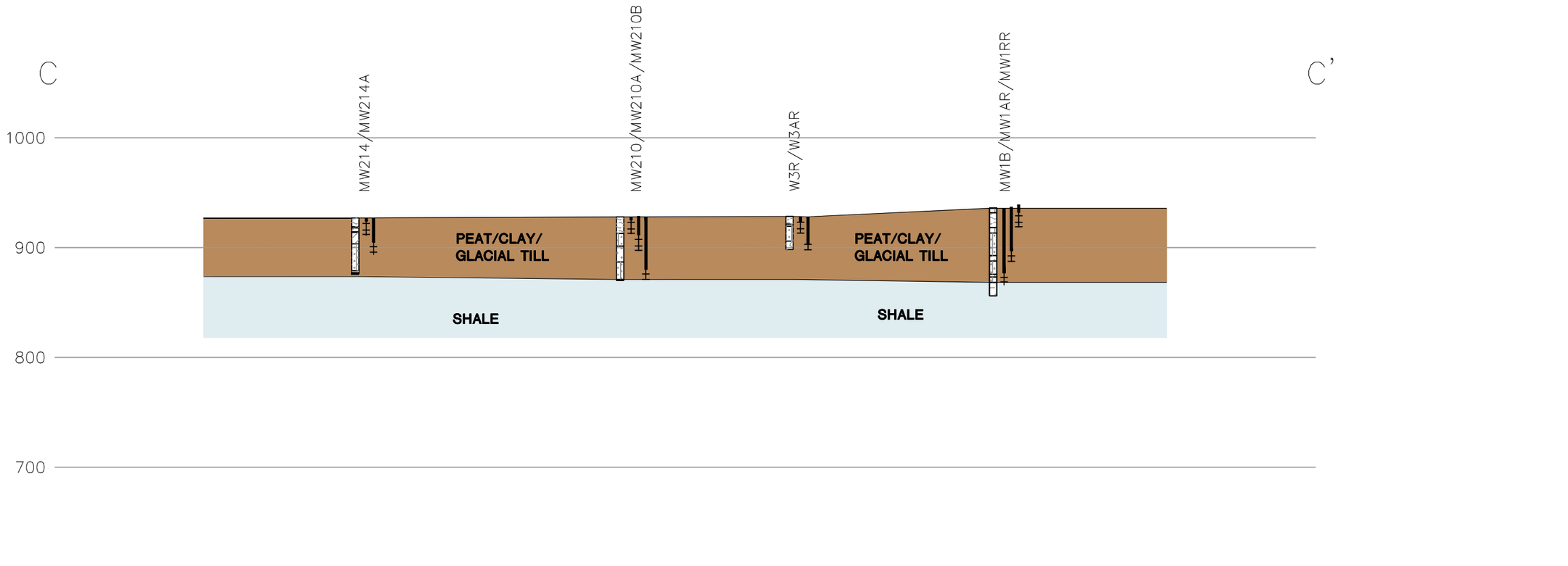

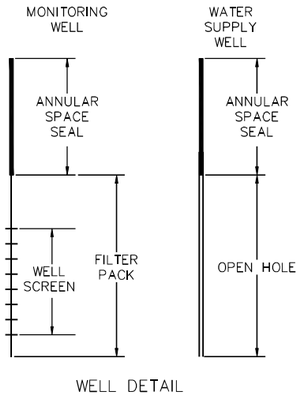

WELL DETAIL

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.	25224008.02	DRAWN BY:	BSS
DRAWN:	04/19/2021	CHECKED BY:	EO
REVISED:	03/13/2024	APPROVED BY:	SCC, 5/14/2024

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

CLIENT: GLACIER RIDGE LANDFILL, LLC.

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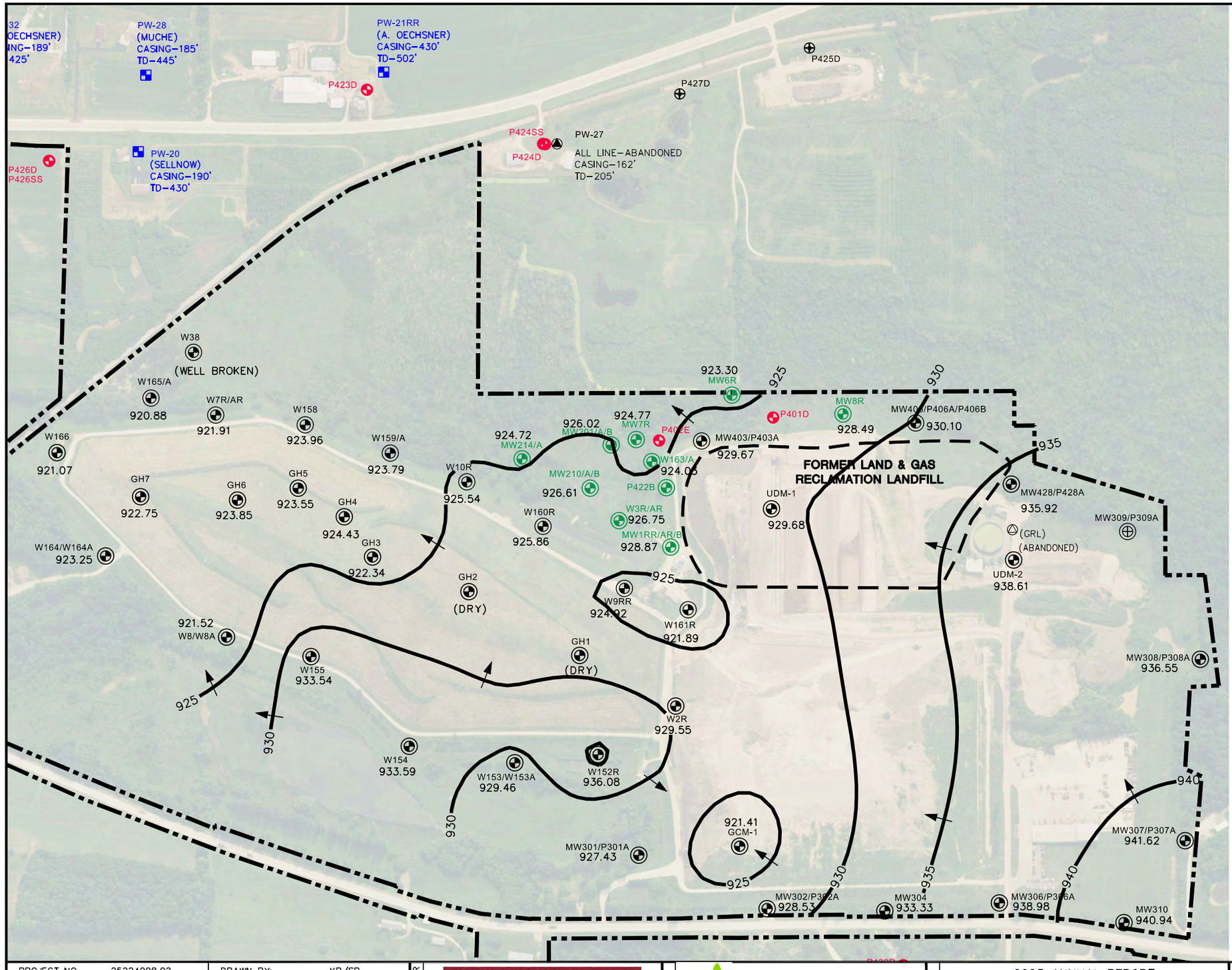
DODGE COUNTY, WISCONSIN

CROSS SECTION C-C'

FIGURE 5

I:\25224008.02\Drawings\Cross Sections.dwg, 3/13/2024 8:55:06 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 2023
- WATER TABLE ELEVATION CONTOUR (5' INTERVAL)

NOTES:

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

PROJECT NO.	25224008.02	DRAWN BY:	KP/SB
DRAWN:	03/13/2024	CHECKED BY:	RM
REVISED:	04/25/2024	APPROVED BY:	SCC, 5/14/2024

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

SHALLOW GROUNDWATER ELEVATIONS AND WATER TABLE – OCTOBER 2023

FIGURE 6

C:\Projects\25224008.02\Drawings\Shallow Wtbl.dwg, 4/25/2024 7:50:16 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'

P423D
851.34

P424SS
P424D
852.21

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

P427D

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'

851.65
P426D
P426SS

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

855

P402E
853.28

P401D
853.36

(GRL)
(ABANDONED)

860

FORMER LAND & GAS RECLAMATION LANDFILL

865

870

875

880

885

890

PW-25
(BEDNAREK)
CASING-?

(GRL)
(ABANDONED)

P430D
(FORMER PW-J)
(GRL) 891.59

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 (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 21 AND 24, 2023.

PROJECT NO.	25224008.02	DRAWN BY:	KP
DRAWN:	03/13/2024	CHECKED BY:	RM
REVISED:	05/08/2024	APPROVED BY:	SCC, 5/14/2024

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

CLIENT: GFL GLACIER RIDGE LANDFILL, LLC.

SITE: 2023 ANNUAL REPORT
LAND AND GAS RECLAMATION LANDFILL
DODGE COUNTY, WISCONSIN

DOLOMITE BEDROCK GROUNDWATER ELEVATIONS AND POTENTIOMETRIC SURFACE CONTOURS – APRIL 2023

FIGURE 7

\\Mad-fs01\data\Projects\25224008.02\Drawings\BEDROCK WTBL (Dolomite).dwg, 5/10/2024 8:47:31 AM

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'

P423D
847.09

P425D

P427D

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

PW-30
(WENDORFF)
CASING–?
TD–?

PW-29
(PERSHA)
CASING–?

PW-35
(LEWIS)
CASIN
TD–?

P424SS

P424D
847.35

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

PW-37
(HALSNE)
CASING–?

PW-18 HAND PUMP

PW-18
(GRL)
CASING–187'
TD–247'

847.00
P426D
P426SS

PW-20
(SELLNOW)
CASING–190'
TD–430'

P402E
848.48

P401D
848.45

850

855

860

865

870

875

880

FORMER LAND & GAS RECLAMATION LANDFILL

(GRL)
(ABANDONED)

PW-25
(BEDNAREK)
CASING–?

(GRL)
(ABANDONED)

P430D
(FORMER PW-J)
(GRL) 883.74

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 (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 30–31, 2023.

PROJECT NO.	25224008.02	DRAWN BY:	KP
DRAWN:	03/13/2024	CHECKED BY:	RM
REVISED:	05/08/2024	APPROVED BY:	SCC, 5/14/2024

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

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

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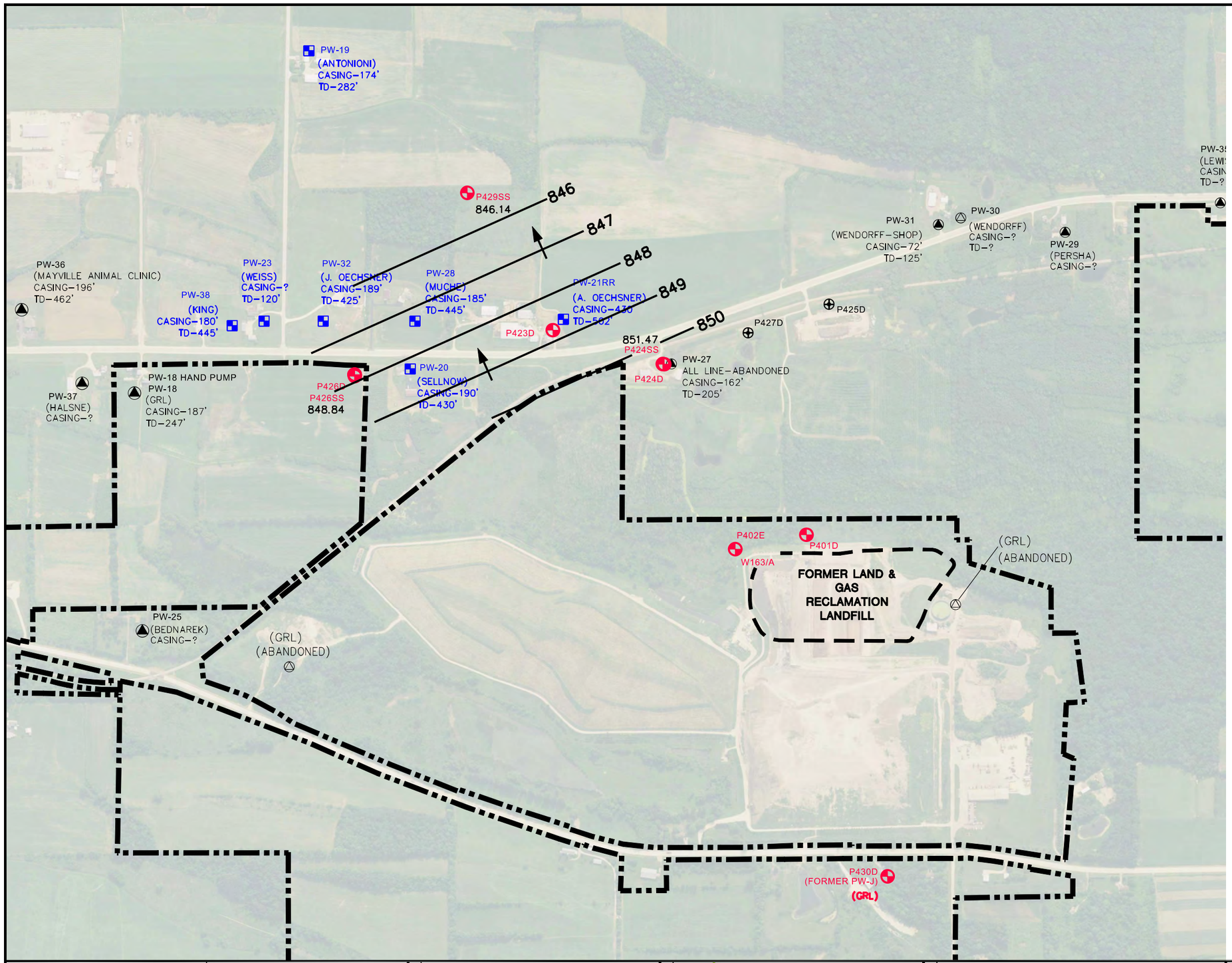
DODGE COUNTY, WISCONSIN

DOLOMITE BEDROCK GROUNDWATER ELEVATIONS AND POTENTIOMETRIC SURFACE CONTOURS – OCTOBER 2023

FIGURE 8

\\Mad-fs01\data\Projects\25224008.02\Drawings\BEDROCK WTBL (Dolomite).dwg, 5/10/2024 8:47:38 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)
- 849.25 — 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 21 AND 24, 2023.

PROJECT NO.	25224008.02	DRAWN BY:	KP
DRAWN:	03/13/2024	CHECKED BY:	RM
REVISED:	03/13/2024	APPROVED BY:	SCC, 5/14/2024

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

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

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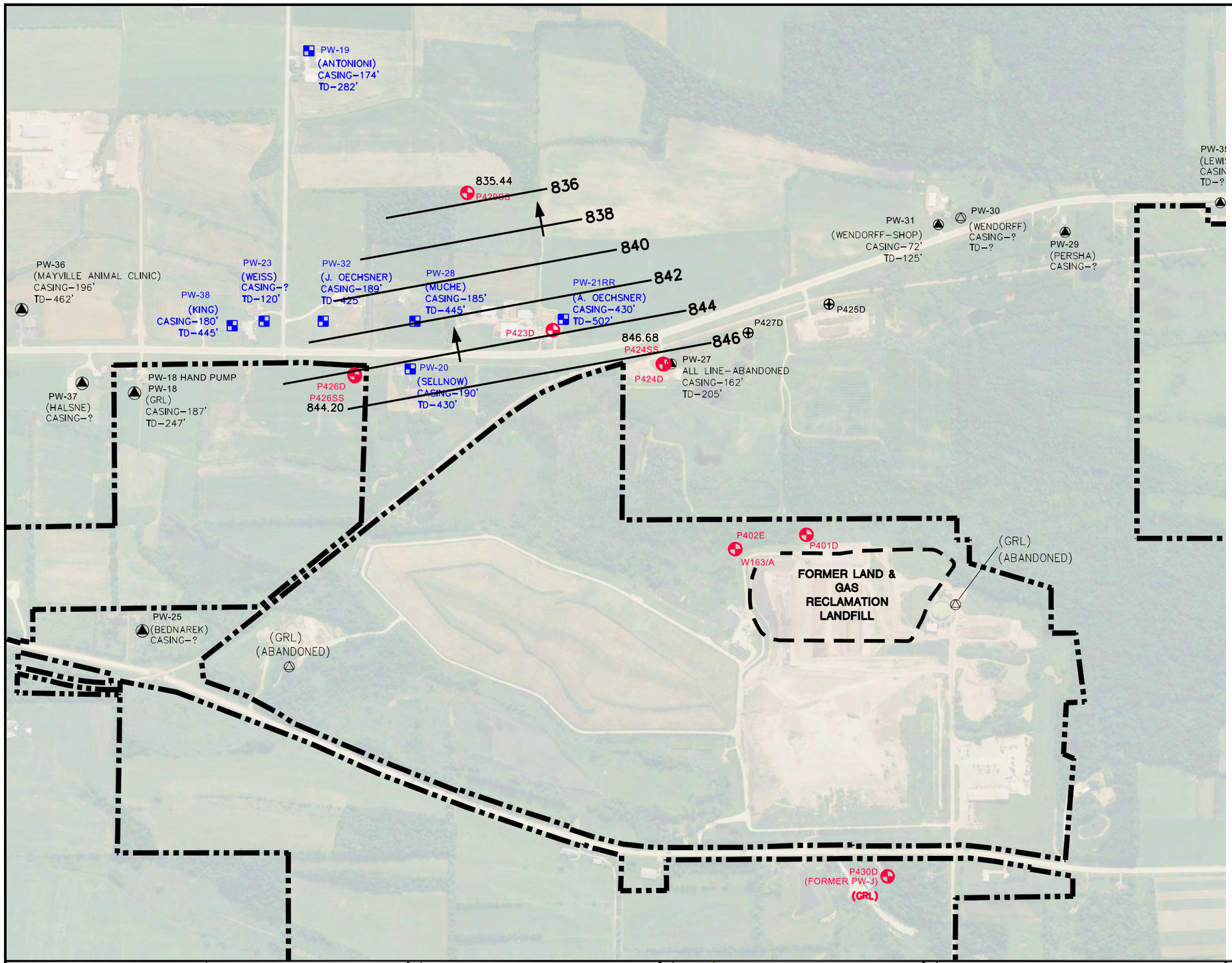
SANDSTONE BEDROCK GROUNDWATER ELEVATIONS AND POTENTIOMETRIC SURFACE CONTOURS – APRIL 2023

FIGURE 9

I:\25224008.02\Drawings\BEDROCK WTBL (Sandstone).dwg, 3/13/2024 12:56:37 PM



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 30–31, 2023.

PROJECT NO.	25224008.02	DRAWN BY:	KP
DRAWN:	03/13/2024	CHECKED BY:	RM
REVISED:	03/13/2024	APPROVED BY:	SCC, 5/14/2024

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

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

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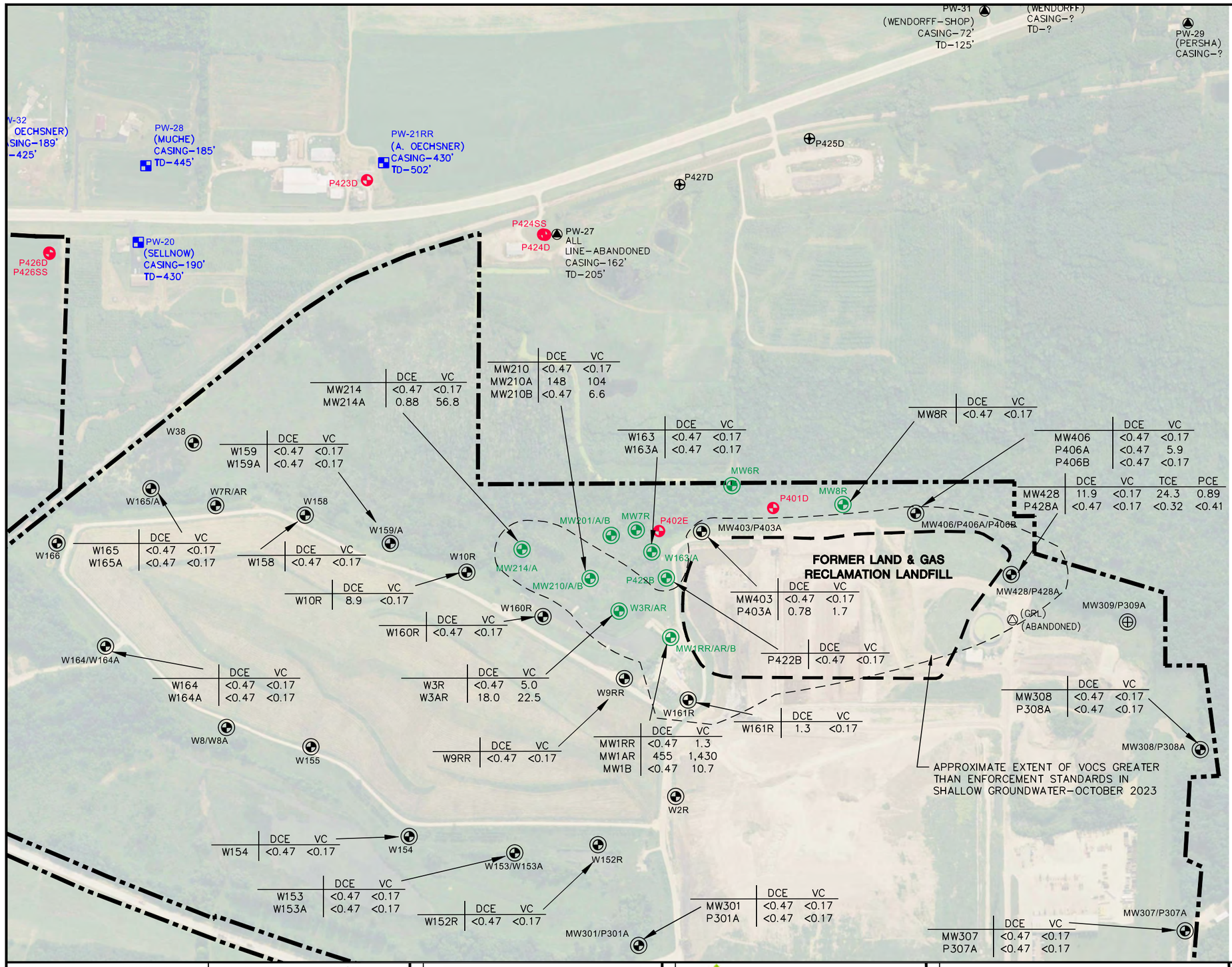
LAND AND GAS RECLAMATION LANDFILL
DODGE COUNTY, WISCONSIN

SANDSTONE BEDROCK GROUNDWATER ELEVATIONS AND POTENTIOMETRIC SURFACE CONTOURS – OCTOBER 2023

FIGURE 10

I:\25224008.02\Drawings\BEDROCK WTBL (Sandstone).dwg, 3/13/2024 12:56:42 PM



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 2023 SAMPLING EVENT.

PROJECT NO.	25224008.02	DRAWN BY:	KP/SB
DRAWN:	03/12/2024	CHECKED BY:	RM
REVISED:	04/25/2024	APPROVED BY:	SCC, 5/14/2024

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

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

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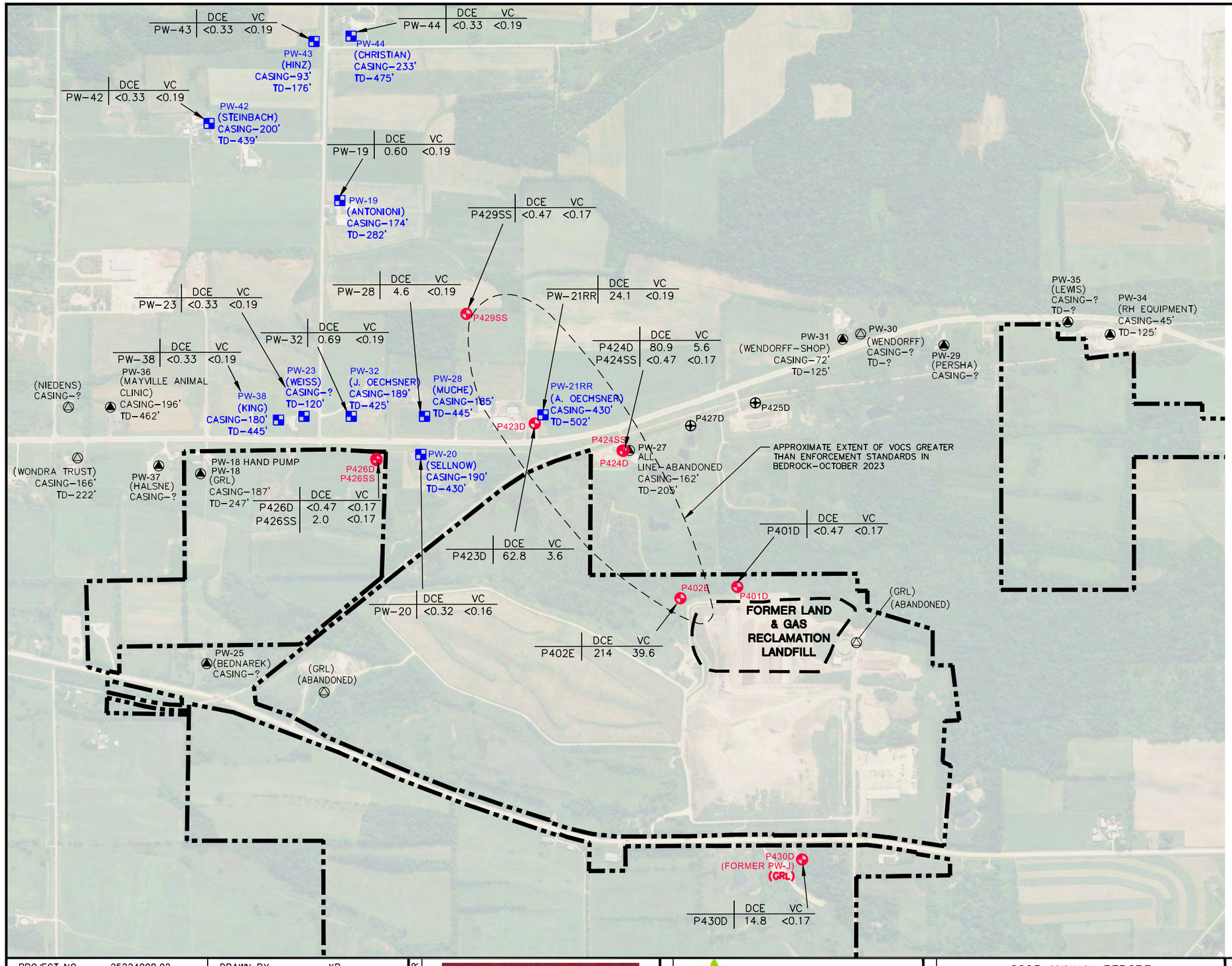
DODGE COUNTY, WISCONSIN

VOCS IN SHALLOW GROUNDWATER
OCTOBER 2023

FIGURE 11

C:\Projects\25224008.02\Drawings\RSLTS_VOC Shallow GW.dwg, 4/25/2024 8:04:26 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.	25224008.02	DRAWN BY:	KP
DRAWN:	03/12/2024	CHECKED BY:	RM
REVISED:	03/26/2024	APPROVED BY:	SCC, 5/14/2024

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

CLIENT: GFL — GLACIER RIDGE LANDFILL, LLC.

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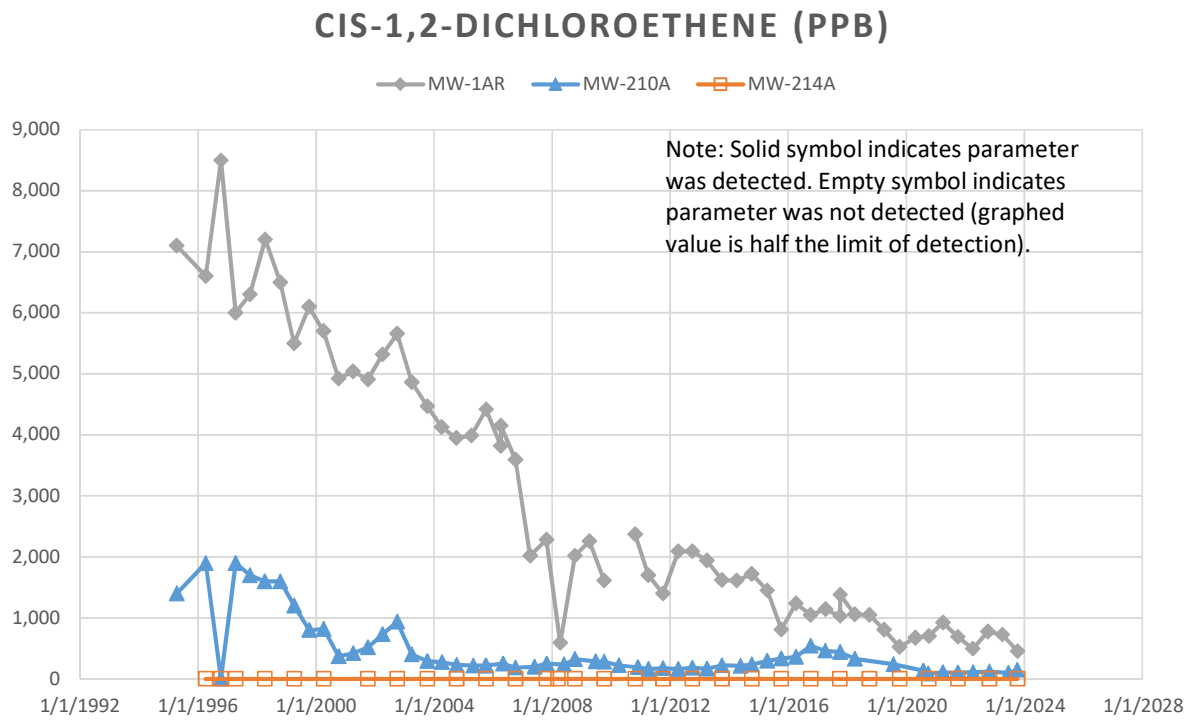
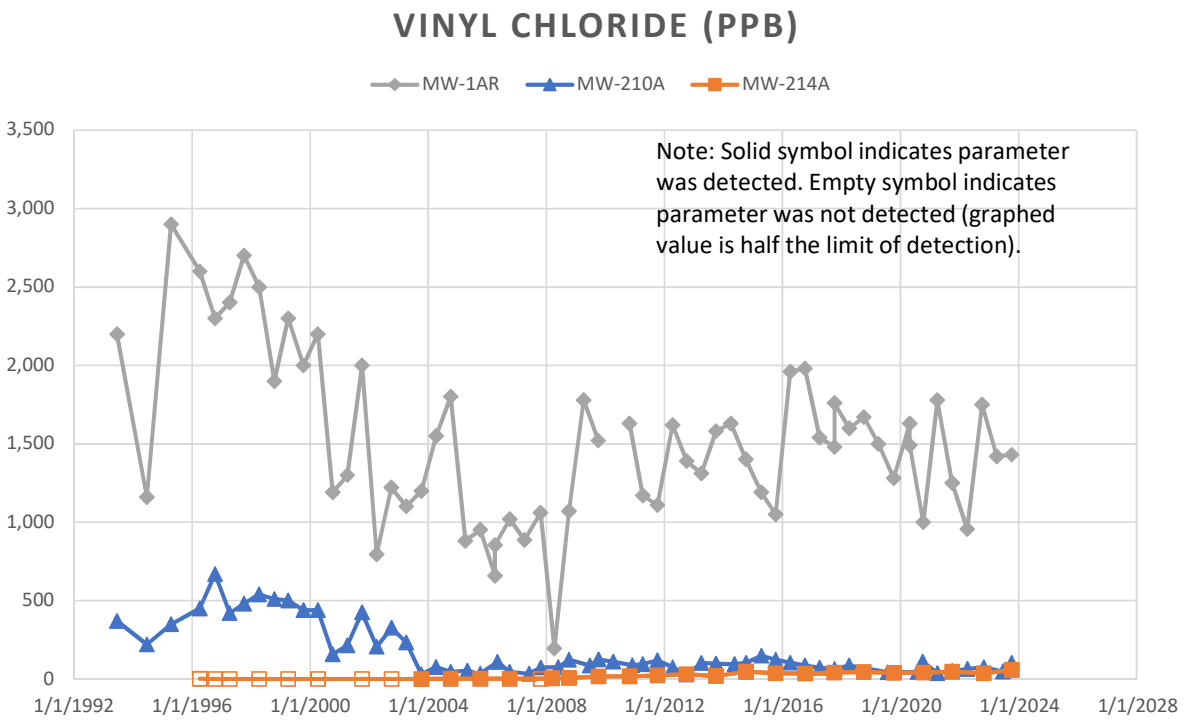
VOCS IN BEDROCK GROUNDWATER OCTOBER 2023

FIGURE 12

I:\25224008.02\Drawings\RSLTS_VOC Bedrock.dwg, 3/26/2024 9:16:45 AM

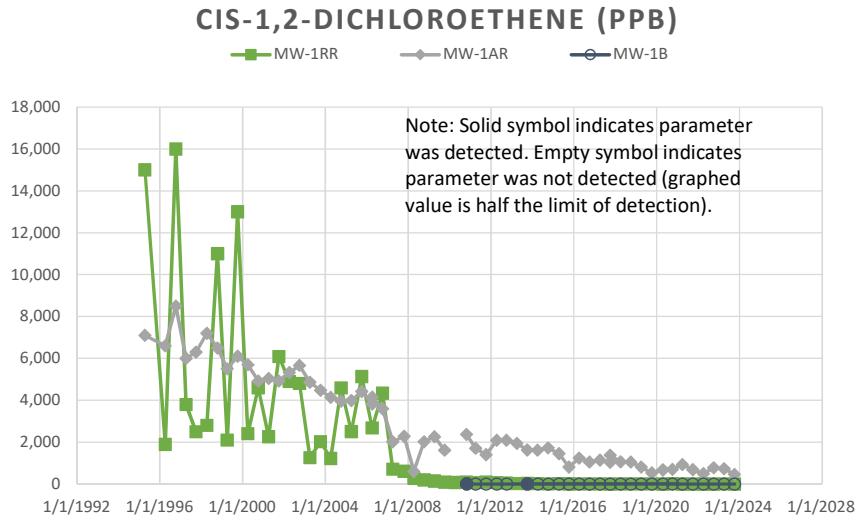
Figure G1. Time Series Graphs for Mid-Depth Wells Along the Shallow Plume (MW-1AR, MW-210A, MW-214A)

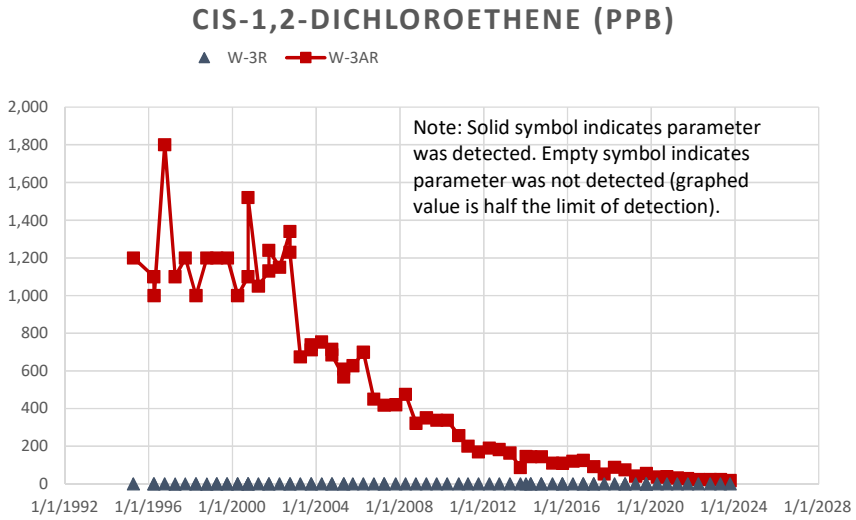


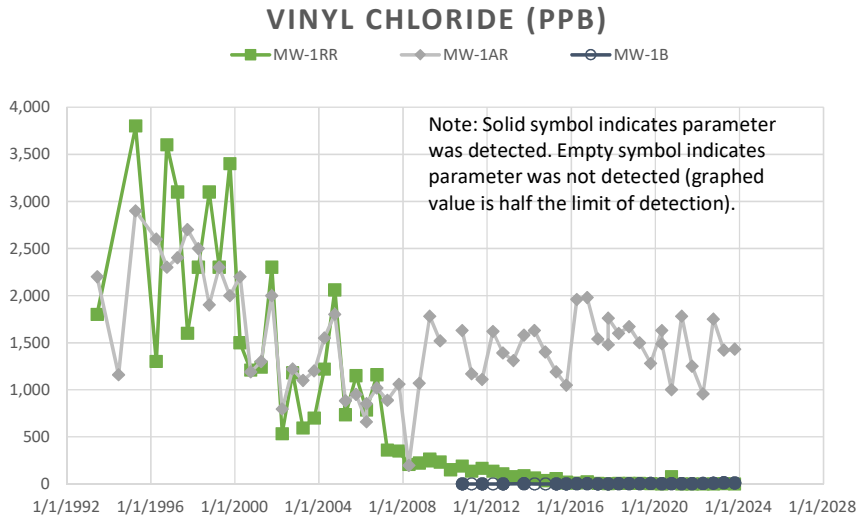


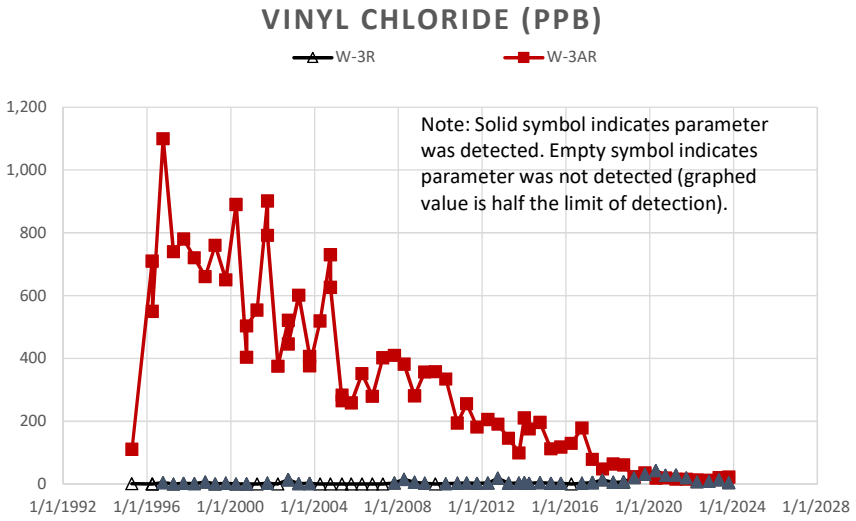
Note: When comparing between graphs, be aware that vertical scales vary.

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



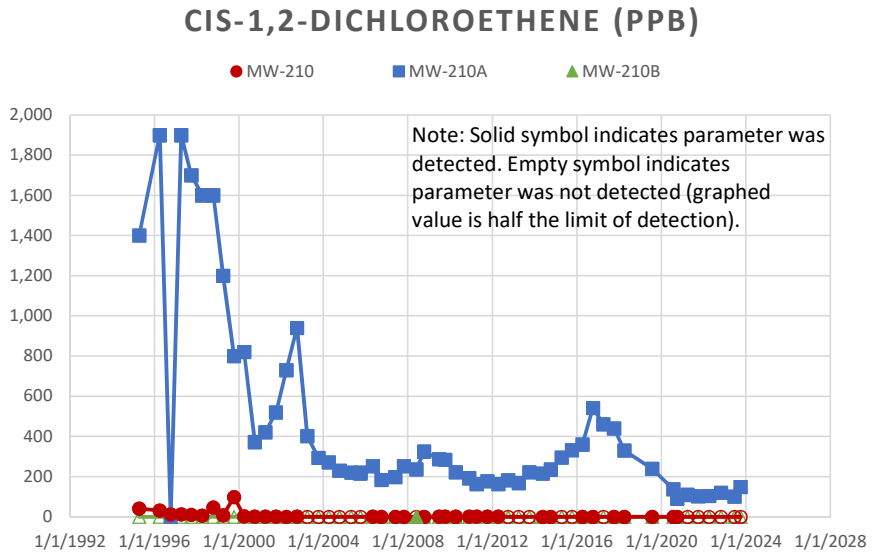


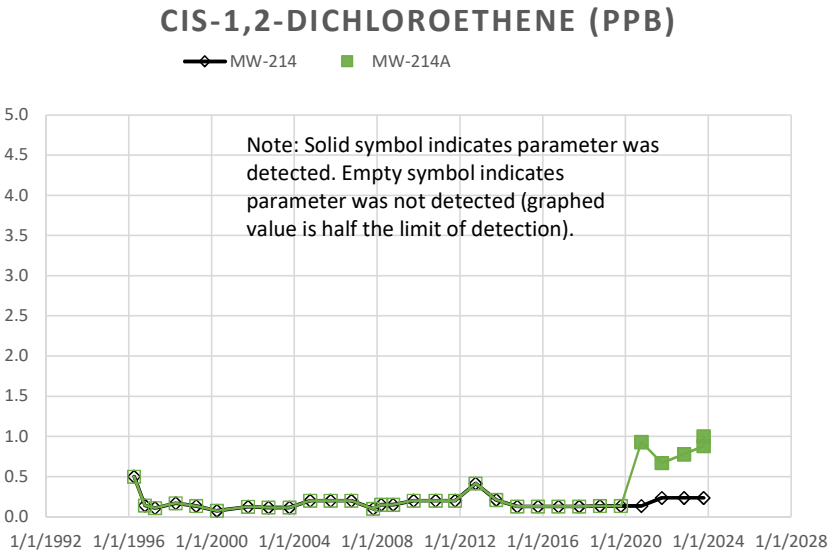


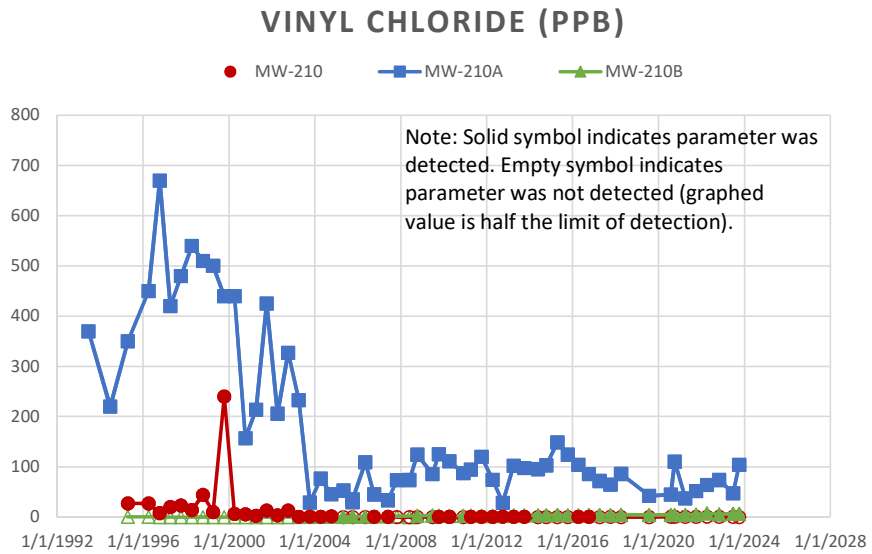


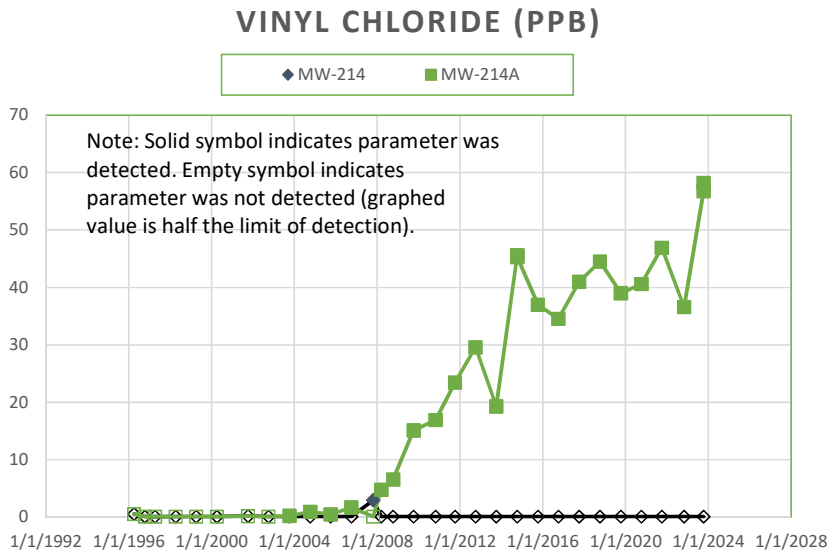
Note: When comparing between graphs, be aware that vertical scales vary.

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

(Includes wells with at least one detection of cis-1,2-DCE)

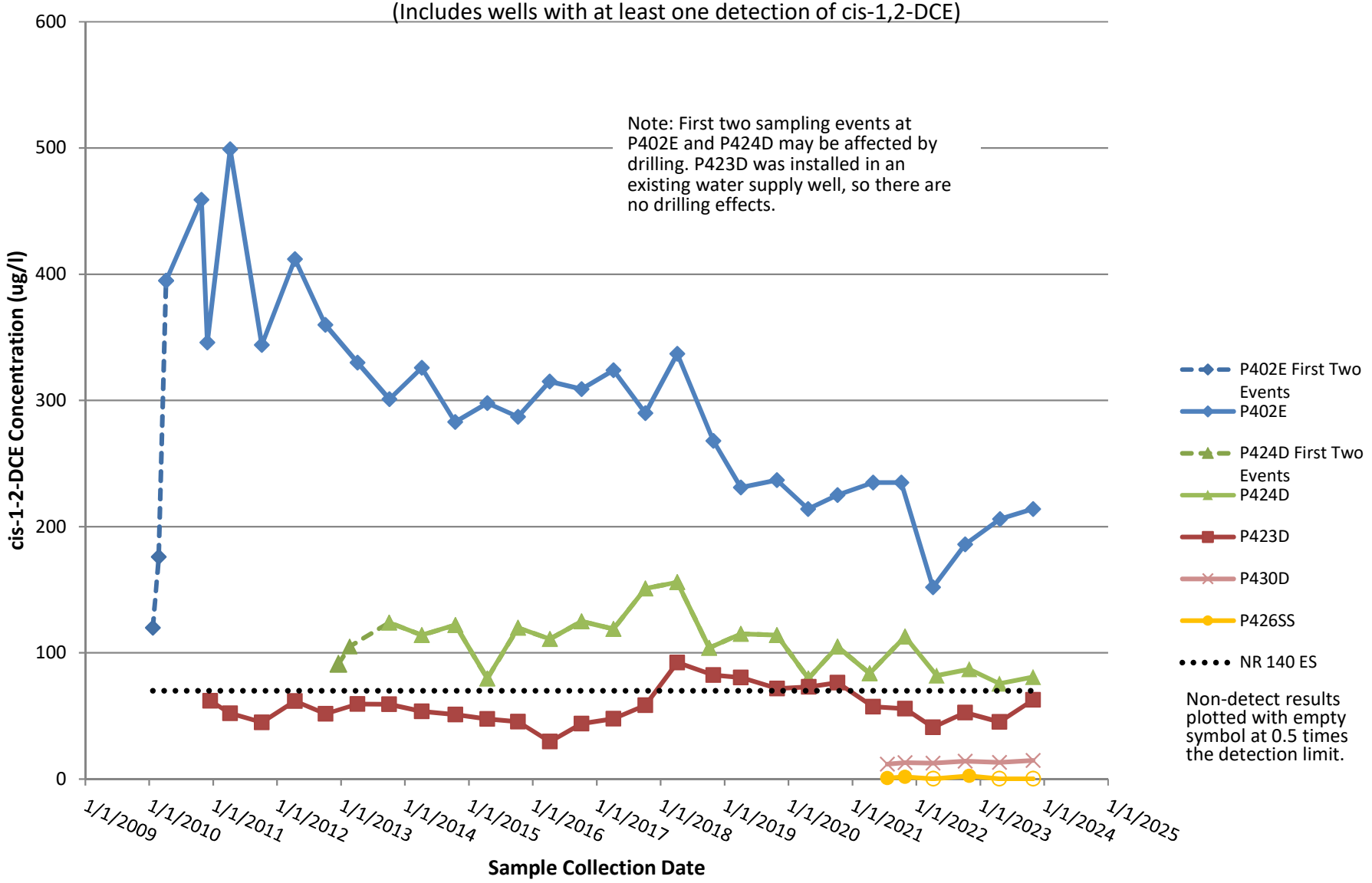


Figure G5. Time Series Graph for Vinyl Chloride in Bedrock Monitoring Wells

(Includes wells with at least one detection of vinyl chloride)

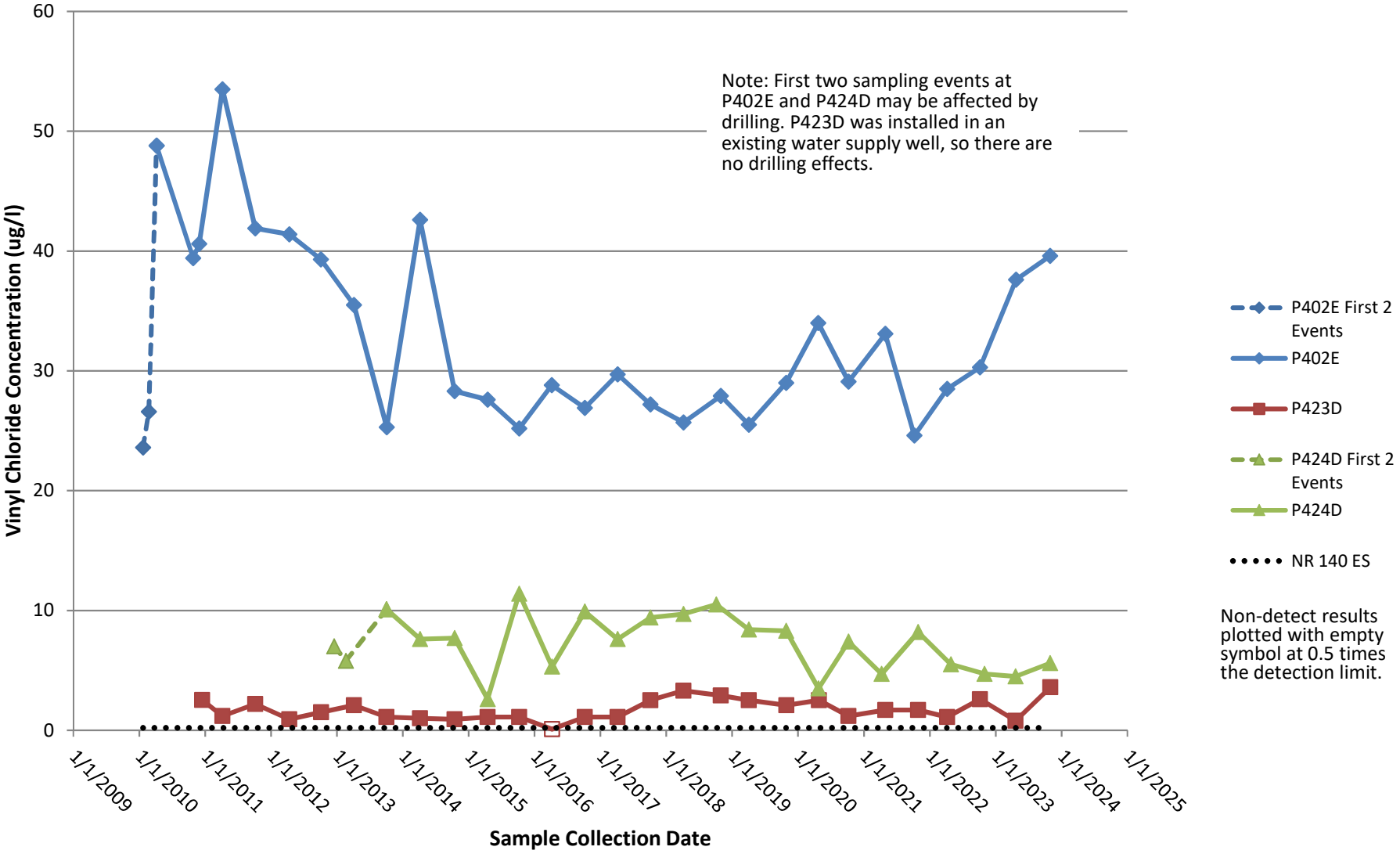


Figure G6. Time Series Graph for Cis-1,2-Dichloroethylene in Water Supply Wells Downgradient from LGRL

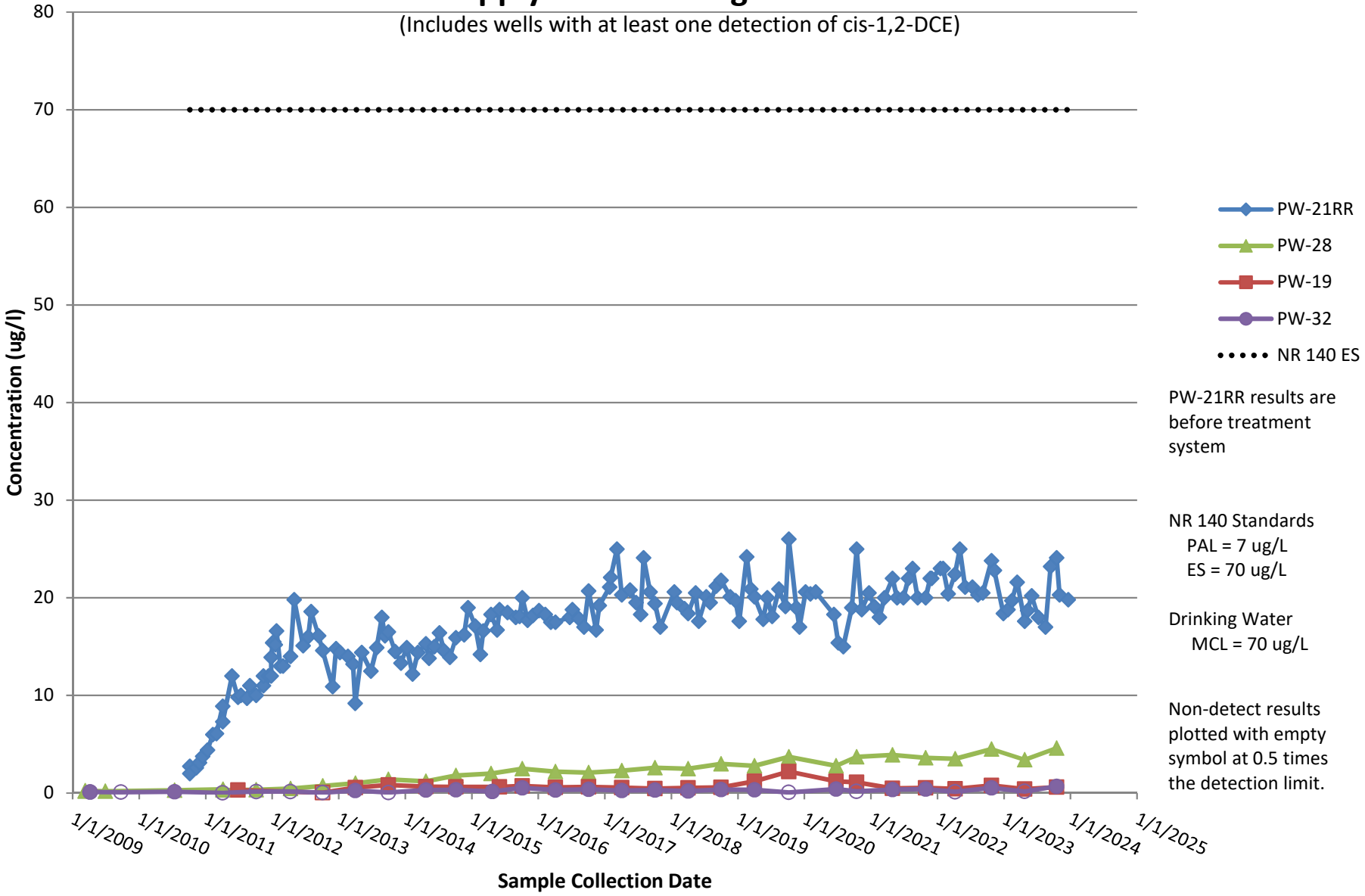
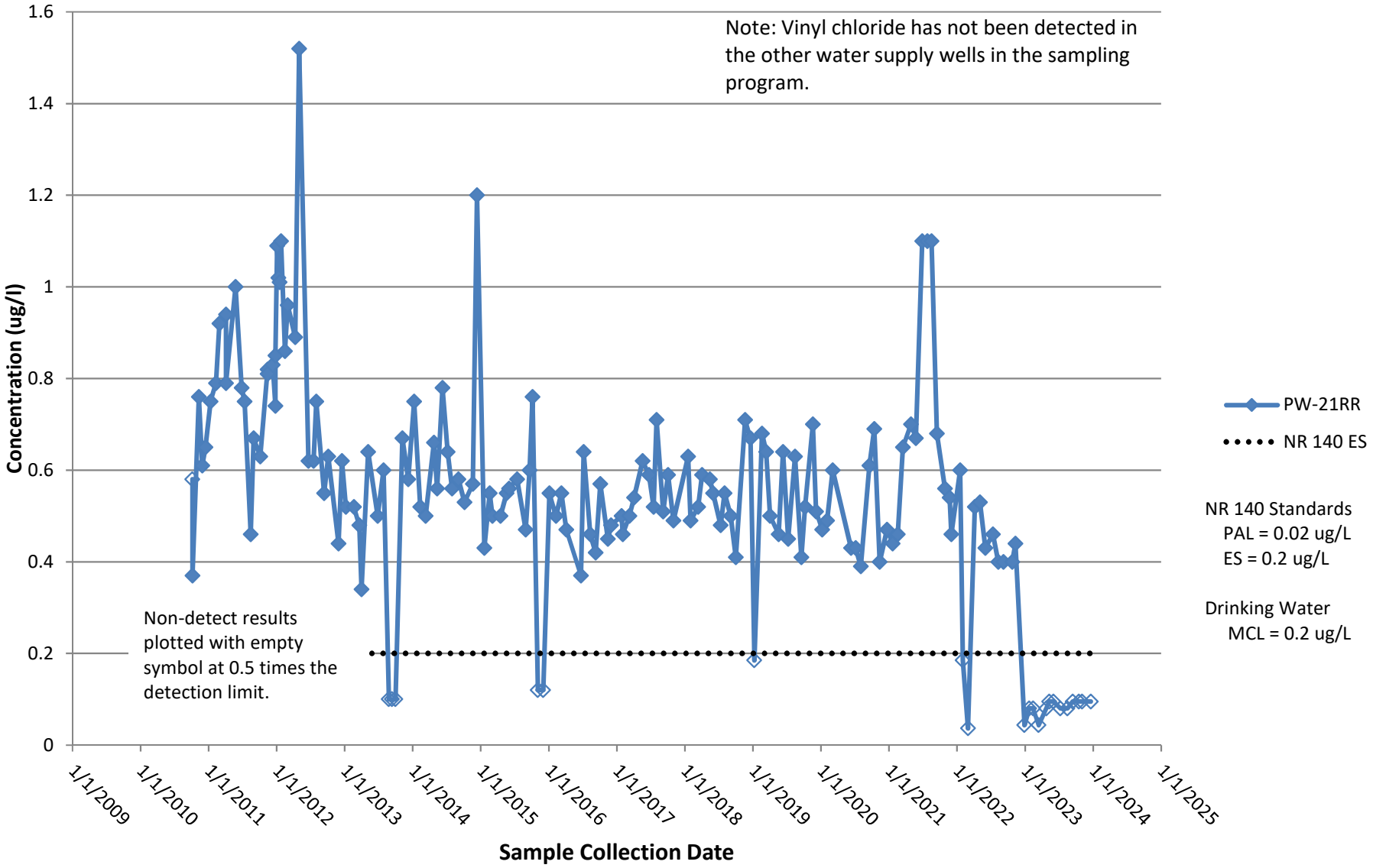


Figure G7. Time Series Graph for Vinyl Chloride at PW-21RR Samples (Before Treatment System)



Attachment A

LGRL Solid Waste Program Monitoring Results: 2020-2023

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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			928.44	926.54	928.39	925.49	928.29	928.09	929.89	927.07
ph-Field (standard units)			7.39	7.5	7.45	7.05	7.4	7.73	6.99	7.28
			7.39		7.45	7.05		7.73		
Specific conductance-field (umhos/cm @ 25c)			812	2132	2290	2700	1996	2550	2360	2500
			812		2290	2700		2550		
Temperature, water (degrees centigrade)			10.2	12	17.5	12.1	11.6	20.4	12.6	13.2
			10.2		12.5	12.1		20.4		
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			501	474	509	502	526	508	501	499
			489		516	478		533		
Arsenic, dissolved (ug/l As)	10	1	**3.4**	**3.1**	**3.5**	**3.1**	**3.2**	**3.4**	**3.1**	**3**
	10	1	**3.4**		**3.3**	**3.3**		**3.6**		
Chloride, dissolved (mg/l as Cl)	250	125	**538**	**543**	**532**	**534**	**588**	**570**	**548**	**557**
	250	125	**542**		**525**	**497**		**562**		
Hardness, total, filtered (mg/l as CaCO3)			695	641	711	694	689	743	746	735
			664		696	696		742		
Organic										
1,1-Dichloroethane (ug/l)	850	85	27.8	17.7 J	16.4	17.8 J	15.3 J	19.1 J	18.3 J	14.7 J
	850	85	24.4		15.6	18.4		20.2		
1,1-Dichloroethylene (ug/l)	7	0.7	**5.8**	<4.9	<5.8	<11.6	<11.6	<11.6	<11.6	<11.6
	7	0.7	**4.9 J**		<5.8	<5.8		<11.6		

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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
MW-001AR (LGRL)										
1,2-Dichloroethane (ug/l)	5	0.5	**0.67 J**	<5.6	<2.9	<5.8	<5.8	<5.8	<5.8	<5.8
	5	0.5	<5.6		<2.9	<2.9		<5.8		
Acetone (ug/l)	9000	1800	3 J	<54.8	<86.4	<173	<173	<173	<173	<173
	9000	1800	<54.8		<86.4	<86.4		<173		
Benzene (ug/l)	5	0.5	**2.1**	<4.9	<3	<5.9	<5.9	<5.9	<5.9	<5.9
	5	0.5	<4.9		<3	<3		<5.9		
cis-1,2-Dichloroethene (ug/l)	70	7	**673**	**701**	**926**	**690**	**495**	**778**	**726**	**455**
	70	7	**670**		**895**	**737**		**852**		
Methyl-tert-butyl ether (ug/l)	60	12	1.5 J	<24.9	<11.3	<22.6	<22.6	<22.6	<22.6	<22.6
	60	12	<24.9		<11.3	<11.3		<22.6		
Tetrahydrofuran (ug/l)	50	10	**62.1**	<46.4	**51.1 J**	<48.4	<48.4	<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	5.1	**20 J**	7.7 J	15.2 J	<10.6	13.9 J	<10.6	<10.6
	100	20	**25.9 J**		5.4 J	<5.3		<10.6		
Trichloroethylene (ug/l)	5	0.5	0.32 J	<5.1	<3.2	<6.4	<6.4	<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	**1630**	**1000**	**1780**	**1250**	**957**	**1750**	**1420**	**1430**
	0.2	0.02	**1490**		**1550**	**1400**		**1770**		

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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-001B										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			927.13	925.53	926.98	926.13	925.91	926.11	927.87	923.88
ph-Field (standard units)			7.31	7.72	7.82	7.82	7.89	7.6	7.44	7.81
Specific conductance-field (umhos/cm @ 25c)			516	633	825	750	755	851	846	859
Temperature, water (degrees centigrade)			9.3	12.5	11.6	12.6	10.6	13.1	11.9	13.1
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			190	177	190	194	187	200	197	246
Chloride, dissolved (mg/l as Cl)	250	125	**133**	**139**	**144**	**149**	**162**	**150**	**132**	**213**
Hardness, total, filtered (mg/l as CaCO3)			339	358	372	372	356	358	380	374
Organic										
Acetone (ug/l)	9000	1800	<2.7	3.5 J	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6
Carbon disulfide (ug/l)	1000	200	0.8 J	<0.45	<1.1	<1.1	<1.1	<1.1	<0.65	<0.65
Vinyl chloride (ug/l)	0.2	0.02	**2.2**	**4.3**	**2.7**	**4.3**	**5.4**	**9.4**	**12.3**	**10.7**

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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-001RR (LGRL)										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			926.82	924.84	926.77	929.92	926.67	931.45	930.77	928.87
ph-Field (standard units)			7.02	6.92	6.92	6.89	6.92	6.64	6.69	6.79
Specific conductance-field (umhos/cm @ 25c)			758	1499	1636	1651	1522	1885	1977	1825
Temperature, water (degrees centigrade)			9	13.5	11	13.1	9.7	15.2	12.2	15.4
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			913	1010	976	978	880	927	980	954
Arsenic, dissolved (ug/l As)	10	1	**4.5**	**5**	**4**	**4.8**	**2.6**	**6.2**	**4.2**	**4.9**
Chloride, dissolved (mg/l as Cl)	250	125	80.1	110	94.7	113	**150**	**131**	111 M	106
Hardness, total, filtered (mg/l as CaCO3)			807	930	821	816	828	890	869	853
Organic										
1,1-Dichloroethane (ug/l)	850	85	<0.27	0.29 J	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acetone (ug/l)	9000	1800	<2.7	4.5 J	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6
Benzene (ug/l)	5	0.5	<0.25	0.32 J	<0.3	0.31 J	<0.3	<0.3	0.31 J	<0.3
cis-1,2-Dichloroethene (ug/l)	70	7	<0.27	**18.5**	<0.47	<0.47	<0.47	<0.47	0.69 J	<0.47
Vinyl chloride (ug/l)	0.2	0.02	**0.68 J**	**75.9**	**0.99 J**	**1.7**	<0.17	**0.29 J**	**3.2**	**1.3**

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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-006R										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			925.72	924.65	925.7	925.05	925.79	925.06	924.3	923.3
ph-Field (standard units)			7.1	7.44	7.22	7.04	7.23	7.13	6.52	7.07
						7.04				7.07
Specific conductance-field (umhos/cm @ 25c)			352	829	730	706	859	838	680	880
						706				880
Temperature, water (degrees centigrade)			8.3	9.9	15.1	13	9	12.9	13.5	9.3
						13				9.3
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			407	380	398	408	453	430	451	419
						404				422
Arsenic, dissolved (ug/l As)	10	1	0.41 J	0.62 J	0.64 J	0.29 J	0.3 J	0.68 J	<0.28	0.33 J
	10	1				<0.28				0.33 J
Chloride, dissolved (mg/l as Cl)	250	125	24	23.2	23.1	22.5	23.5	24.6	22.5	23.7
	250	125				22.7				23.5
Hardness, total, filtered (mg/l as CaCO3)			416	376	403	377	400	433	411	415
						380				393

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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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			923.97	925.52	925.62	925.82	925.9	925.36	925.77	918.33
ph-Field (standard units)			7.4	7.22	7.02	6.95	7.04	7.09	6.97	6.74
				7.22	7.02			7.09	6.97	
Specific conductance-field (umhos/cm @ 25c)			380	842	831	830	765	883	731	801
				842	831			883	731	
Temperature, water (degrees centigrade)			8.4	11.9	10.4	11	4.4	10.8	9.2	10.7
				11.9	10.4			10.8	9.2	
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			397	428	437	425	348	400 M	443	451
				408	444			433	434	
Arsenic, dissolved (ug/l As)	10	1	**3.6**	**5.5**	0.96 J	**4.9**	**1.6**	**1.3**	**3.3**	0.78 J
	10	1		**4.7**	0.91 J			**1.3**	**3**	
Chloride, dissolved (mg/l as Cl)	250	125	45.7 M	31.9	34.2	38	45.9	32.4	34.8	24.3
	250	125		36.2	34.7			32.2	37.6	
Hardness, total, filtered (mg/l as CaCO3)			401	422	413	402	344	381	408	411
				420	414			380	391	

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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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			931.24	930.91	931.21	930.79	931.34	930.54	931.34	928.49
ph-Field (standard units)			7.04	7.34	7.02	7.21	7.18	7.04	7.16	6.91
Specific conductance-field (umhos/cm @ 25c)			455	1309	990	1280	1561	1524	978	1353
Temperature, water (degrees centigrade)			9.1	10.5	13.8	11.3	8.6	11.9	9.1	10.5
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			851	823	942	899	909	784	947	624
Arsenic, dissolved (ug/l As)	10	1	**2.7**	**3.2**	**2**	**2.8**	**2.1**	**2.8**	**1.5**	**2.6**
Chloride, dissolved (mg/l as Cl)	250	125	36.3 M	37.6	37.6	43.5	37.6	40.5	39.8	32.2
Hardness, total, filtered (mg/l as CaCO3)			820	715	814	824	809	777	782	629
Organic										
Acetone (ug/l)	9000	1800		5.2 J						
MW-201										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			927.01	926.74	926.91	926.96	926.91	926.89	929.81	926.02
ph-Field (standard units)			7.26	7.22	7.01	7.41	7.31	6.89	7.26	6.84
Specific conductance-field (umhos/cm @ 25c)			446	841	894	819	620	758	585	1231
Temperature, water (degrees centigrade)			12.2	10.1	19	11.3	6.2	10.4	6.8	11.4

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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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			925.42	926.48	926.59	926.69	926.84	926.54	928.69	925.5
ph-Field (standard units)			7.12	6.91	7.27	7.56	7.61	7.21	7.55	7.28
Specific conductance-field (umhos/cm @ 25c)			501	821	921	918	780	830	744	899
Temperature, water (degrees centigrade)			13.6	10	19.5	11.4	8.7	10.6	9.1	11.7
MW-201B										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			926.82	925.42	926.57	925.67	926.83	926.27	929.17	925.04
ph-Field (standard units)			7.5	7.1	7.8	7.93	7.96	7.64	7.9	7.71
Specific conductance-field (umhos/cm @ 25c)			321	486	464	419	390	396	362	470
Temperature, water (degrees centigrade)			12.3	9.6	18.8	12.6	7.7	11.1	8	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-203A										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			927.21	926.61	927.01	926.66	926.31	926.82	927.31	925.51
ph-Field (standard units)			7.55	7.64	7.65	7.36	7.6	7.66	7.89	7.34
Specific conductance-field (umhos/cm @ 25c)			344	741	671	673	745	733	464	767
Temperature, water (degrees centigrade)			9.3	10.4	14.3	10.3	8.9	13.8	9.8	8.9
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			319	318	328	345	351	345	351	326
Arsenic, dissolved (ug/l As)	10	1	**7.4**	**8.4**	**6**	**7.2**	**5.9**	**7.2**	**5.6**	**9.6**
Chloride, dissolved (mg/l as Cl)	250	125	32.7	32.3	34.8	37.5	35.7 M	39.2	46.3	39.5
Hardness, total, filtered (mg/l as CaCO3)			351	355	350	355	366	371	353	357

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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			7/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			927.06	926.21	926.91	927.06	927.41	926.61	926.72	926.61
ph-Field (standard units)			6.98	6.89	6.92	6.69	6.88	6.89	6.52	7.52
							6.88			
Specific conductance-field (umhos/cm @ 25c)			1514	2350	1543	1355	1568	1621	1266	829
							1568			
Temperature, water (degrees centigrade)			17.1	15.2	11.9	16.8	7.3	13	24.8	17.8
							7.3			
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			795	839	912	862	902	885	843	796
							909 M			
Arsenic, dissolved (ug/l As)	10	1	**2.5**	**2.2**	**1.8**	**2**	**1.1**	**2.4**	**1.8**	**5.1**
	10	1					**1.1**			
Chloride, dissolved (mg/l as Cl)	250	125	72.8	74.9	72.2	76.2	75.8	79.7	68.7	69.6
	250	125					76.1			
Hardness, total, filtered (mg/l as CaCO3)			861	850	871	914	878	968	825	881
							868			
Organic										
Acetone (ug/l)	9000	1800	3.8 J	6.7 J	<2.7	<8.6	<8.6	<8.6	<8.6	<8.6
	9000	1800					<8.6			
cis-1,2-Dichloroethene (ug/l)	70	7	0.3 J	0.39 J	<0.27	<0.47	<0.47	<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	**0.34 J**	**0.43 J**	**0.18 J**	**0.52 J**	**0.85 J**	**0.26 J**	**0.44 J**	<0.17
	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			7/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			926.95	925.05	927.05	926.8	927.45	926.9	926.05	925.45
ph-Field (standard units)			6.92	7.34	7.21	7.54	7.28	7.24	6.77	7.04
Specific conductance-field (umhos/cm @ 25c)			1085	1180	1138	1012	1110	1168	994	1092
Temperature, water (degrees centigrade)			13.5	10.7	13.2	13.7	9.5	11.9	26.4	18.4
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			464	460	489	462	474	478	35.8 J	446
Arsenic, dissolved (ug/l As)	10	1	**7.6**	**7**	**6.1**	**6.8**	**6.1**	**5.9**	**5.4**	**5.3**
Chloride, dissolved (mg/l as Cl)	250	125	106	108	101	111	108	**126**	121	**136**
Hardness, total, filtered (mg/l as CaCO3)			494	481	467	501	550	544	528	558
Organic										
1,1-Dichloroethane (ug/l)	850	85	6.6	5.5	5.3	5.4	4.6	4.4	4.5	4.4
1,1-Dichloroethylene (ug/l)	7	0.7	**0.87 J**	<0.61	**0.77 J**	<0.58	<1.5	<1.5	<0.58	<0.58
Benzene (ug/l)	5	0.5	**0.73 J**	<0.62	<0.62	**0.5 J**	<0.74	<0.74	0.45 J	0.48 J
Chloroethane (ug/l)	400	80	4.4 J	4.4 J	<3.4	4 J	4.6 J	4.9 J	4.4 J	4 J
cis-1,2-Dichloroethene (ug/l)	70	7	**137**	**90.3**	**109**	**102**	**105**	**119**	**100**	**148**
Tetrahydrofuran (ug/l)	50	10	<5.8	<5.8	6.3 J	2.6 J	<6	<6	4.3 J	4.6 J
trans-1,2-Dichloroethene, total (ug/l)	100	20	<1.2	<1.2	<1.2	<0.53	1.4 J	<1.3	<0.53	1.3
Trichloroethylene (ug/l)	5	0.5	**1.1 J**	<0.64	**1.1 J**	**0.75 J**	**0.88 J**	<0.8	0.35 J	0.45 J
Vinyl chloride (ug/l)	0.2	0.02	**44.9**	**110**	**37.4**	**51.6**	**63.9**	**74**	**47.3**	**104**

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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			7/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			927.08	925.28	927.28	926.78	927.73	926.68	926.44	924.78
ph-Field (standard units)			7.55	7.64	7.61	7.62	7.71	7.46	7.04	7.04
Specific conductance-field (umhos/cm @ 25c)			776	886	832	758	819	885	687	1391
Temperature, water (degrees centigrade)			14.2	12	12.4	13.1	9.1	12.7	19.8	16.4
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			275	267	282	280	301	296	279	295
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	85.4	91.4	106	104	102	117	106	119
Hardness, total, filtered (mg/l as CaCO3)			389	363	375	403	430	405	395	431
Organic										
Acetone (ug/l)	9000	1800	16.6 J	<2.7	<2.7	<8.6	8.7 J	<8.6	<8.6	<8.6
Vinyl chloride (ug/l)	0.2	0.02	**4.5**	**4**	**4.3**	**4.8**	**7.5**	**5.5**	**6.6**	**6.6**

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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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			925.67	924.67	925.62	925.69		925.62	925.02	924.72
ph-Field (standard units)			7.56	7.23	7.28	7.32	7.54	7.19	6.85	7.12
				7.23			7.54			
Specific conductance-field (umhos/cm @ 25c)			358	600	821	737	695	812	753	1234
				600			695			
Temperature, water (degrees centigrade)			9.1	14.6	15.9	15.3	10.4	13.6	16.1	16.3
				14.6			10.4			
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			369	377	377	374	363	379	315	227
				378			364			
Arsenic, dissolved (ug/l As)	10	1	0.79 J	**2.1**	0.7 J	0.62 J	**1.2**	**1 J**	0.89 J	**1.5**
	10	1		**1.7 J**			**1.3**			
Chloride, dissolved (mg/l as Cl)	250	125	46.3	46.6	52.9	44.9	41.7	43.7	36.2	43.8 B
	250	125		49.8			38.3			
Hardness, total, filtered (mg/l as CaCO3)			383	385	383	389	348	384	434	734
				393			341			
Organic										
Acetone (ug/l)	9000	1800		4.8 J		<8.6		<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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			927.59	925.59	927.24	926.89	923.57	926.74	926.49	925.74
ph-Field (standard units)			7.38	7.55	7.48	7.67	7.45	7.4	7.16	7.61
			7.38							7.61
Specific conductance-field (umhos/cm @ 25c)			444	818	1175	1056	1213	1220	862	1134
			444							1134
Temperature, water (degrees centigrade)			12.9	13.2	15.2	14.3	14.5	12.5	20.1	11.3
			12.9							11.3
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			352	359	358	358	363	372	358	355
			353							355
Arsenic, dissolved (ug/l As)	10	1	0.9 J	0.86 J	0.96 J	0.79 J	**2.3**	**1.2**	**1.1**	**1**
	10	1	**1**							**1**
Chloride, dissolved (mg/l as Cl)	250	125	**202**	**197**	**195**	**196**	**203**	**197**	**185**	**194**
	250	125	**181**							**192**
Hardness, total, filtered (mg/l as CaCO3)			542	522	495	514	677	544	508	539
			515							537
Organic										
Acetone (ug/l)	9000	1800		3.8 J		<8.6		<8.6		<8.6
	9000	1800								<8.6
cis-1,2-Dichloroethene (ug/l)	70	7		0.93 J		0.67 J		0.78 J		0.88 J
	70	7								1 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										
Methylethylketone (ug/l)	4000	800		7.1 J		<6.5		<6.5		<6.5
	4000	800								<6.5
Tetrahydrofuran (ug/l)	50	10		8.7 J		8.4 J		8 J		9.1 J
	50	10								8.1 J
Vinyl chloride (ug/l)	0.2	0.02		**40.6**		**46.9**		**36.6**		**56.8**
	0.2	0.02								**58.2**
P-422B										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			927.39	926.69	927.64	927.39	927.64	927.29	928.27	926.27
ph-Field (standard units)			7.65	7.88	7.62	7.54	7.85	7.88	7.78	8.19
Specific conductance-field (umhos/cm @ 25c)			263	418	434	370	428	455	389	450
Temperature, water (degrees centigrade)			10.4	10.7	13.1	12.3	9.6	10.8	10.6	9.2
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			216	198	215	221	222	215	227	208
Chloride, dissolved (mg/l as Cl)	250	125	9.1 J	10.4 M	8	7.8	11.1	8	10.2	13.9 B
Hardness, total, filtered (mg/l as CaCO3)			180	176	145	186	167	172	186	170

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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-003AR (LGRL)										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			927.22	926.13	926.94	927.24	927.39	927.16	928.03	926.14
ph-Field (standard units)			7.39	7.29	7.16	7.23	7.28	7.09	7.07	7.3
Specific conductance-field (umhos/cm @ 25c)			571	1218	1108	1451	1371	1683	1452	1532
Temperature, water (degrees centigrade)			8.4	14.4	10.8	10.5	8.7	10.1	9.2	12.6
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			593	605	622	600	571	623	618	582
Arsenic, dissolved (ug/l As)	10	1	**3.6**	**4.1**	**4.4**	**4.5**	**4.4**	**5.4**	**5.2**	**5.3**
Chloride, dissolved (mg/l as Cl)	250	125	**152**	**159**	**171**	**185**	121	**213**	**227**	**224**
Hardness, total, filtered (mg/l as CaCO3)			629	614	620	655	577	673	625	708
Organic										
1,1-Dichloroethane (ug/l)	850	85	16	14.3	13	15.9	10.9	13.6	10.7	13.2
1,1-Dichloroethylene (ug/l)	7	0.7	0.31 J	0.35 J	<0.58 M	<0.58	<0.58	<0.58	<0.58	<0.58
Acetone (ug/l)	9000	1800	<2.7	3.2 J	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6
Benzene (ug/l)	5	0.5	**0.93 J**	**0.82 J**	**1.2**	**1.4**	**1.1**	**1.4**	**1.7**	**1.8**
Chloroethane (ug/l)	400	80	7	8.2	3.6 J	7.3	6	7.4	7	10.3
cis-1,2-Dichloroethene (ug/l)	70	7	**37.6**	**38.2**	**32.4**	**28.4**	**24.1**	**22.8**	**22.9**	**18**
Dichlorodifluoromethane (ug/l)	1000	200	1.1 J	0.67 J	0.49 J	0.49 J	<0.46	<0.46	<0.46	<0.46
Tetrahydrofuran (ug/l)	50	10	9.1 J	8.9 J	**12.4 J**	9.2 J	9 J	**12.2 J**	**11.5 J**	**11.4 J**
trans-1,2-Dichloroethene, total (ug/l)	100	20	<0.46	0.47 J	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53

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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-003AR (LGRL)										
Trichloroethylene (ug/l)	5	0.5	0.35 J	<0.26	0.33 J	<0.32	<0.32	<0.32	<0.32	<0.32
Vinyl chloride (ug/l)	0.2	0.02	**18.4**	**18.8**	**15.3**	**15.3**	**13**	**11.7**	**19.9**	**22.5**

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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
W-003R (LGRL)										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			926.45	927.07	927.33	927.35	927.85	927.99	927.45	926.75
ph-Field (standard units)			7.35	7.04	6.9	7.2	6.79	7.05	6.92	6.92
								7.05		
Specific conductance-field (umhos/cm @ 25c)			513	1101	1076	1310	1521	1498	1225	1456
								1498		
Temperature, water (degrees centigrade)			6.9	13.6	10.9	12.1	8	11.7	8	13.9
								11.7		
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			588	681	679	743	844	820	794	826
								815 M		
Arsenic, dissolved (ug/l As)	10	1	0.86 J	**1.1**	0.84 J	0.93 J	**1**	**1.2**	0.74 J	**1.1**
	10	1						**1.3**		
Chloride, dissolved (mg/l as Cl)	250	125	79.2	86.7	81.8	82.5	69	77.5	78	68.1 B
	250	125						73.2		
Hardness, total, filtered (mg/l as CaCO3)			722	738	739	792	832	869	765	833
								873		
Organic										
Acetone (ug/l)	9000	1800	3.8 J	5.7 J	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6
	9000	1800						<8.6		
Vinyl chloride (ug/l)	0.2	0.02	**42.4**	**27.1**	**28.4**	**19.3**	**6.8**	**8.2**	**14.2**	**5**
	0.2	0.02						**8**		

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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-163 (LGRL)										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			924.35	924.62	924.98	925.23	925.29	924.8	925.26	924.03
ph-Field (standard units)			7.39	7.14	7.62	7.42	7.62	7.06	7.46	7.48
Specific conductance-field (umhos/cm @ 25c)			369	855	716	870	875	792	717	925
Temperature, water (degrees centigrade)			9	11.7	17.4	16	6.8	10.8	7.3	12.2
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			360	372	372	406	417	389	394	377
Arsenic, dissolved (ug/l As)	10	1	**1.4**	**4.7**	**19.3**	**3.3**	0.54 J	**2.5**	0.54 J	**2.3**
Chloride, dissolved (mg/l as Cl)	250	125	60.8	64.2	66.6	71.2	65.2	71.1	68.6	73.8
Hardness, total, filtered (mg/l as CaCO3)			349	535	2530	464	397	445	395	532
Organic										
Acetone (ug/l)	9000	1800	2.8 J	11.2 J		<8.6		<8.6		<8.6
Toluene (ug/l)	800	160	<0.27	0.27 J		<0.29		<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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			926.02	926.07	926.62	926.37	926.57	927.94	928.59	927.12
ph-Field (standard units)			7.52	7.34	7.64	7.63	7.79	7.29	7.82	8.19
Specific conductance-field (umhos/cm @ 25c)			331	343	410	312	345	398	353	329
Temperature, water (degrees centigrade)			14.1	9.4	13.2	12.9	7.8	10.4	9.8	13.8
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			192	175 M	218	186	183	210	211	189
Arsenic, dissolved (ug/l As)	10	1	**2.5**	**3.1**	**2.2**	**2.4**	**2.9**	**2.7**	**2**	**2.4**
Chloride, dissolved (mg/l as Cl)	250	125	3.8	2.2	10.1	3.5	3.4	5.8	6.5	4
Hardness, total, filtered (mg/l as CaCO3)			159	140	187	159	164	205	171	156
Organic										
Acetone (ug/l)	9000	1800	4.3 J	5.5 J		<8.6		<8.6		<8.6
Benzene (ug/l)	5	0.5	<0.25	<0.25		<0.3		<0.3		**0.88 J**
Toluene (ug/l)	800	160	<0.27	<0.27		<0.29		<0.29		0.61 J

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

Monitoring Wells - Bedrock	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-401D (LGRL)										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			859.05	853.48	855.42	849.25	851.95	848.2	853.36	848.45
ph-Field (standard units)			7.32	7.32	7.62	7.1	7.13	7.33	7.24	7.56
Specific conductance-field (umhos/cm @ 25c)			720	693	689	753	725	637	723	721
Temperature, water (degrees centigrade)			11.6	14.6	10.1	16.3	10.6	12.8	11	11
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			341	342	351	349	376	344	360	354
Chloride, dissolved (mg/l as Cl)	250	125	17.1	17.8	16.5	18.1	18.6	19.2	19.6	19.2
Hardness, total, filtered (mg/l as CaCO3)			273	339	285	323	295	306	351	319
Organic										
Acetone (ug/l)	9000	1800	<2.7	6.9 J	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6
cis-1,2-Dichloroethene (ug/l)	70	7	<0.27	1.8	<0.47	<0.47	<0.47	<0.47	1.1	<0.47

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B Compound detected in blank.
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M Failed method QC check.

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

Monitoring Wells - Bedrock	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-402E (LGRL)										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			858.24	853.36	855.33	849.23	851.93	847.18	853.28	848.48
ph-Field (standard units)			7.11	7.58	7.56	7.49	7.16	7.16	6.94	7.23
Specific conductance-field (umhos/cm @ 25c)			870	758	791	811	835	730	715	853
Temperature, water (degrees centigrade)			11.5	13.8	9.7	16.1	10.8	13.4	11.8	10.8
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			365	378	375	374	410	380	397	382
Chloride, dissolved (mg/l as Cl)	250	125	48.7	50.1	44.7	41.1	43.1	44.2	49.2	50.2
Hardness, total, filtered (mg/l as CaCO3)			436	484	416	462	426	453	473	434
Organic										
1,1-Dichloroethane (ug/l)	850	85	1.2 J	<0.68	0.85 J	0.82 J	<0.74	<0.74	<0.74	<0.74
1,1-Dichloroethylene (ug/l)	7	0.7	**1 J**	<0.61	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
Chloroethane (ug/l)	400	80	4.7 J	4 J	4 J	<3.4	4 J	<3.4	4.9 J	3.6 J
cis-1,2-Dichloroethene (ug/l)	70	7	**214**	**225**	**235**	**235**	**152**	**186**	**206**	**214**
trans-1,2-Dichloroethene, total (ug/l)	100	20	8.1	5.7	6.6	6.2	4.2	5.1	4.8	5.5
Trichloroethylene (ug/l)	5	0.5	**0.79 J**	**0.86 J**	<0.8	**0.85 J**	<0.8	<0.8	<0.8	<0.8
Vinyl chloride (ug/l)	0.2	0.02	**34**	**29.1**	**33.1**	**24.6**	**28.5**	**30.3**	**37.6**	**39.6**

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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 - Bedrock	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-423D										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			857.38	851.77	854.74	847.68	850.34	847.89	851.64	847.09
ph-Field (standard units)			7.44	7.42	7.58	7.36	7.28	7.48	7.2	6.94
Specific conductance-field (umhos/cm @ 25c)			836	730	796	798	836	835	737	922
Temperature, water (degrees centigrade)			12.3	15.3	12.1	12.3	10.2	14.8	11.1	11.8
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			344	358	355	365	371 M	372	373	354
Chloride, dissolved (mg/l as Cl)	250	125	44.3	41.2	47.3	45.8	53.1	37.6	46.8	30.5
Hardness, total, filtered (mg/l as CaCO3)			453	488	463	486	468	425	522	410
Organic										
1,1-Dichloroethane (ug/l)	850	85	0.6 J	0.5 J	0.39 J	0.39 J	<0.3	0.46 J	<0.3	0.4 J
Acetone (ug/l)	9000	1800	<2.7	4.5 J	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6
Chloroethane (ug/l)	400	80	2.2 J	1.4 J	<1.4	1.5 J	1.4 J	2 J	<1.4	1.9 J
cis-1,2-Dichloroethene (ug/l)	70	7	**73.1**	**76.4**	**57.3**	**55.7**	**41.1**	**52.6**	**45.3**	**62.8**
trans-1,2-Dichloroethene, total (ug/l)	100	20	3.4	3.4	2.7	2.6	2	1.9	1.9	1.6
Trichloroethylene (ug/l)	5	0.5	**0.66 J**	**0.86 J**	**0.89 J**	**0.9 J**	**0.8 J**	**0.77 J**	**0.73 J**	**0.7 J**
Vinyl chloride (ug/l)	0.2	0.02	**2.5**	**1.2**	**1.7**	**1.7**	**1.1**	**2.6**	**0.8 J**	**3.6**

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B Compound detected in blank.
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M Failed method QC check.

Attachment B

Selected GRL Solid Waste Program Monitoring Results: 2020-2023

Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-001AR (GRL)										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			928.44	926.54	928.39	925.49	928.29	928.09	929.89	927.07
ph-Field (standard units)			7.39	7.5	7.45	7.05	7.4	7.73	6.99	7.28
Specific conductance-field (umhos/cm @ 25c)		3600	812	2132	2290	2700	1996	2550	236	2500
Temperature, water (degrees centigrade)			10.2	12	17.5	12.1	11.6	20.4	12.6	13.2
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		630	501	474	509	502	526	508	501	499
		630							495	
Chloride, dissolved (mg/l as Cl)	620	620	538	543	532	534	588	570	548	557
	620	620							576	
Hardness, total, filtered (mg/l as CaCO3)		1100	695	641	711	694	689	743	746	735
		1100							830	
Organic										
1,1-Dichloroethane (ug/l)	850	85	27.8	17.7 J	16.4	17.8 J	15.3 J	19.1 J	18.3 J	14.7 J
	850	85							18.7	
1,1-Dichloroethylene (ug/l)	7	0.7	**5.8**	<4.9	<5.8	<11.6	<11.6	<11.6	<11.6	<11.6
	7	0.7							**5.4**	
1,2-Dichloroethane (ug/l)	5	0.5	**0.67 J**	<5.6	<2.9	<5.8	<5.8	<5.8	<5.8	<5.8
	5	0.5							<1.5	
Acetone (ug/l)	9000	1800	3 J	<54.8	<86.4	<173	<173	<173	<173	<173
	9000	1800							<43.2	
Benzene (ug/l)	5	0.5	**2.1**	<4.9	<3	<5.9	<5.9	<5.9	<5.9	<5.9
	5	0.5							**2.1 J**	
cis-1,2-Dichloroethene (ug/l)	70	7	**673**	**701**	**926**	**690**	**495**	**778**	**726**	**455**
	70	7							**876**	

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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
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-001AR (GRL)										
Methyl-tert-butyl ether (ug/l)	60	12	1.5 J	<24.9	<11.3	<22.6	<22.6	<22.6	<22.6	<22.6
	60	12							<5.6	
Tetrahydrofuran (ug/l)	50	10	**62.1**	<46.4	**51.1 J**	<48.4	<48.4	<48.4	<48.4	<48.4
	50	10							**44.5 J**	
trans-1,2-Dichloroethene, total (ug/l)	100	20	5.1	**20 J**	7.7 J	15.2 J	<10.6	13.9 J	<10.6	<10.6
	100	20							4.7 J	
Trichloroethylene (ug/l)	5	0.5	0.32 J	<5.1	<3.2	<6.4	<6.4	<6.4	<6.4	<6.4
	5	0.5							<1.6	
Vinyl chloride (ug/l)	0.2	0.02	**1630**	**1000**	**1780**	**1250**	**957**	**1750**	**1420**	**1430**
	0.2	0.02							**1610**	

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-001RR (GRL)										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			926.82	924.84	926.77	929.92	926.67	931.45	930.77	928.87
ph-Field (standard units)			7.02	6.92	6.92	6.89	6.92	6.64	6.69	6.79
Specific conductance-field (umhos/cm @ 25c)		1700	758	1499	1636	1651	1522	**1885**	**1977**	**1825**
Temperature, water (degrees centigrade)			9	13.5	11	13.1	9.7	15.2	12.2	15.4
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		830	**913**	**1010**	**976**	**978**	**880**	**927**	**980**	**954**
Chloride, dissolved (mg/l as Cl)	250	125	80.1	110	94.7	113	**150**	**131**	111 M	106
Hardness, total, filtered (mg/l as CaCO3)		790	**807**	**930**	**821**	**816**	**828**	**890**	**869**	**853**
Organic										
1,1-Dichloroethane (ug/l)	850	85	<0.27	0.29 J	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Acetone (ug/l)	9000	1800	<2.7	4.5 J	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6
Benzene (ug/l)	5	0.5	<0.25	0.32 J	<0.3	0.31 J	<0.3	<0.3	0.31 J	<0.3
cis-1,2-Dichloroethene (ug/l)	70	7	<0.27	**18.5**	<0.47	<0.47	<0.47	<0.47	0.69 J	<0.47
Vinyl chloride (ug/l)	0.2	0.02	**0.68 J**	**75.9**	**0.99 J**	**1.7**	<0.17	**0.29 J**	**3.2**	**1.3**

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P Did not meet required preservation and/or hold time.
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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			931.24	930.91	931.21	930.79	931.34	930.54	931.34	928.49
ph-Field (standard units)			7.04	7.34	7.02	7.21	7.18	7.04	7.16	6.91
Specific conductance-field (umhos/cm @ 25c)		2100	455	1309	990	1280	1561	1524	978	1353
Temperature, water (degrees centigrade)			9.1	10.5	13.8	11.3	8.6	11.9	9.1	10.5
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		1200	851	823	942	899	909	784	947	624
Chloride, dissolved (mg/l as Cl)	250	125	36.3 M	37.6	37.6	43.5	37.6	40.5	39.8	32.2
Hardness, total, filtered (mg/l as CaCO3)		1100	820	715	814	824	809	777	782	629
Organic										
Acetone (ug/l)	9000	1800		5.2 J		<8.6		<8.6		<8.6

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-301										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			936.03	932.58	935.47	933.25	936.63	933.34	937.02	927.43
ph-Field (standard units)			7.07	6.79	7.13	7.33	7.05	6.96	6.56	6.99
				6.79						
Specific conductance-field (umhos/cm @ 25c)		1600	918	1250	1444	**1850**	1402	**2200**	**2220**	**1614**
		1600		1250						
Temperature, water (degrees centigrade)			6.3	12	9.2	13.2	9.5	16.1	11.4	15.3
				12						
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		470	**832**	**655**	**775**	**737**	**859**	**720**	**870**	**563**
		470		**704**						
Chloride, dissolved (mg/l as Cl)	250	210	116	135	100	124	145	125	111	95.7
	250	210		137						
Hardness, total, filtered (mg/l as CaCO3)		670	**1080**	**854**	**716**	**888**	**1060**	**938**	**996**	650
		670		**894**						
Organic										
Acetone (ug/l)	9000	1800		15.1 J		<8.6		<8.6		<8.6
	9000	1800		<2.7						

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P Did not meet required preservation and/or hold time.
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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-302										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			928.61	928.58	928.61	928.83	929.39	928.63	928.91	928.53
ph-Field (standard units)			7.39	7.28	7.37	7.5	7.19	7.77	7.06	7.35
									7.06	
Specific conductance-field (umhos/cm @ 25c)		1800	589	995	865	1060	878	550	1150	1008
		1800							1150	
Temperature, water (degrees centigrade)			7.1	13.3	13.1	14.8	8.6	19.6	7.1	17.4
									7.1	
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		470	376	338	360	382	377	319	431	386
		470							429	
Chloride, dissolved (mg/l as Cl)	390	390	61.1	66.4	49.7	77.1	133	57	75.7	85.8
	390	390							73.5	
Hardness, total, filtered (mg/l as CaCO3)		880	499	459	423	487	457	288	491	471
		880							492	
Organic										
Acetone (ug/l)	9000	1800	<2.7	6.1 J	<2.7	<8.6	<8.6	<8.6	<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.
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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-304										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			935.67	935.16	935.37	934.51	935.59	935.27	936.44	933.33
ph-Field (standard units)			7.08	7.19	7.2	7.14	7.46	7.05	7.03	7.17
			7.08							
Specific conductance-field (umhos/cm @ 25c)		5000	1058	2410	3110	2130	1275	296	286	3770
		5000	1058							
Temperature, water (degrees centigrade)			7.5	14.3	11.2	13.8	7.6	15.5	6.3	18.3
			7.5							
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		670	473 M	468	262	535	474	487	474	487
		670	479							
Chloride, dissolved (mg/l as Cl)	940	940	876	906	**1220**	**940**	885	743	669	**1120**
	940	940	**945**							
Hardness, total, filtered (mg/l as CaCO3)		840	705	789	**1050**	710	811	586	617	803
		840	713							
Organic										
Acetone (ug/l)	9000	1800		6.8 J		<8.6		<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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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-306										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			941.46	940.17	940.12	939.9	941.21	940.58	942.97	938.98
ph-Field (standard units)			7.44	6.92	7.47	7.16	7.47	7.05	6.8	7.61
Specific conductance-field (umhos/cm @ 25c)		2600	710	1243	1004	1777	772	1345	1913	1886
Temperature, water (degrees centigrade)			8.1	14.1	11.5	15	8.1	15.1	6.6	20.8
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		570	375	374	369	422	358	444	348	471
Chloride, dissolved (mg/l as Cl)	600	600	429	354	389	448	102	189	398	442
Hardness, total, filtered (mg/l as CaCO3)		760	588	**784**	752	733	391	368	532	701
Organic										
Acetone (ug/l)	9000	1800	3.7 J	3.9 J	<2.7	<8.6	<8.6	<8.6	<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
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-307										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			947.93	944.06	944.03	943.31	943.12	945.06	948.08	941.62
ph-Field (standard units)			7.33	7.48	7.21	7.38	7.12	7.17	6.86	6.95
			7.33	7.48	7.21	7.38	7.47	7.17		6.95
Specific conductance-field (umhos/cm @ 25c)		2000	452	826	833	837	538	869	849	870
		2000	452	826	833	837	772	869		870
Temperature, water (degrees centigrade)			7.9	13.4	9.8	13.5	7.1	15.4	7.2	19.3
			7.9	13.4	9.8	13.5	8.1	15.4		19.3
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		590	356	368	364	374	284	405	398	387
		590	365	365	368	377	355	411		387
Chloride, dissolved (mg/l as Cl)	260	260	29.7	37	32.5	58.1	36.4	50.9	40.5	44.3
	260	260	29.5	37	33	57.1	73.3	51.4		40.9
Hardness, total, filtered (mg/l as CaCO3)		930	402	421	398	424	319	391	409	414
		930	401	402	425	425	387	393		424
Organic										
Acetone (ug/l)	9000	1800	6.5 J	3.6 J	<2.7	<8.6	<8.6	<8.6	<8.6	<8.6
	9000	1800	<2.7	14.7 J	<2.7	<8.6	<8.6	<8.6		<8.6

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

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-308										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			941.55	938.73	938.73	938.43	938.49	938.9	941.56	936.55
ph-Field (standard units)			7.64	7.34	7.21	7.61	7.18	7.27	7.46	7.35
				7.34						
Specific conductance-field (umhos/cm @ 25c)		1100	490	614	693	518	484	612	981	581
		1100		614						
Temperature, water (degrees centigrade)			6.7	11.7	15.5	13.1	8	11.9	9	12.5
				11.7						
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		470	254	292	311	316	229	255	236	331
		470		291						
Chloride, dissolved (mg/l as Cl)	250	125	24.1	8.5	8	19	34.5	13.6	9.8	7.5
	250	125		8.5						
Hardness, total, filtered (mg/l as CaCO3)		470	291	301	386	322	267	281	325	313
		470		315						
Organic										
Acetone (ug/l)	9000	1800		6.4 J		<8.6		<8.6		<8.6
	9000	1800		10.7 J						

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-310										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			948.99	944.96	944.71	943.69	943.71	945.87	949.69	940.94
ph-Field (standard units)			7.19	6.95	7.02	7	6.98	6.73	6.61	6.76
Specific conductance-field (umhos/cm @ 25c)		1900	559	1248	1130	1213	1146	1131	1180	1239
Temperature, water (degrees centigrade)			8.6	13.7	12.6	13.5	9.5	18.8	8.6	19.6
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		830	661	613	714	621	594	642	635	654 M
Chloride, dissolved (mg/l as Cl)	400	400	24.2	90.9	14.8	89	154	37.3	28.8	80
Hardness, total, filtered (mg/l as CaCO3)		1100	675	595	627	562	595	539	609	681
Organic										
Acetone (ug/l)	9000	1800		4.3 J		<8.6		<8.6		<8.6

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-403										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Comment, well obstructed						Yes				
Groundwater elevation (ft MSL)			931.07	930.17	930.57		932.97	931.03	932.25	929.67
ph-Field (standard units)			7.4	6.77	7		6.87	6.94	7.16	6.81
										6.81
Specific conductance-field (umhos/cm @ 25c)		1900	765	1623	1754		1407	1623	870	**2080**
		1900								**2080**
Temperature, water (degrees centigrade)			9.6	11.9	11.7		8.1	13.7	9.7	14.9
										14.9
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		870	**1010**	**1130**	**1140**		**1170**	**1140**	**1080**	**1060**
		870								**1070**
Chloride, dissolved (mg/l as Cl)	250	125	46.4	59	47		37.5	38.8	28.8	89.6
	250	125								95.3
Hardness, total, filtered (mg/l as CaCO3)		830	**985**	**1110**	**1030**		**979**	**1000**	**1080**	**1060**
		830								**1110**
Organic										
1,1-Dichloroethane (ug/l)	850	85	0.52 J	0.35 J	<0.3		<0.3	<0.3	<0.3	<0.3
	850	85								<0.3
Acetone (ug/l)	9000	1800	6.2 J	12.9 J	64.4		13 J	<8.6	<8.6	<8.6
	9000	1800								12.2 J
Benzene (ug/l)	5	0.5	0.36 J	**0.71 J**	0.36 J		0.39 J	**0.5 J**	0.34 J	0.38 J
	5	0.5								0.42 J
cis-1,2-Dichloroethene (ug/l)	70	7	0.56 J	<0.27	<0.47		<0.47	<0.47	<0.47	<0.47
	70	7								<0.47

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
MW-403										
Vinyl chloride (ug/l)	0.2	0.02	**0.89 J**	<0.17	<0.17		**0.5 J**	<0.17	<0.17	<0.17
	0.2	0.02								<0.17
MW-406										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			933.6	933.15	933.48	933.03	932.7	932.63	933.39	930.1
ph-Field (standard units)			7.06	6.94	6.94	6.99	7.22	6.8	7.25	7.01
								6.8		
Specific conductance-field (umhos/cm @ 25c)		1200	451	1142	923	1097	1080	**1253**	673	1144
		1200						**1253**		
Temperature, water (degrees centigrade)			7.5	11	13.9	11.9	7.8	11.2	10.6	12.7
								11.2		
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		640	**721**	**663**	**792**	**743**	**763**	**705**	**755**	134
		640						**739**		
Chloride, dissolved (mg/l as Cl)	250	125	29	21.9	23.3	24.9	20.9	4.8	16.8	21.4
	250	125						21.8		
Hardness, total, filtered (mg/l as CaCO3)		590	**718**	**717**	**870**	**778**	**732**	**630**	**667**	**672**
		590						**674**		
Organic										
Acetone (ug/l)	9000	1800	5.3 J	<2.7	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6
	9000	1800						<8.6		

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			938.75	936.67	935.82	936.37	935.22	937.2	940.36	935.92
ph-Field (standard units)			7.32	7.48	7.1	6.97	7.2	6.82	6.28	7.04
Specific conductance-field (umhos/cm @ 25c)			611	1307	809	1391	1141	1285	1470	1388
Temperature, water (degrees centigrade)			7.7	12.8	13.1	13	9.5	14.1	10.8	16.9
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			674	619	697	627	649	605	528	535
Chloride, dissolved (mg/l as Cl)	250	125	30.1	41.9	47.6	55.2	63	98.4	124	**137**
Hardness, total, filtered (mg/l as CaCO3)			831	784	841	835	764	756	828	782
Organic										
1,1,1-Trichloroethane (ug/l)	200	40		0.3 J		<0.3		0.31 J		<0.3
1,1-Dichloroethane (ug/l)	850	85		1.9		1.3		1.3 M		0.98 J
1,2-Dichloropropane (ug/l)	5	0.5		**2.7**		**2.3**		**2.4**		**2**
Chlorobenzene (ug/l)	100	20		1 J		1.1		1.1		<0.86
cis-1,2-Dichloroethene (ug/l)	70	7		**21.4**		**15.1**		**14.4**		**11.9**
Tetrachloroethylene (ug/l)	5	0.5		**1.7**		**1.6**		**1.8**		**0.89 J**
trans-1,2-Dichloroethene, total (ug/l)	100	20		0.91 J		0.55 J		0.71 J		<0.53
Trichloroethylene (ug/l)	5	0.5		**35**		**30.2**		**29.8**		**24.3**

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-301A										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			934.63	932.64	933.81	932.87	933.41	932.8	935.46	929.99
ph-Field (standard units)			6.85	7.38	7.53	7.18	7.48	7.63	7.07	7.43
Specific conductance-field (umhos/cm @ 25c)		2200	739	1174	1254	1424	1293	1506	1503	1437
Temperature, water (degrees centigrade)			8.4	10.8	11.6	16	8.4	20.8	11.1	13.7
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		540	457	437	464	456	487	463	489	466
Chloride, dissolved (mg/l as Cl)	500	500	217	181	198	258	231	176	179	320
Hardness, total, filtered (mg/l as CaCO3)		680	641	**689**	**691**	669	632	626	674	**701**
P-302A										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			929.24	928.99	929.19	929.06	930.22	929.04	929.59	928.88
ph-Field (standard units)			7.32	7.71	7.47	7.86	7.75	7.47	7.41	7.87
Specific conductance-field (umhos/cm @ 25c)		1400	409	691	653	638	506	623	637	578
Temperature, water (degrees centigrade)			8.5	13.2	12.5	12.9	9.9	20	9.3	17.5
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		480	286	264	282	292	295	296	290	281
Chloride, dissolved (mg/l as Cl)	250	240	20.1	21.9	23.8	22.9	23.3	24.2	23.5	30
Hardness, total, filtered (mg/l as CaCO3)		600	320	326	341	333	298	288	309	298
Organic										
Acetone (ug/l)	9000	1800		5.7 J		<8.6		<8.6		<8.6

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

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-306A										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			941	939.53	939.26	939.13	939.87	939.79	941.93	938.22
ph-Field (standard units)			7.37	7.47	7.64	7.63	7.62	7.72	7.69	8.1
Specific conductance-field (umhos/cm @ 25c)		1100	618	**1120**	1074	1091	1005	**1283**	**1261**	**1181**
Temperature, water (degrees centigrade)			10	11.9	12.7	12.6	9.6	13.7	8.4	18.5
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		400	288	300	300	330	327	334	339	313
Chloride, dissolved (mg/l as Cl)	250	140	**169**	**181**	**178**	**194**	**224**	**231**	**182**	**250**
Hardness, total, filtered (mg/l as CaCO3)		530	497	527	517	525	527	512	517	525

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-307A										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			947.82	944.04	943.96	943.08	942.82	945.08	947.94	941.55
ph-Field (standard units)			7.4	7.31	7.66	7.16	7.83	7.69	6.97	7.42
							7.83			
Specific conductance-field (umhos/cm @ 25c)		1800	414	852	779	848	842	799	848	855
		1800					842			
Temperature, water (degrees centigrade)			9.1	11.1	14.1	10.9	9.9	15.6	11.8	13.3
							9.9			
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		370	237	227	248	273	278	254	262	272
		370					278			
Chloride, dissolved (mg/l as Cl)	250	125	87.2	84.4	103	108	121	88.6	111	112
	250	125					120			
Hardness, total, filtered (mg/l as CaCO3)		390	**399**	**413**	**391**	**430**	382	340	**411**	**403**
		390					**396**			

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-308A										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			941.53	938.71	938.68	938.38	938.17	948.75	941.42	936.53
ph-Field (standard units)			7.4	7.28	7.19	7.01	7.06	7.23	7.27	7.31
Specific conductance-field (umhos/cm @ 25c)		1100	468	739	731	646	578	623	940	630
Temperature, water (degrees centigrade)			8.8	9.7	16.3	10.2	8.5	10.4	9.8	12.6
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		440	347	346	338	332	385	318	309	308
Chloride, dissolved (mg/l as Cl)	250	125	24.7	21.9	21.3 M	21.3	21	17.3	17.9	17.4
Hardness, total, filtered (mg/l as CaCO3)		470	399	381	414	377	342	337	357	309

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-403A										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Comment, well obstructed						Yes				
Groundwater elevation (ft MSL)			928.77	927.79	928.16		928.59	928	930.37	926.92
ph-Field (standard units)			7.45	7.11	7.04		7.05	6.87	7.29	7.02
Specific conductance-field (umhos/cm @ 25c)		2900	622	1504	1877		1411	1740	1810	1865
Temperature, water (degrees centigrade)			6.4	13.5	10.8		9.7	12.8	8.9	14.2
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		860	**950**	**909**	**977**		**1010 M**	**864**	840	**1010**
Chloride, dissolved (mg/l as Cl)	400	400	214	199	192		168	221	37.1	98.3
Hardness, total, filtered (mg/l as CaCO3)		1300	1040	1110	1080		975	946	966	981
Organic										
1,1-Dichloroethane (ug/l)	850	85	0.44 J	0.52 J	0.34 J		<0.3	0.5 J	<0.3	<0.3
Acetone (ug/l)	9000	1800	6.2 J	3.7 J	<8.6		<8.6	<8.6	<8.6	<8.6
Benzene (ug/l)	5	0.5	**0.78 J**	**1.1**	**1.1**		**0.69 J**	**1.2**	<0.3	**1.3**
cis-1,2-Dichloroethene (ug/l)	70	7	0.65 J	1.2	0.98 J		0.78 J	1.3	5.8	0.78 J
Tetrahydrofuran (ug/l)	50	10	3.6 J	2.5 J	3.5 J		<2.4	<2.4	<2.4	<2.4
Vinyl chloride (ug/l)	0.2	0.02	**0.46 J**	**1.1**	**1.3**		**1**	**2.3**	**2.1**	**1.7**

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-406A										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			932.95	932.47	932.8	932.47	932.61	932.55	933.18	931.52
ph-Field (standard units)			7.62	7.62	7.26	7.22	7.87	7.65	7.24	7.02
Specific conductance-field (umhos/cm @ 25c)		1100	343	724	634	601	664	789	428	858
Temperature, water (degrees centigrade)			9.4	10.7	15.2	12	7.9	10.1	12	10.6
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		560	353	344	348	375	384	390	382	430
Chloride, dissolved (mg/l as Cl)	250	125	19	22.3	18.2	25.5	24.3	28	21.9	47.5
Hardness, total, filtered (mg/l as CaCO3)		570	335	361	385	403	365	416	390	481
Organic										
Vinyl chloride (ug/l)	0.2	0.02	**1.2**	**2**	**1.7**	**2.6**	**1.8**	**3.5**	**2.9**	**5.9**

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
P-406B										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			933.52	933.02	933.27	933.02	933.36	933.07	933.76	932.77
ph-Field (standard units)			7.42	7.67	7.52	7.32	7.61	7.46	6.75	7.39
			7.42	7.67	7.52		7.61		6.75	
Specific conductance-field (umhos/cm @ 25c)		970	327	717	622	592	707	693	425	721
		970	327	717	622		707		425	
Temperature, water (degrees centigrade)			9.3	9.9	15.4	10.5	8	12.7	12.3	12.4
			9.3	9.9	15.4		8		12.3	
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		560	353	333	341	347	355	343	362	345
		560	351	334	340		350		361	
Chloride, dissolved (mg/l as Cl)	250	125	10.2	10.5	10.2	10.6	10.2	10.1	9	8.9
	250	125	10.2	10.5	10.2		9.8		8.8	
Hardness, total, filtered (mg/l as CaCO3)		630	376	409	433	415	377	346	407	378
		630	372	406	425		373		405	
Organic										
1,1-Dichloroethane (ug/l)	850	85	1.8	1.6	0.94 J	0.81 J	0.79 J	0.71 J	0.52 J	0.64 J
	850	85	1.9	1.6	0.86 J		0.58 J		0.56 J	
1,2-Dichloropropane (ug/l)	5	0.5	<0.28	0.45 J	<0.45	<0.45	<0.45	<0.45	<0.45	**0.53 J**
	5	0.5	0.36 J	0.48 J	<0.45		<0.45		<0.45	
Acetone (ug/l)	9000	1800	4.7 J	<2.7	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6
	9000	1800	3.8 J	10.7 J	<8.6		<8.6		<8.6	
Benzene (ug/l)	5	0.5	**1.2**	**1.2**	**1**	**0.89 J**	**0.82 J**	**0.8 J**	**0.81 J**	**0.95 J**
	5	0.5	**1.2**	**1.3**	**1 J**		**0.69 J**		**0.82 J**	
cis-1,2-Dichloroethene (ug/l)	70	7	0.51 J	0.49 J	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
	70	7	0.46 J	0.51 J	<0.47		<0.47		<0.47	

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			937.16	935.7	935.49	935.41	935.09	935.53	936.8	934.51
ph-Field (standard units)			7.55	7.59	7.62	7.26	7.68	7.48	11.5	7.48
Specific conductance-field (umhos/cm @ 25c)			459	866	612	833	828	750	886	746
Temperature, water (degrees centigrade)			10	10.7	14.3	12.9	9.2	12.8	7.15	14.6
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			372	357	357	346	372	376	371	356
Chloride, dissolved (mg/l as Cl)	250	125	29.8	30.5	31.2	30.8	32.3	32.1	36.4	36.7
Hardness, total, filtered (mg/l as CaCO3)			518	444	541	476	459	438	502	474
W-007AR										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			891.23	923.83	924.43	923.78	924.48	923.8	925.13	922.16
W-007R										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			923.61	923.6	924.23	923.65	924.8	923.51	925.19	921.91
W-008 (GRL)										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			929.94	923.44	925.06	922.79	921.72	923.08	925.77	921.52

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-008A (GRL)										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			929.44	923.19	924.85	922.69	921.55	922.96	925.6	921.43
W-009RR										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			928.72	925.77	927.22	926.87	926.45	926.95	928.07	924.92
ph-Field (standard units)			7.33	7.14	7.07	7.17	7.03	7.02	7.33	7.06
Specific conductance-field (umhos/cm @ 25c)		2100	1295	1123	1342	1285	1269	1064	675	1205
Temperature, water (degrees centigrade)			12.8	13.2	14.3	8.1	10.9	16.8	9.4	23.5
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		1200	753	661	758	764	738	748	390 M	571
Chloride, dissolved (mg/l as Cl)	250	125	28.9	33.5	36.9	33.7	36.9	35.5	10.2	29.3
Hardness, total, filtered (mg/l as CaCO3)		1300	786	747	765	809	778	742	422	578
Organic										
Benzene (ug/l)	5	0.5		<0.25		<0.3		**0.5 J**		<0.3
Tetrahydrofuran (ug/l)	50	10		**19.3 J**		**17 J**		**33**		3.8 J
Toluene (ug/l)	800	160		<0.27		<0.29		0.44 J		<0.29

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-010R										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			926.56	926.09	926.52	926.04	926.14	926.09	927.18	925.54
ph-Field (standard units)			7.29	7.3	6.99	7.55	7.43	7.12	7.39	6.97
Specific conductance-field (umhos/cm @ 25c)		2100	1371	1290	1093	1062	770	1048	608	1307
Temperature, water (degrees centigrade)			8.9	12.5	10.6	13.5	8.6	13.3	10.7	17.8
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		950	690	654	551	523	417	607	419	684
Chloride, dissolved (mg/l as Cl)	250	125	32.5	39.2	18.1 M	21.4	14.4	23.9	6	43.4
Hardness, total, filtered (mg/l as CaCO3)		960	822	855	527	522	453	756	468	841
Organic										
cis-1,2-Dichloroethene (ug/l)	70	7		4.5		1.7		2.9		**8.9**
W-038										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Comment, well broken										Yes
Comment, well dry					Yes					
Comment, well frozen							Yes			
Groundwater elevation (ft MSL)			921.8	921.85		921.9		921.72	922.75	

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-152R										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			939.08	937.03	938.7	938.33	938.38	937.53	939.86	936.08
ph-Field (standard units)			7.62	7.54	7.31	7.62	7.67	7.43	7.61	7.64
										7.64
Specific conductance-field (umhos/cm @ 25c)			706	630	675	681	598	564	479	659
										659
Temperature, water (degrees centigrade)			9.2	14.4	9	16	7.9	12.9	9.5	15.9
										15.9
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)			395	377	378	363	344	337	389	369
										369
Chloride, dissolved (mg/l as Cl)	250	125	3.5	8.2	2.8	25.5	20.1	9	3.5	19.2
	250	125								18.4
Hardness, total, filtered (mg/l as CaCO3)			412	438	318	423	340	734	396	380
										390
Organic										
Acetone (ug/l)	9000	1800		2.9 J		<8.6		<8.6		<8.6
	9000	1800								<8.6

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-153 (GRL)										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			936.31	933.89	936.59	934.64	936.09	934.25	937.84	929.46
ph-Field (standard units)			7.16	6.96	6.88	7.06	7.03	6.8	7.03	7.04
Specific conductance-field (umhos/cm @ 25c)		1700	1339	1216	1330	1168	1033	998	820	1121
Temperature, water (degrees centigrade)			7.6	13.7	9.9	12.6	8.2	13.8	5.6	15.4
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		950	767	688	682	668	618	640	702	522
Chloride, dissolved (mg/l as Cl)	250	125	17.5	32	11.4	26.8	14.2	13.2	6.8	40.4
Hardness, total, filtered (mg/l as CaCO3)		1200	878	828	700	774	647	620	725	649
W-153A (GRL)										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			935.86	933.71	935.49	934.01	934.46	933.8	936.38	929.4
ph-Field (standard units)			7.56	7.21	7.29	7.22	7.57	7.35	7.35	7.73
Specific conductance-field (umhos/cm @ 25c)		1100	1020	915	919	890	899	797	680	796
Temperature, water (degrees centigrade)			7.2	11.4	11.7	12.8	8.9	11.4	9.9	14.7
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		600	560	495	522	521	537	516	497	456
Chloride, dissolved (mg/l as Cl)	250	125	13.3	14.2	11.9	12.3	6.5	8.3	10.9	11.6
Hardness, total, filtered (mg/l as CaCO3)		700	627	587	454	558	533	476	499	457

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-154 (GRL)										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			941.98	937.58	940.23	937.53	937.38	937.86	941.63	933.59
ph-Field (standard units)			7.46	7.03	7.06	7.23	7.06	7.03	7.05	7.15
Specific conductance-field (umhos/cm @ 25c)		1500	1335	1286	1288	1303	1314	1190	976	1180
Temperature, water (degrees centigrade)			8.1	12.1	13.2	13	10.6	13.9	11.2	13.1
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		950	647	628	659	670	677	681	656	619
Chloride, dissolved (mg/l as Cl)	250	125	69.7	74.7	75.1	74.9	76.8	66.9	65.6	63.2
Hardness, total, filtered (mg/l as CaCO3)		1100	843	848	666	840	760	731	784	725
Organic										
Acetone (ug/l)	9000	1800		4.2 J		<8.6		<8.6		<8.6
Tetrahydrofuran (ug/l)	50	10		4.4 J		<2.4		<2.4		<2.4

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			925.21	924.06	925.98	924.66	926.31	925.26	926.71	923.96
ph-Field (standard units)			7.57	6.94	7.01	7.51	6.92	6.75	6.96	7.04
Specific conductance-field (umhos/cm @ 25c)		800	**855**	**965**	**897**	**948**	**932**	**869**	789	**860**
Temperature, water (degrees centigrade)			6.5	13.7	10.3	14.3	8.1	15.5	11.4	12.1
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		440	**488**	**536**	**535**	**562**	**553**	**596**	**518**	**521**
Chloride, dissolved (mg/l as Cl)	250	125	2.3	2.1	2.3	2.1	2.9	2.1	1.2 J	2.1
Hardness, total, filtered (mg/l as CaCO3)		500	**512**	**601**	436	**620**	**553**	**543**	**526**	**522**
Organic										
Acetone (ug/l)	9000	1800	8.2 J	<2.7	<8.6	20.3 J	<8.6	<8.6	<8.6	<8.6

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			925.5	925.2	926.05	925.1	926.55	925.31	927.08	923.79
ph-Field (standard units)			7.59	7.29	7.06	7.46	7.44	7.09	7.26	7.35
Specific conductance-field (umhos/cm @ 25c)		1100	730	880	820	886	678	778	570	773
Temperature, water (degrees centigrade)			9.2	12.9	10.5	11.8	8.3	15.3	11.8	21.9
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		500	474	471	464	**528**	377	489	461	493
Chloride, dissolved (mg/l as Cl)	250	125	1.8 J	7.1	2.5	8	3.9	7.5	1.9 J	8.7
Hardness, total, filtered (mg/l as CaCO3)		640	528	566	386	558	368	490	442	548
Organic										
Acetone (ug/l)	9000	1800		14.6 J		<8.6		<8.6		<8.6

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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
Glacier Ridge Landfill

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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			925.52	925.18	925.92	925.12	926.92	925.42	928.22	923.79
ph-Field (standard units)			7.34	7.37	7.39	7.48	7.33	7.18	7.46	7.7
						7.48	7.33			
Specific conductance-field (umhos/cm @ 25c)		720	664	671	685	692	671	638	480	610
		720				692	671			
Temperature, water (degrees centigrade)			9.8	11.8	11.1	9.6	9.6	13.6	12.5	17.3
						9.6	9.6			
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		430	355	353	366	361	388	423	343	335
		430				360	382			
Chloride, dissolved (mg/l as Cl)	250	125	3.1	4.3	4.1	5.1	4	3.4	3.8	5.6
	250	125				5.1	4.4			
Hardness, total, filtered (mg/l as CaCO3)		440	387	391	319	396	395	**441**	361	357
		440				396	387			
Organic										
Acetone (ug/l)	9000	1800		<2.7		9.9 J		<8.6		<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.
P Did not meet required preservation and/or hold time.
M Failed method QC check.

Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-160R										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			928.34	926.02	927.09	926.89	926.79	926.99	928.18	925.86
ph-Field (standard units)			7.69	7.58	7.43	7.59	7.48	7.44	7.52	7.95
Specific conductance-field (umhos/cm @ 25c)		2000	1033	977	941	1078	846	893	774	775
Temperature, water (degrees centigrade)			9.2	15.4	13.3	14.7	9.2	13.2	10.1	25.9
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		1100	487	485	480	507	416	495	505	371
Chloride, dissolved (mg/l as Cl)	250	125	59.4	44	40.8	54.8	44	35.9	30.5	32.8
Hardness, total, filtered (mg/l as CaCO3)		1100	553	624	558	605	450	565	613	409
Organic										
Acetone (ug/l)	9000	1800	4 J	12.3 J	<2.7	<8.6	<8.6	<8.6	<8.6	<8.6
Toluene (ug/l)	800	160	<0.27	<0.27	<0.27	0.68 J	<0.29	<0.29	0.42 J	<0.29

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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
Glacier Ridge Landfill

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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			926.36	925.86	924.76	925.71	924.16	925.01	925.96	921.89
ph-Field (standard units)			7.71	6.99	6.97	7.15	7.24	7.07	6.82	7.29
					6.97					
Specific conductance-field (umhos/cm @ 25c)		1100	**1186**	1058	**1220**	**1103**	**1325**	**1170**	**1356**	**1243**
		1100			**1270**					
Temperature, water (degrees centigrade)			9.5	12.7	13.2	14.2	10.4	13.2	9.3	18.3
					13.2					
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		740	559	517	575	647	701	627	595	631
		740			592					
Chloride, dissolved (mg/l as Cl)	250	125	28.6	35.9	60.6	59.6	80.4	56.9	74.6	74.1
	250	125			56.7					
Hardness, total, filtered (mg/l as CaCO3)		640	**734**	**694**	**682**	**811**	**787**	**725**	**785**	**698**
		640			**680**					
Organic										
1,1-Dichloroethane (ug/l)	850	85		<0.27		<0.3		<0.3		0.73 J
cis-1,2-Dichloroethene (ug/l)	70	7		1.3		<0.47		0.57 J		1.3
Vinyl chloride (ug/l)	0.2	0.02		<0.17		**0.64 J**		**0.28 J**		<0.17

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

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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			924.35	924.62	924.98	925.23	925.29	924.8	925.26	924.03
ph-Field (standard units)			7.39	7.14	7.62	7.42	7.62	7.06	7.46	7.48
Specific conductance-field (umhos/cm @ 25c)		1400	369	855	716	870	875	792	717	925
Temperature, water (degrees centigrade)			9	11.7	17.4	16	6.8	10.8	7.3	12.2
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		520	360	372	372	406	417	389	394	377
Chloride, dissolved (mg/l as Cl)	250	140	60.8	64.2	66.6	71.2	65.2	71.1	68.6	73.8
Hardness, total, filtered (mg/l as CaCO3)		790	349	535	**2530**	464	397	445	395	532
Organic										
Acetone (ug/l)	9000	1800	2.8 J	11.2 J	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6
Toluene (ug/l)	800	160	<0.27	0.27 J	<0.29	<0.29	<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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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
Glacier Ridge Landfill

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			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			926.02	926.07	926.62	926.37	926.57	927.94	928.59	927.12
ph-Field (standard units)			7.52	7.34	7.64	7.63	7.79	7.29	7.82	8.19
Specific conductance-field (umhos/cm @ 25c)		760	331	343	410	312	345	398	353	329
Temperature, water (degrees centigrade)			14.1	9.4	13.2	12.9	7.8	10.4	9.8	13.8
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		320	192	175 M	218	186	183	210	211	189
Chloride, dissolved (mg/l as Cl)	250	125	3.8	2.2	10.1	3.5	3.4	5.8	6.5	4
Hardness, total, filtered (mg/l as CaCO3)		360	159	140	187	159	164	205	171	156
Organic										
Acetone (ug/l)	9000	1800	4.3 J	5.5 J	<8.6	<8.6	<8.6	<8.6	<8.6	<8.6
Benzene (ug/l)	5	0.5	<0.25	<0.25	<0.3	<0.3	<0.3	<0.3	<0.3	**0.88 J**
Toluene (ug/l)	800	160	<0.27	<0.27	<0.29	<0.29	<0.29	<0.29	<0.29	0.61 J

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-164										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			926.19	928.57	929.54	927.89	928.11	927.45	930.69	923.25
ph-Field (standard units)			7.69	7.56	7.36	7.53	7.36	7.17	7.4	7.38
Specific conductance-field (umhos/cm @ 25c)		1200	780	718	897	679	731	662	513	698
Temperature, water (degrees centigrade)			8.5	13.5	9.7	13.8	7	14.9	5.4	15.7
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		510	377	358	366	333	356	348	329	356
Chloride, dissolved (mg/l as Cl)	250	125	32.4	35.7	47.3	33.4	32.8	35.2	33.1	33.3
Hardness, total, filtered (mg/l as CaCO3)		720	403	426	411	371	366	322	343	352

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-164A										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			932	928.68	929.53	927.9	928.05	927.5	930.88	922.64
ph-Field (standard units)			7.74	7.6	7.67	7.41	7.6	7.49	7.52	7.61
									7.52	7.61
Specific conductance-field (umhos/cm @ 25c)		920	612	627	611	554	602	538	410	593
		920							410	593
Temperature, water (degrees centigrade)			7.8	11.5	10.5	14.5	8.9	11.9	12.4	14.2
									12.4	14.2
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		470	328	329	338	342	346	353	346	328
		470							316	333
Chloride, dissolved (mg/l as Cl)	250	125	7.4	9.9	8.2	11.1	10.8 M	10.4	11.3	13.2
	250	125							11.2	13.7
Hardness, total, filtered (mg/l as CaCO3)		510	345	363	275	356	336	315	349	321
		510							350	323

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-165										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			922.38	922.78	922.95	923.08	923.48	922.7	923.4	920.88
ph-Field (standard units)			7.53	7.58	7.41	7.25	7.23	6.94	7.58	7.03
Specific conductance-field (umhos/cm @ 25c)		820	**981**	731	**910**	**840**	816	**955**	788	**979**
Temperature, water (degrees centigrade)			9	16.1	16.3	13.2	8.3	13	8.2	12.4
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		430	**491**	**676**	**491**	**769**	**544**	**674**	**554**	**1510**
Chloride, dissolved (mg/l as Cl)	250	125	19.9	23.7	20	21.8	18	14.4	20.3	12.9
Hardness, total, filtered (mg/l as CaCO3)		460	**591**	**914**	**500**	**969**	**670**	**801**	**651**	**759**
Organic										
Acetone (ug/l)	9000	1800		2.9 J		<8.6		<8.6		<8.6
Benzene (ug/l)	5	0.5		<0.25		<0.3		**1.3**		<0.3
Toluene (ug/l)	800	160		<0.27		<0.29		0.86 J		<0.29

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Historic Monitoring Results - Last 8 Events
Glacier Ridge Landfill

Monitoring Wells	ES	PAL	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7	Event 8
W-165A										
Reporting Period			4/1/2020	10/1/2020	4/1/2021	10/1/2021	4/1/2022	10/1/2022	4/1/2023	10/1/2023
Field										
Groundwater elevation (ft MSL)			923.96	923.14	923.32	923.22	923.47	922.92	923.91	920.97
ph-Field (standard units)			7.66	7.74	7.68	7.62	7.84	7.76	7.84	7.7
Specific conductance-field (umhos/cm @ 25c)		770	535	558	541	506	448	482	365	538
Temperature, water (degrees centigrade)			9.6	15.9	17	12.2	9.5	11.2	9.3	11.6
Inorganic										
Alkalinity, total filtered (mg/l as CaCO3)		410	304	293	306	305	310	303	313	299
Chloride, dissolved (mg/l as Cl)	250	125	1.5 J	1.2 J	1.1 J	1.2 J	1.1 J	1.5 J	0.93 J	1.5 J
Hardness, total, filtered (mg/l as CaCO3)		400	316	323	241	316	285	293	326	297
Organic										
Acetone (ug/l)	9000	1800		<2.7		20.2 J		<8.6		<8.6

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M Failed method QC check.

Attachment C

Investigation Laboratory Reports (April, June, and October 2023)

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

May 16, 2023

Lonn Walter
GFL Enviromental
N7296 Hwy V
Horicon, WI 53032

RE: Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Dear Lonn Walter:

Enclosed are the analytical results for sample(s) received by the laboratory between April 07, 2023 and May 15, 2023. 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
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

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.: 40261166

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40261166001	**P-423D**	Water	04/21/23 10:20	04/22/23 08:20
40261166002	**P-424D**	Water	04/21/23 13:00	04/22/23 08:20
40261166003	**P-424SS**	Water	04/21/23 14:45	04/22/23 08:20
40261166004	**P-426D**	Water	04/21/23 11:00	04/22/23 08:20
40261166005	**P-426SS**	Water	04/21/23 12:25	04/22/23 08:20
40261166006	**P-430D**	Water	04/21/23 15:45	04/22/23 08:20
40261166007	**TRIP BLANK**	Water	04/21/23 00:00	04/22/23 08:20
40260438007	**MW-1B**	Water	04/06/23 13:15	04/07/23 08:30
40261252001	**P-401D**	Water	04/24/23 11:25	04/25/23 09:30
40261252002	**P-402E**	Water	04/24/23 11:00	04/25/23 09:30
40261252003	**P-422B**	Water	04/24/23 13:30	04/25/23 09:30
40261252004	**TRIP BLANK**	Water	04/24/23 00:00	04/25/23 09:30
40261166013	**P-401D**	Water	04/03/23 00:00	05/15/23 08:18
40261166014	**P-402E**	Water	04/03/23 00:00	05/15/23 08:18
40261166015	**P-422B**	Water	04/03/23 00:00	05/15/23 08:18
40261166016	**P-423D**	Water	04/03/23 00:00	05/15/23 08:18
40261166017	**P-424D**	Water	04/03/23 00:00	05/15/23 08:18
40261166018	**P-424SS**	Water	04/03/23 00:00	05/15/23 08:18
40261166019	**P-426D**	Water	04/03/23 00:00	05/15/23 08:18
40261166020	**P-426SS**	Water	04/03/23 00:00	05/15/23 08:18
40261166021	**P-429SS**	Water	04/03/23 00:00	05/15/23 08:18
40261166022	**P-430D**	Water	04/03/23 00:00	05/15/23 08:18
40261166023	**MW-1B**	Water	04/03/23 00:00	05/15/23 08:18

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

SAMPLE ANALYTE COUNT

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40261166001	**P-423D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	CXJ	45	PASI-G
			AG1	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40261166002	**P-424D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	CXJ	45	PASI-G
			AG1	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40261166003	**P-424SS**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	CXJ	45	PASI-G
			AG1	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40261166004	**P-426D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	CXJ	45	PASI-G
			AG1	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40261166005	**P-426SS**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	CXJ	45	PASI-G
			AG1	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40261166006	**P-430D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	CXJ	45	PASI-G
			AG1	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40261166007	**TRIP BLANK**	EPA 8260	CXJ	45	PASI-G
40260438007	**MW-1B**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AG1	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40261252001	**P-401D**	EPA 6010D	SIS	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	EIB	45	PASI-G
			AG1	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40261252002	**P-402E**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AG1	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40261252003	**P-422B**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AG1	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	DAW	1	PASI-G
40261252004	**TRIP BLANK**	EPA 8260	EIB	45	PASI-G
40261166013	**P-401D**		AG1	1	PASI-G
40261166014	**P-402E**		AG1	1	PASI-G
40261166015	**P-422B**		AG1	1	PASI-G
40261166016	**P-423D**		AG1	1	PASI-G
40261166017	**P-424D**		AG1	1	PASI-G
40261166018	**P-424SS**		AG1	1	PASI-G
40261166019	**P-426D**		AG1	1	PASI-G
40261166020	**P-426SS**		AG1	1	PASI-G
40261166021	**P-429SS**		AG1	1	PASI-G
40261166022	**P-430D**		AG1	1	PASI-G
40261166023	**MW-1B**		AG1	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-423D **Lab ID: 40261166001** Collected: 04/21/23 10:20 Received: 04/22/23 08:20 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	**522000**	ug/L	5400	1000	1		04/24/23 16:46		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/25/23 19:36	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/25/23 19:36	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/25/23 19:36	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/25/23 19:36	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/25/23 19:36	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/25/23 19:36	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 19:36	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/25/23 19:36	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/25/23 19:36	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/25/23 19:36	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/25/23 19:36	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/25/23 19:36	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/25/23 19:36	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/25/23 19:36	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 19:36	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/25/23 19:36	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/25/23 19:36	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		04/25/23 19:36	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/25/23 19:36	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/25/23 19:36	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/25/23 19:36	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/25/23 19:36	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/25/23 19:36	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/25/23 19:36	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/25/23 19:36	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/25/23 19:36	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 19:36	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/25/23 19:36	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/25/23 19:36	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/25/23 19:36	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/25/23 19:36	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/25/23 19:36	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/25/23 19:36	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/25/23 19:36	108-88-3	
Trichloroethene	**0.73J**	ug/L	1.0	0.32	1		04/25/23 19:36	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 19:36	75-69-4	
Vinyl chloride	**0.80J**	ug/L	1.0	0.17	1		04/25/23 19:36	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/25/23 19:36	1330-20-7	
cis-1,2-Dichloroethene	**45.3**	ug/L	1.0	0.47	1		04/25/23 19:36	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/25/23 19:36	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-423D **Lab ID: 40261166001** Collected: 04/21/23 10:20 Received: 04/22/23 08:20 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		04/25/23 19:36	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/25/23 19:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/25/23 19:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/25/23 19:36	2199-69-1	
Toluene-d8 (S)	94	%	70-130		1		04/25/23 19:36	2037-26-5	
Field Data	Analytical Method: Pace Analytical Services - Green Bay								
Field pH	**7.20**	Std. Units			1		04/21/23 10:20		
Field Specific Conductance	**737**	umhos/cm			1		04/21/23 10:20		
Turbidity	**N**	NTU			1		04/21/23 10:20		
Apparent Color	**N**	no units			1		04/21/23 10:20		
Odor	**N**	no units			1		04/21/23 10:20		
Temperature, Water (C)	**11.1**	deg C			1		04/21/23 10:20		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride, Dissolved	**46.8**	mg/L	2.0	0.43	1		05/02/23 18:57	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**373**	mg/L	25.0	7.4	1		05/01/23 12:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-424D **Lab ID: 40261166002** Collected: 04/21/23 13:00 Received: 04/22/23 08:20 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	**493000**	ug/L	5400	1000	1		04/24/23 16:48		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/25/23 19:55	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/25/23 19:55	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/25/23 19:55	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/25/23 19:55	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/25/23 19:55	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/25/23 19:55	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 19:55	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/25/23 19:55	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/25/23 19:55	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/25/23 19:55	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/25/23 19:55	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/25/23 19:55	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/25/23 19:55	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/25/23 19:55	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 19:55	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/25/23 19:55	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/25/23 19:55	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		04/25/23 19:55	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/25/23 19:55	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/25/23 19:55	108-90-7	
Chloroethane	**1.4J**	ug/L	5.0	1.4	1		04/25/23 19:55	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/25/23 19:55	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/25/23 19:55	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/25/23 19:55	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/25/23 19:55	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/25/23 19:55	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 19:55	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/25/23 19:55	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/25/23 19:55	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/25/23 19:55	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/25/23 19:55	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/25/23 19:55	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/25/23 19:55	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/25/23 19:55	108-88-3	
Trichloroethene	**1.4**	ug/L	1.0	0.32	1		04/25/23 19:55	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 19:55	75-69-4	
Vinyl chloride	**4.5**	ug/L	1.0	0.17	1		04/25/23 19:55	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/25/23 19:55	1330-20-7	
cis-1,2-Dichloroethene	**75.7**	ug/L	1.0	0.47	1		04/25/23 19:55	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/25/23 19:55	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-424D **Lab ID: 40261166002** Collected: 04/21/23 13:00 Received: 04/22/23 08:20 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	**2.3**	ug/L	1.0	0.53	1		04/25/23 19:55	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/25/23 19:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/25/23 19:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		04/25/23 19:55	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		04/25/23 19:55	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.33**	Std. Units			1		04/21/23 13:00		
Field Specific Conductance	**711**	umhos/cm			1		04/21/23 13:00		
Turbidity	**N**	NTU			1		04/21/23 13:00		
Apparent Color	**N**	no units			1		04/21/23 13:00		
Odor	**N**	no units			1		04/21/23 13:00		
Temperature, Water (C)	**14.5**	deg C			1		04/21/23 13:00		
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		05/02/23 19:12	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**385**	mg/L	25.0	7.4	1		05/01/23 12:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-424SS **Lab ID: 40261166003** Collected: 04/21/23 14:45 Received: 04/22/23 08:20 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	**345000**	ug/L	5400	1000	1		04/24/23 16:50		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/25/23 16:30	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/25/23 16:30	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/25/23 16:30	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/25/23 16:30	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/25/23 16:30	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/25/23 16:30	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 16:30	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/25/23 16:30	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/25/23 16:30	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/25/23 16:30	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/25/23 16:30	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/25/23 16:30	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/25/23 16:30	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/25/23 16:30	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 16:30	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/25/23 16:30	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/25/23 16:30	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		04/25/23 16:30	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/25/23 16:30	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/25/23 16:30	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/25/23 16:30	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/25/23 16:30	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/25/23 16:30	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/25/23 16:30	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/25/23 16:30	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/25/23 16:30	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 16:30	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/25/23 16:30	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/25/23 16:30	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/25/23 16:30	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/25/23 16:30	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/25/23 16:30	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/25/23 16:30	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/25/23 16:30	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/25/23 16:30	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 16:30	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/25/23 16:30	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/25/23 16:30	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/25/23 16:30	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/25/23 16:30	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.: 40261166

Sample: P-424SS **Lab ID: 40261166003** Collected: 04/21/23 14:45 Received: 04/22/23 08:20 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		04/25/23 16:30	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/25/23 16:30	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/25/23 16:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/25/23 16:30	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		04/25/23 16:30	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.41**	Std. Units			1		04/21/23 14:45		
Field Specific Conductance	**465**	umhos/cm			1		04/21/23 14:45		
Turbidity	**N**	NTU			1		04/21/23 14:45		
Apparent Color	**N**	no units			1		04/21/23 14:45		
Odor	**N**	no units			1		04/21/23 14:45		
Temperature, Water (C)	**13.7**	deg C			1		04/21/23 14:45		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**0.88J**	mg/L	2.0	0.43	1		05/02/23 19:26	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**322**	mg/L	25.0	7.4	1		05/01/23 12:18		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-426D **Lab ID: 40261166004** Collected: 04/21/23 11:00 Received: 04/22/23 08:20 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	**531000**	ug/L	5400	1000	1		04/24/23 16:56		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/25/23 16:48	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/25/23 16:48	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/25/23 16:48	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/25/23 16:48	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/25/23 16:48	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/25/23 16:48	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 16:48	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/25/23 16:48	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/25/23 16:48	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/25/23 16:48	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/25/23 16:48	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/25/23 16:48	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/25/23 16:48	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/25/23 16:48	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 16:48	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/25/23 16:48	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/25/23 16:48	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		04/25/23 16:48	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/25/23 16:48	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/25/23 16:48	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/25/23 16:48	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/25/23 16:48	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/25/23 16:48	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/25/23 16:48	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/25/23 16:48	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/25/23 16:48	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 16:48	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/25/23 16:48	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/25/23 16:48	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/25/23 16:48	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/25/23 16:48	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/25/23 16:48	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/25/23 16:48	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/25/23 16:48	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/25/23 16:48	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 16:48	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/25/23 16:48	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/25/23 16:48	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/25/23 16:48	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/25/23 16:48	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.: 40261166

Sample: P-426D **Lab ID: 40261166004** Collected: 04/21/23 11:00 Received: 04/22/23 08:20 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		04/25/23 16:48	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/25/23 16:48	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/25/23 16:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		04/25/23 16:48	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		04/25/23 16:48	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.3**	Std. Units			1		04/21/23 11:00		
Field Specific Conductance	**745**	umhos/cm			1		04/21/23 11:00		
Turbidity	**N**	NTU			1		04/21/23 11:00		
Apparent Color	**N**	no units			1		04/21/23 11:00		
Odor	**N**	no units			1		04/21/23 11:00		
Temperature, Water (C)	**12.4**	deg C			1		04/21/23 11:00		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**48.0**	mg/L	10.0	2.2	5		05/02/23 19:41	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		05/01/23 12:20		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-426SS **Lab ID: 40261166005** Collected: 04/21/23 12:25 Received: 04/22/23 08:20 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	**504000**	ug/L	5400	1000	1		04/24/23 16:58		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/25/23 17:07	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/25/23 17:07	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/25/23 17:07	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/25/23 17:07	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/25/23 17:07	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/25/23 17:07	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 17:07	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/25/23 17:07	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/25/23 17:07	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/25/23 17:07	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/25/23 17:07	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/25/23 17:07	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/25/23 17:07	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/25/23 17:07	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 17:07	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/25/23 17:07	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/25/23 17:07	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		04/25/23 17:07	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/25/23 17:07	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/25/23 17:07	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/25/23 17:07	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/25/23 17:07	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/25/23 17:07	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/25/23 17:07	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/25/23 17:07	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/25/23 17:07	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 17:07	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/25/23 17:07	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/25/23 17:07	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/25/23 17:07	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/25/23 17:07	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/25/23 17:07	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/25/23 17:07	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/25/23 17:07	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/25/23 17:07	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 17:07	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/25/23 17:07	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/25/23 17:07	1330-20-7	
cis-1,2-Dichloroethene	**1.9**	ug/L	1.0	0.47	1		04/25/23 17:07	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/25/23 17:07	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-426SS **Lab ID: 40261166005** Collected: 04/21/23 12:25 Received: 04/22/23 08:20 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		04/25/23 17:07	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/25/23 17:07	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/25/23 17:07	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		04/25/23 17:07	2199-69-1	
Toluene-d8 (S)	93	%	70-130		1		04/25/23 17:07	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.18**	Std. Units			1		04/21/23 12:25		
Field Specific Conductance	**703**	umhos/cm			1		04/21/23 12:25		
Turbidity	**N**	NTU			1		04/21/23 12:25		
Apparent Color	**N**	no units			1		04/21/23 12:25		
Odor	**N**	no units			1		04/21/23 12:25		
Temperature, Water (C)	**14.3**	deg C			1		04/21/23 12:25		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**28.5**	mg/L	2.0	0.43	1		05/02/23 19:56	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**373**	mg/L	25.0	7.4	1		05/01/23 12:21		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-430D **Lab ID: 40261166006** Collected: 04/21/23 15:45 Received: 04/22/23 08:20 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	5400	1000	1		04/24/23 17:00		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/25/23 17:25	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/25/23 17:25	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/25/23 17:25	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/25/23 17:25	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/25/23 17:25	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/25/23 17:25	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 17:25	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/25/23 17:25	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/25/23 17:25	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/25/23 17:25	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/25/23 17:25	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/25/23 17:25	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/25/23 17:25	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/25/23 17:25	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 17:25	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/25/23 17:25	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/25/23 17:25	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		04/25/23 17:25	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/25/23 17:25	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/25/23 17:25	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/25/23 17:25	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/25/23 17:25	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/25/23 17:25	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/25/23 17:25	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/25/23 17:25	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/25/23 17:25	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 17:25	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/25/23 17:25	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/25/23 17:25	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/25/23 17:25	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/25/23 17:25	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/25/23 17:25	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/25/23 17:25	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/25/23 17:25	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/25/23 17:25	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 17:25	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/25/23 17:25	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/25/23 17:25	1330-20-7	
cis-1,2-Dichloroethene	**13.2**	ug/L	1.0	0.47	1		04/25/23 17:25	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/25/23 17:25	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.: 40261166

Sample: P-430D **Lab ID: 40261166006** Collected: 04/21/23 15:45 Received: 04/22/23 08:20 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	**0.66J**	ug/L	1.0	0.53	1		04/25/23 17:25	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/25/23 17:25	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/25/23 17:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/25/23 17:25	2199-69-1	
Toluene-d8 (S)	92	%	70-130		1		04/25/23 17:25	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.34**	Std. Units			1		04/21/23 15:45		
Field Specific Conductance	**632**	umhos/cm			1		04/21/23 15:45		
Turbidity	**N**	NTU			1		04/21/23 15:45		
Apparent Color	**N**	no units			1		04/21/23 15:45		
Odor	**N**	no units			1		04/21/23 15:45		
Temperature, Water (C)	**13.7**	deg C			1		04/21/23 15:45		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**22.1**	mg/L	2.0	0.43	1		05/02/23 20:11	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**361**	mg/L	50.0	14.9	2		05/01/23 12:25		M0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: TRIP BLANK **Lab ID: 40261166007** Collected: 04/21/23 00:00 Received: 04/22/23 08:20 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		04/25/23 14:01	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/25/23 14:01	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/25/23 14:01	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/25/23 14:01	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/25/23 14:01	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/25/23 14:01	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 14:01	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/25/23 14:01	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/25/23 14:01	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/25/23 14:01	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/25/23 14:01	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/25/23 14:01	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/25/23 14:01	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/25/23 14:01	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 14:01	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/25/23 14:01	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/25/23 14:01	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		04/25/23 14:01	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/25/23 14:01	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/25/23 14:01	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/25/23 14:01	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/25/23 14:01	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/25/23 14:01	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/25/23 14:01	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/25/23 14:01	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/25/23 14:01	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/25/23 14:01	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/25/23 14:01	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/25/23 14:01	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/25/23 14:01	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/25/23 14:01	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/25/23 14:01	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/25/23 14:01	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/25/23 14:01	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/25/23 14:01	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/25/23 14:01	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/25/23 14:01	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/25/23 14:01	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/25/23 14:01	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/25/23 14:01	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/25/23 14:01	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/25/23 14:01	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/25/23 14:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/25/23 14:01	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.: 40261166

Sample: TRIP BLANK **Lab ID: 40261166007** Collected: 04/21/23 00:00 Received: 04/22/23 08:20 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)	93	%	70-130		1		04/25/23 14:01	2037-26-5	HS

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: MW-1B **Lab ID: 40260438007** Collected: 04/06/23 13:15 Received: 04/07/23 08:30 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	**380000**	ug/L	5400	1000	1		04/10/23 17:39		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/23 20:59	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/12/23 20:59	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/12/23 20:59	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/12/23 20:59	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/12/23 20:59	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/12/23 20:59	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/23 20:59	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/12/23 20:59	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/12/23 20:59	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/12/23 20:59	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/12/23 20:59	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/12/23 20:59	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/12/23 20:59	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/12/23 20:59	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/23 20:59	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/12/23 20:59	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/12/23 20:59	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		04/12/23 20:59	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/12/23 20:59	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/12/23 20:59	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/12/23 20:59	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/12/23 20:59	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/12/23 20:59	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/12/23 20:59	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/12/23 20:59	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/12/23 20:59	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/12/23 20:59	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/12/23 20:59	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/12/23 20:59	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/12/23 20:59	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/12/23 20:59	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/12/23 20:59	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/12/23 20:59	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/12/23 20:59	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/12/23 20:59	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/12/23 20:59	75-69-4	
Vinyl chloride	**12.3**	ug/L	1.0	0.17	1		04/12/23 20:59	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/12/23 20:59	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/12/23 20:59	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/12/23 20:59	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.: 40261166

Sample: MW-1B **Lab ID: 40260438007** Collected: 04/06/23 13:15 Received: 04/07/23 08:30 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		04/12/23 20:59	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/12/23 20:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/12/23 20:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/12/23 20:59	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/12/23 20:59	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.44**	Std. Units			1		04/06/23 13:15		
Field Specific Conductance	**846**	umhos/cm			1		04/06/23 13:15		
Turbidity	**N**	NTU			1		04/06/23 13:15		
Apparent Color	**N**	no units			1		04/06/23 13:15		
Odor	**N**	no units			1		04/06/23 13:15		
Temperature, Water (C)	**11.9**	deg C			1		04/06/23 13:15		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**132**	mg/L	20.0	4.3	10		04/20/23 21:09	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**197**	mg/L	25.0	7.4	1		04/14/23 10:06		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-401D **Lab ID: 40261252001** Collected: 04/24/23 11:25 Received: 04/25/23 09:30 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	**351000**	ug/L	5400	1000	1		04/26/23 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		04/26/23 17:44	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/26/23 17:44	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/26/23 17:44	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/26/23 17:44	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/26/23 17:44	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/26/23 17:44	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/26/23 17:44	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/26/23 17:44	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/26/23 17:44	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/26/23 17:44	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/26/23 17:44	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/26/23 17:44	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/26/23 17:44	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/26/23 17:44	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/26/23 17:44	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/26/23 17:44	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/26/23 17:44	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		04/26/23 17:44	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/26/23 17:44	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/26/23 17:44	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/26/23 17:44	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/26/23 17:44	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/26/23 17:44	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/26/23 17:44	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/26/23 17:44	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/26/23 17:44	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/26/23 17:44	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/26/23 17:44	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/26/23 17:44	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/26/23 17:44	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/26/23 17:44	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/26/23 17:44	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/26/23 17:44	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/26/23 17:44	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/26/23 17:44	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/26/23 17:44	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/26/23 17:44	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/26/23 17:44	1330-20-7	
cis-1,2-Dichloroethene	**1.1**	ug/L	1.0	0.47	1		04/26/23 17:44	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/26/23 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.: 40261166

Sample: P-401D **Lab ID: 40261252001** Collected: 04/24/23 11:25 Received: 04/25/23 09:30 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		04/26/23 17:44	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/26/23 17:44	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/26/23 17:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/26/23 17:44	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/26/23 17:44	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.24**	Std. Units			1		04/24/23 11:25		
Field Specific Conductance	**723**	umhos/cm			1		04/24/23 11:25		
Turbidity	**N**	NTU			1		04/24/23 11:25		
Apparent Color	**N**	no units			1		04/24/23 11:25		
Odor	**N**	no units			1		04/24/23 11:25		
Temperature, Water (C)	**11.0**	deg C			1		04/24/23 11:25		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**19.6**	mg/L	2.0	0.43	1		05/02/23 15:59	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**360**	mg/L	25.0	7.4	1		05/02/23 09:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-402E **Lab ID: 40261252002** Collected: 04/24/23 11:00 Received: 04/25/23 09:30 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	**473000**	ug/L	5400	1000	1		04/26/23 19:10		
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		04/26/23 20:08	71-55-6	
1,1,2-Trichloroethane	**<0.86**	ug/L	2.5	0.86	2.5		04/26/23 20:08	79-00-5	
1,1-Dichloroethane	**<0.74**	ug/L	2.5	0.74	2.5		04/26/23 20:08	75-34-3	
1,1-Dichloroethene	**<1.5**	ug/L	2.5	1.5	2.5		04/26/23 20:08	75-35-4	
1,2-Dibromo-3-chloropropane	**<5.9**	ug/L	12.5	5.9	2.5		04/26/23 20:08	96-12-8	
1,2-Dibromoethane (EDB)	**<0.77**	ug/L	2.5	0.77	2.5		04/26/23 20:08	106-93-4	
1,2-Dichlorobenzene	**<0.81**	ug/L	2.5	0.81	2.5		04/26/23 20:08	95-50-1	
1,2-Dichloroethane	**<0.73**	ug/L	2.5	0.73	2.5		04/26/23 20:08	107-06-2	
1,2-Dichloropropane	**<1.1**	ug/L	2.5	1.1	2.5		04/26/23 20:08	78-87-5	
1,3-Dichlorobenzene	**<0.88**	ug/L	2.5	0.88	2.5		04/26/23 20:08	541-73-1	
1,4-Dichlorobenzene	**<2.2**	ug/L	2.5	2.2	2.5		04/26/23 20:08	106-46-7	
2-Butanone (MEK)	**<16.3**	ug/L	62.5	16.3	2.5		04/26/23 20:08	78-93-3	
Acetone	**<21.6**	ug/L	62.5	21.6	2.5		04/26/23 20:08	67-64-1	
Benzene	**<0.74**	ug/L	2.5	0.74	2.5		04/26/23 20:08	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	2.5	1.0	2.5		04/26/23 20:08	75-27-4	
Bromoform	**<1.1**	ug/L	2.5	1.1	2.5		04/26/23 20:08	75-25-2	
Bromomethane	**<3.0**	ug/L	12.5	3.0	2.5		04/26/23 20:08	74-83-9	
Carbon disulfide	**<1.6**	ug/L	2.5	1.6	2.5		04/26/23 20:08	75-15-0	
Carbon tetrachloride	**<0.92**	ug/L	2.5	0.92	2.5		04/26/23 20:08	56-23-5	
Chlorobenzene	**<2.1**	ug/L	2.5	2.1	2.5		04/26/23 20:08	108-90-7	
Chloroethane	**4.9J**	ug/L	12.5	3.4	2.5		04/26/23 20:08	75-00-3	
Chloroform	**<1.3**	ug/L	12.5	1.3	2.5		04/26/23 20:08	67-66-3	
Chloromethane	**<4.1**	ug/L	12.5	4.1	2.5		04/26/23 20:08	74-87-3	
Dibromochloromethane	**<6.6**	ug/L	12.5	6.6	2.5		04/26/23 20:08	124-48-1	
Dibromomethane	**<2.5**	ug/L	12.5	2.5	2.5		04/26/23 20:08	74-95-3	
Dichlorodifluoromethane	**<1.1**	ug/L	12.5	1.1	2.5		04/26/23 20:08	75-71-8	
Ethylbenzene	**<0.81**	ug/L	2.5	0.81	2.5		04/26/23 20:08	100-41-4	
Methyl-tert-butyl ether	**<2.8**	ug/L	12.5	2.8	2.5		04/26/23 20:08	1634-04-4	
Methylene Chloride	**<0.80**	ug/L	12.5	0.80	2.5		04/26/23 20:08	75-09-2	
Naphthalene	**<4.8**	ug/L	12.5	4.8	2.5		04/26/23 20:08	91-20-3	
Styrene	**<0.89**	ug/L	2.5	0.89	2.5		04/26/23 20:08	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	2.5	1.0	2.5		04/26/23 20:08	127-18-4	
Tetrahydrofuran	**<6.0**	ug/L	62.5	6.0	2.5		04/26/23 20:08	109-99-9	
Toluene	**<0.72**	ug/L	2.5	0.72	2.5		04/26/23 20:08	108-88-3	
Trichloroethene	**<0.80**	ug/L	2.5	0.80	2.5		04/26/23 20:08	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	2.5	1.0	2.5		04/26/23 20:08	75-69-4	
Vinyl chloride	**37.6**	ug/L	2.5	0.44	2.5		04/26/23 20:08	75-01-4	
Xylene (Total)	**<2.6**	ug/L	7.5	2.6	2.5		04/26/23 20:08	1330-20-7	
cis-1,2-Dichloroethene	**206**	ug/L	2.5	1.2	2.5		04/26/23 20:08	156-59-2	
cis-1,3-Dichloropropene	**<0.59**	ug/L	2.5	0.59	2.5		04/26/23 20:08	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.: 40261166

Sample: P-402E **Lab ID: 40261252002** Collected: 04/24/23 11:00 Received: 04/25/23 09:30 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	**4.8**	ug/L	2.5	1.3	2.5		04/26/23 20:08	156-60-5	
trans-1,3-Dichloropropene	**<0.66**	ug/L	2.5	0.66	2.5		04/26/23 20:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		2.5		04/26/23 20:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		2.5		04/26/23 20:08	2199-69-1	
Toluene-d8 (S)	99	%	70-130		2.5		04/26/23 20:08	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**6.94**	Std. Units			1		04/24/23 11:00		
Field Specific Conductance	**715**	umhos/cm			1		04/24/23 11:00		
Turbidity	**N**	NTU			1		04/24/23 11:00		
Apparent Color	**N**	no units			1		04/24/23 11:00		
Odor	**N**	no units			1		04/24/23 11:00		
Temperature, Water (C)	**11.8**	deg C			1		04/24/23 11:00		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**49.2**	mg/L	2.0	0.43	1		05/02/23 16:12	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**397**	mg/L	25.0	7.4	1		05/02/23 09:25		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-422B **Lab ID: 40261252003** Collected: 04/24/23 13:30 Received: 04/25/23 09:30 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	**186000**	ug/L	5400	1000	1		04/26/23 19:13		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/26/23 18:05	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/26/23 18:05	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/26/23 18:05	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/26/23 18:05	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/26/23 18:05	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/26/23 18:05	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/26/23 18:05	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/26/23 18:05	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/26/23 18:05	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/26/23 18:05	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/26/23 18:05	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/26/23 18:05	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/26/23 18:05	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/26/23 18:05	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/26/23 18:05	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/26/23 18:05	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/26/23 18:05	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		04/26/23 18:05	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/26/23 18:05	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/26/23 18:05	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/26/23 18:05	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/26/23 18:05	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/26/23 18:05	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/26/23 18:05	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/26/23 18:05	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/26/23 18:05	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/26/23 18:05	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/26/23 18:05	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/26/23 18:05	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/26/23 18:05	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/26/23 18:05	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/26/23 18:05	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/26/23 18:05	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/26/23 18:05	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/26/23 18:05	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/26/23 18:05	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/26/23 18:05	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/26/23 18:05	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/26/23 18:05	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/26/23 18:05	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-422B **Lab ID: 40261252003** Collected: 04/24/23 13:30 Received: 04/25/23 09:30 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		04/26/23 18:05	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/26/23 18:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/26/23 18:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		04/26/23 18:05	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/26/23 18:05	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.78**	Std. Units			1		04/24/23 13:30		
Field Specific Conductance	**389**	umhos/cm			1		04/24/23 13:30		
Turbidity	**N**	NTU			1		04/24/23 13:30		
Apparent Color	**N**	no units			1		04/24/23 13:30		
Odor	**N**	no units			1		04/24/23 13:30		
Temperature, Water (C)	**10.6**	deg C			1		04/24/23 13:30		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**10.2**	mg/L	2.0	0.43	1		05/02/23 16:25	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**227**	mg/L	25.0	7.4	1		05/02/23 09:26		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: TRIP BLANK **Lab ID: 40261252004** Collected: 04/24/23 00:00 Received: 04/25/23 09:30 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		04/26/23 14:30	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		04/26/23 14:30	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		04/26/23 14:30	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		04/26/23 14:30	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		04/26/23 14:30	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		04/26/23 14:30	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		04/26/23 14:30	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		04/26/23 14:30	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		04/26/23 14:30	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		04/26/23 14:30	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		04/26/23 14:30	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		04/26/23 14:30	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		04/26/23 14:30	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		04/26/23 14:30	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		04/26/23 14:30	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		04/26/23 14:30	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		04/26/23 14:30	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		04/26/23 14:30	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		04/26/23 14:30	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		04/26/23 14:30	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		04/26/23 14:30	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		04/26/23 14:30	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		04/26/23 14:30	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		04/26/23 14:30	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		04/26/23 14:30	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		04/26/23 14:30	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		04/26/23 14:30	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		04/26/23 14:30	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		04/26/23 14:30	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		04/26/23 14:30	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		04/26/23 14:30	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		04/26/23 14:30	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		04/26/23 14:30	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		04/26/23 14:30	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		04/26/23 14:30	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		04/26/23 14:30	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		04/26/23 14:30	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		04/26/23 14:30	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		04/26/23 14:30	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		04/26/23 14:30	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		04/26/23 14:30	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		04/26/23 14:30	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/26/23 14:30	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/26/23 14:30	2199-69-1	

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.: 40261166

Sample: TRIP BLANK **Lab ID: 40261252004** Collected: 04/24/23 00:00 Received: 04/25/23 09:30 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)	102	%	70-130		1		04/26/23 14:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-401D **Lab ID: 40261166013** Collected: 04/03/23 00:00 Received: 05/15/23 08:18 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	**853.36**	feet			1		04/03/23 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-402E **Lab ID: 40261166014** Collected: 04/03/23 00:00 Received: 05/15/23 08:18 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	**853.28**	feet			1		04/03/23 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-422B **Lab ID: 40261166015** Collected: 04/03/23 00:00 Received: 05/15/23 08:18 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	**928.27**	feet			1		04/03/23 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-423D **Lab ID: 40261166016** Collected: 04/03/23 00:00 Received: 05/15/23 08:18 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	**851.64**	feet			1		04/03/23 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-424D **Lab ID: 40261166017** Collected: 04/03/23 00:00 Received: 05/15/23 08:18 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	**852.21**	feet			1		04/03/23 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-424SS **Lab ID: 40261166018** Collected: 04/03/23 00:00 Received: 05/15/23 08:18 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	**851.47**	feet			1		04/03/23 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-426D **Lab ID: 40261166019** Collected: 04/03/23 00:00 Received: 05/15/23 08:18 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	**851.65**	feet			1		04/03/23 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-426SS **Lab ID: 40261166020** Collected: 04/03/23 00:00 Received: 05/15/23 08:18 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	**848.84**	feet			1		04/03/23 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-429SS **Lab ID: 40261166021** Collected: 04/03/23 00:00 Received: 05/15/23 08:18 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	**999.24**	feet			1		04/03/23 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: P-430D **Lab ID: 40261166022** Collected: 04/03/23 00:00 Received: 05/15/23 08:18 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	**891.59**	feet			1		04/03/23 00:00		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Sample: MW-1B **Lab ID: 40261166023** Collected: 04/03/23 00:00 Received: 05/15/23 08:18 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	**927.87**	feet			1		04/03/23 00:00		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

QC Batch: 442006
QC Batch Method: EPA 6010D
Analysis Method: EPA 6010D
Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40260438007

METHOD BLANK: 2537943 Matrix: Water
Associated Lab Samples: 40260438007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L	<1000	5400	04/10/23 17:12	

LABORATORY CONTROL SAMPLE: 2537944

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L		66800			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2537945 2537946

Parameter	Units	40260435001 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	577000			647000	649000				0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

QC Batch: 443124 — Analysis Method: EPA 6010D
QC Batch Method: EPA 6010D — Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40261166001, 40261166002, 40261166003, 40261166004, 40261166005, 40261166006

METHOD BLANK: 2544426 — Matrix: Water
Associated Lab Samples: 40261166001, 40261166002, 40261166003, 40261166004, 40261166005, 40261166006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L	<1000	5400	04/25/23 12:32	

LABORATORY CONTROL SAMPLE: 2544427

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L		67900			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2544428 2544429

Parameter	Units	40261020001 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	<1000			74300	74000				0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

QC Batch: 443363
QC Batch Method: EPA 6010D
Analysis Method: EPA 6010D
Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40261252001, 40261252002, 40261252003

METHOD BLANK: 2545723 Matrix: Water
Associated Lab Samples: 40261252001, 40261252002, 40261252003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L	<1000	5400	04/27/23 16:45	

LABORATORY CONTROL SAMPLE: 2545724

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L		71200			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2545725 2545726

Parameter	Units	40261252001 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	351000			426000	427000				0	20	

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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

QC Batch: 441915
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40260438007

METHOD BLANK: 2537634 Matrix: Water
Associated Lab Samples: 40260438007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/12/23 16:26	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	04/12/23 16:26	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/12/23 16:26	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/12/23 16:26	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/12/23 16:26	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/12/23 16:26	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/12/23 16:26	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/12/23 16:26	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/12/23 16:26	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/12/23 16:26	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/12/23 16:26	
2-Butanone (MEK)	ug/L	<6.5	25.0	04/12/23 16:26	
Acetone	ug/L	<8.6	25.0	04/12/23 16:26	
Benzene	ug/L	<0.30	1.0	04/12/23 16:26	
Bromodichloromethane	ug/L	<0.42	1.0	04/12/23 16:26	
Bromoform	ug/L	<0.43	1.0	04/12/23 16:26	
Bromomethane	ug/L	<1.2	5.0	04/12/23 16:26	
Carbon disulfide	ug/L	<0.65	1.0	04/12/23 16:26	
Carbon tetrachloride	ug/L	<0.37	1.0	04/12/23 16:26	
Chlorobenzene	ug/L	<0.86	1.0	04/12/23 16:26	
Chloroethane	ug/L	<1.4	5.0	04/12/23 16:26	
Chloroform	ug/L	<0.50	5.0	04/12/23 16:26	
Chloromethane	ug/L	<1.6	5.0	04/12/23 16:26	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/12/23 16:26	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	04/12/23 16:26	
Dibromochloromethane	ug/L	<2.6	5.0	04/12/23 16:26	
Dibromomethane	ug/L	<0.99	5.0	04/12/23 16:26	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/12/23 16:26	
Ethylbenzene	ug/L	<0.33	1.0	04/12/23 16:26	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/12/23 16:26	
Methylene Chloride	ug/L	<0.32	5.0	04/12/23 16:26	
Naphthalene	ug/L	<1.9	5.0	04/12/23 16:26	
Styrene	ug/L	<0.36	1.0	04/12/23 16:26	
Tetrachloroethene	ug/L	<0.41	1.0	04/12/23 16:26	
Tetrahydrofuran	ug/L	<2.4	25.0	04/12/23 16:26	
Toluene	ug/L	<0.29	1.0	04/12/23 16:26	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/12/23 16:26	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	04/12/23 16:26	
Trichloroethene	ug/L	<0.32	1.0	04/12/23 16:26	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/12/23 16:26	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

METHOD BLANK: 2537634 Matrix: Water
Associated Lab Samples: 40260438007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	<0.17	1.0	04/12/23 16:26	
Xylene (Total)	ug/L	<1.0	3.0	04/12/23 16:26	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	04/12/23 16:26	
4-Bromofluorobenzene (S)	%	106	70-130	04/12/23 16:26	
Toluene-d8 (S)	%	100	70-130	04/12/23 16:26	

LABORATORY CONTROL SAMPLE: 2537635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.0	104	70-134	
1,1,2-Trichloroethane	ug/L	50	49.0	98	70-130	
1,1-Dichloroethane	ug/L	50	48.4	97	70-130	
1,1-Dichloroethene	ug/L	50	50.8	102	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	45.0	90	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	48.0	96	70-130	
1,2-Dichlorobenzene	ug/L	50	47.2	94	70-130	
1,2-Dichloroethane	ug/L	50	48.1	96	70-137	
1,2-Dichloropropane	ug/L	50	48.6	97	80-121	
1,3-Dichlorobenzene	ug/L	50	48.6	97	70-130	
1,4-Dichlorobenzene	ug/L	50	44.4	89	70-130	
Benzene	ug/L	50	48.8	98	70-130	
Bromodichloromethane	ug/L	50	49.0	98	70-130	
Bromoform	ug/L	50	44.3	89	70-130	
Bromomethane	ug/L	50	36.9	74	21-147	
Carbon disulfide	ug/L	50	48.9	98	70-130	
Carbon tetrachloride	ug/L	50	55.6	111	80-146	
Chlorobenzene	ug/L	50	47.7	95	70-130	
Chloroethane	ug/L	50	43.7	87	52-165	
Chloroform	ug/L	50	49.0	98	80-123	
Chloromethane	ug/L	50	36.1	72	51-122	
cis-1,2-Dichloroethene	ug/L	50	46.6	93	70-130	
cis-1,3-Dichloropropene	ug/L	50	48.8	98	70-130	
Dibromochloromethane	ug/L	50	46.0	92	70-130	
Dichlorodifluoromethane	ug/L	50	23.3	47	25-121	
Ethylbenzene	ug/L	50	50.0	100	80-120	
Methyl-tert-butyl ether	ug/L	50	50.1	100	70-130	
Methylene Chloride	ug/L	50	48.3	97	70-130	
Styrene	ug/L	50	56.0	112	70-130	
Tetrachloroethene	ug/L	50	49.0	98	70-130	
Toluene	ug/L	50	48.0	96	80-120	
trans-1,2-Dichloroethene	ug/L	50	50.1	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	48.1	96	70-130	
Trichloroethene	ug/L	50	48.9	98	70-130	
Trichlorofluoromethane	ug/L	50	48.4	97	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.: 40261166

LABORATORY CONTROL SAMPLE: 2537635

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	41.6	83	63-134	
Xylene (Total)	ug/L	150	143	95	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2538091 2538092

Parameter	Units	40260438010 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	49.7	51.4	99	103	70-134	3	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	45.9	49.9	92	100	70-130	8	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	48.3	50.6	97	101	70-130	5	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	49.6	51.3	99	103	71-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	42.1	43.1	84	86	51-141	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	45.9	48.6	92	97	70-130	6	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	46.0	46.6	92	93	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	47.9	49.4	96	99	70-137	3	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	46.3	47.9	93	96	80-121	3	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	47.0	48.0	94	96	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	43.5	43.9	87	88	70-130	1	20	
Benzene	ug/L	<0.30	50	50	47.0	49.4	94	99	70-130	5	20	
Bromodichloromethane	ug/L	<0.42	50	50	47.4	49.3	95	99	70-130	4	20	
Bromoform	ug/L	<0.43	50	50	42.6	44.7	85	89	70-133	5	20	
Bromomethane	ug/L	<1.2	50	50	39.4	42.4	79	85	21-149	7	22	
Carbon disulfide	ug/L	<0.65	50	50	48.2	50.5	96	101	70-130	5	20	
Carbon tetrachloride	ug/L	<0.37	50	50	53.9	54.9	108	110	80-146	2	20	
Chlorobenzene	ug/L	<0.86	50	50	45.4	47.7	91	95	70-130	5	20	
Chloroethane	ug/L	<1.4	50	50	43.9	46.8	88	94	52-165	6	20	
Chloroform	ug/L	<0.50	50	50	47.8	49.4	96	99	80-123	3	20	
Chloromethane	ug/L	<1.6	50	50	40.0	42.1	80	84	42-125	5	20	
cis-1,2-Dichloroethene	ug/L	5.8	50	50	52.3	52.5	93	93	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.24	50	50	45.3	47.8	91	96	70-130	6	20	
Dibromochloromethane	ug/L	<2.6	50	50	45.3	46.2	91	92	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	30.3	30.6	61	61	25-121	1	20	
Ethylbenzene	ug/L	<0.33	50	50	47.7	49.0	95	98	80-121	3	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	48.0	51.2	96	102	70-130	6	20	
Methylene Chloride	ug/L	<0.32	50	50	48.9	51.8	98	104	70-130	6	20	
Styrene	ug/L	<0.36	50	50	50.1	52.4	100	105	70-132	5	20	
Tetrachloroethene	ug/L	<0.41	50	50	44.3	45.3	89	91	70-130	2	20	
Toluene	ug/L	<0.29	50	50	45.6	48.0	91	96	80-120	5	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	48.1	51.2	96	102	70-130	6	20	
trans-1,3-Dichloropropene	ug/L	<0.27	50	50	46.1	47.8	92	96	70-130	4	20	
Trichloroethene	ug/L	<0.32	50	50	46.3	47.4	93	95	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.: 40261166

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2538091 2538092

Parameter	Units	40260438010 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	47.4	48.3	95	97	65-160	2	20	
Vinyl chloride	ug/L	2.1	50	50	45.5	47.8	87	91	60-137	5	20	
Xylene (Total)	ug/L	<1.0	150	150	133	137	89	92	70-130	3	20	
1,2-Dichlorobenzene-d4 (S)	%						102	100	70-130			
4-Bromofluorobenzene (S)	%						103	104	70-130			
Toluene-d8 (S)	%						99	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.: 40261166

QC Batch: 443177
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40261166001, 40261166002, 40261166003, 40261166004, 40261166005, 40261166006, 40261166007

METHOD BLANK: 2544600 Matrix: Water
Associated Lab Samples: 40261166001, 40261166002, 40261166003, 40261166004, 40261166005, 40261166006, 40261166007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/25/23 11:51	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	04/25/23 11:51	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/25/23 11:51	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/25/23 11:51	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/25/23 11:51	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/25/23 11:51	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/25/23 11:51	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/25/23 11:51	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/25/23 11:51	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/25/23 11:51	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/25/23 11:51	
2-Butanone (MEK)	ug/L	<6.5	25.0	04/25/23 11:51	
Acetone	ug/L	<8.6	25.0	04/25/23 11:51	
Benzene	ug/L	<0.30	1.0	04/25/23 11:51	
Bromodichloromethane	ug/L	<0.42	1.0	04/25/23 11:51	
Bromoform	ug/L	<0.43	1.0	04/25/23 11:51	
Bromomethane	ug/L	<1.2	5.0	04/25/23 11:51	
Carbon disulfide	ug/L	<0.65	1.0	04/25/23 11:51	
Carbon tetrachloride	ug/L	<0.37	1.0	04/25/23 11:51	
Chlorobenzene	ug/L	<0.86	1.0	04/25/23 11:51	
Chloroethane	ug/L	<1.4	5.0	04/25/23 11:51	
Chloroform	ug/L	<0.50	5.0	04/25/23 11:51	
Chloromethane	ug/L	<1.6	5.0	04/25/23 11:51	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/25/23 11:51	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	04/25/23 11:51	
Dibromochloromethane	ug/L	<2.6	5.0	04/25/23 11:51	
Dibromomethane	ug/L	<0.99	5.0	04/25/23 11:51	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/25/23 11:51	
Ethylbenzene	ug/L	<0.33	1.0	04/25/23 11:51	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/25/23 11:51	
Methylene Chloride	ug/L	<0.32	5.0	04/25/23 11:51	
Naphthalene	ug/L	<1.9	5.0	04/25/23 11:51	
Styrene	ug/L	<0.36	1.0	04/25/23 11:51	
Tetrachloroethene	ug/L	<0.41	1.0	04/25/23 11:51	
Tetrahydrofuran	ug/L	<2.4	25.0	04/25/23 11:51	
Toluene	ug/L	<0.29	1.0	04/25/23 11:51	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/25/23 11:51	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	04/25/23 11:51	
Trichloroethene	ug/L	<0.32	1.0	04/25/23 11:51	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/25/23 11:51	

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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.: 40261166

METHOD BLANK: 2544600 Matrix: Water
Associated Lab Samples: 40261166001, 40261166002, 40261166003, 40261166004, 40261166005, 40261166006, 40261166007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	<0.17	1.0	04/25/23 11:51	
Xylene (Total)	ug/L	<1.0	3.0	04/25/23 11:51	
1,2-Dichlorobenzene-d4 (S)	%	104	70-130	04/25/23 11:51	
4-Bromofluorobenzene (S)	%	97	70-130	04/25/23 11:51	
Toluene-d8 (S)	%	96	70-130	04/25/23 11:51	

LABORATORY CONTROL SAMPLE: 2544601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.5	111	70-134	
1,1,2-Trichloroethane	ug/L	50	44.0	88	70-130	
1,1-Dichloroethane	ug/L	50	48.8	98	70-130	
1,1-Dichloroethene	ug/L	50	56.5	113	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	37.8	76	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	45.6	91	70-130	
1,2-Dichlorobenzene	ug/L	50	49.5	99	70-130	
1,2-Dichloroethane	ug/L	50	50.6	101	70-137	
1,2-Dichloropropane	ug/L	50	52.1	104	80-121	
1,3-Dichlorobenzene	ug/L	50	49.7	99	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	52.6	105	70-130	
Bromodichloromethane	ug/L	50	51.5	103	70-130	
Bromoform	ug/L	50	46.1	92	70-130	
Bromomethane	ug/L	50	46.6	93	21-147	
Carbon disulfide	ug/L	50	49.0	98	70-130	
Carbon tetrachloride	ug/L	50	57.7	115	80-146	
Chlorobenzene	ug/L	50	50.1	100	70-130	
Chloroethane	ug/L	50	50.2	100	52-165	
Chloroform	ug/L	50	50.9	102	80-123	
Chloromethane	ug/L	50	52.2	104	51-122	
cis-1,2-Dichloroethene	ug/L	50	48.7	97	70-130	
cis-1,3-Dichloropropene	ug/L	50	51.7	103	70-130	
Dibromochloromethane	ug/L	50	49.8	100	70-130	
Dichlorodifluoromethane	ug/L	50	51.7	103	25-121	
Ethylbenzene	ug/L	50	49.3	99	80-120	
Methyl-tert-butyl ether	ug/L	50	45.2	90	70-130	
Methylene Chloride	ug/L	50	53.6	107	70-130	
Styrene	ug/L	50	56.9	114	70-130	
Tetrachloroethene	ug/L	50	51.5	103	70-130	
Toluene	ug/L	50	46.5	93	80-120	
trans-1,2-Dichloroethene	ug/L	50	52.3	105	70-130	
trans-1,3-Dichloropropene	ug/L	50	43.3	87	70-130	
Trichloroethene	ug/L	50	53.3	107	70-130	
Trichlorofluoromethane	ug/L	50	52.6	105	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.: 40261166

LABORATORY CONTROL SAMPLE: 2544601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	54.6	109	63-134	
Xylene (Total)	ug/L	150	148	98	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2544769 2544770

Parameter	Units	40261147001 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	54.5	56.4	109	113	70-134	3	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	44.8	46.3	90	93	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	48.0	49.4	96	99	70-130	3	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	56.9	59.1	114	118	71-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	40.8	41.7	82	83	51-141	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	46.1	48.1	92	96	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	49.2	51.1	98	102	70-130	4	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	55.1	55.0	110	110	70-137	0	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	52.7	53.2	105	106	80-121	1	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	50.3	51.8	101	104	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	48.8	50.3	98	101	70-130	3	20	
Benzene	ug/L	<0.30	50	50	57.4	55.9	115	112	70-130	3	20	
Bromodichloromethane	ug/L	<0.42	50	50	52.1	54.3	104	109	70-130	4	20	
Bromoform	ug/L	<0.43	50	50	48.2	50.1	96	100	70-133	4	20	
Bromomethane	ug/L	<1.2	50	50	46.8	53.4	94	107	21-149	13	22	
Carbon disulfide	ug/L	<0.65	50	50	49.0	50.0	98	100	70-130	2	20	
Carbon tetrachloride	ug/L	<0.37	50	50	61.2	63.1	122	126	80-146	3	20	
Chlorobenzene	ug/L	<0.86	50	50	50.8	52.3	102	105	70-130	3	20	
Chloroethane	ug/L	<1.4	50	50	48.6	51.0	97	102	52-165	5	20	
Chloroform	ug/L	<0.50	50	50	51.6	53.4	103	107	80-123	4	20	
Chloromethane	ug/L	<1.6	50	50	47.5	50.7	95	101	42-125	6	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	49.2	50.6	98	101	70-130	3	20	
cis-1,3-Dichloropropene	ug/L	<0.24	50	50	52.9	54.8	106	110	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	50.4	52.6	101	105	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	47.3	49.2	95	98	25-121	4	20	
Ethylbenzene	ug/L	<0.33	50	50	49.7	51.1	99	102	80-121	3	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	46.0	47.2	92	94	70-130	3	20	
Methylene Chloride	ug/L	<0.32	50	50	53.6	55.6	107	111	70-130	4	20	
Styrene	ug/L	<0.36	50	50	57.8	58.9	116	118	70-132	2	20	
Tetrachloroethene	ug/L	<0.41	50	50	53.6	55.4	107	111	70-130	3	20	
Toluene	ug/L	<0.29	50	50	47.2	48.6	94	97	80-120	3	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	53.2	54.7	106	109	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	<0.27	50	50	45.0	45.8	90	92	70-130	2	20	
Trichloroethene	ug/L	<0.32	50	50	53.8	55.4	108	111	70-130	3	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.: 40261166

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2544769 2544770

Parameter	Units	40261147001 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	52.5	48.9	105	98	65-160	7	20	
Vinyl chloride	ug/L	<0.17	50	50	51.9	54.5	104	109	60-137	5	20	
Xylene (Total)	ug/L	<1.0	150	150	151	154	100	103	70-130	2	20	
1,2-Dichlorobenzene-d4 (S)	%						102	102	70-130			
4-Bromofluorobenzene (S)	%						95	96	70-130			
Toluene-d8 (S)	%						94	93	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.: 40261166

QC Batch: 443288
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40261252001, 40261252002, 40261252003, 40261252004

METHOD BLANK: 2545287 Matrix: Water
Associated Lab Samples: 40261252001, 40261252002, 40261252003, 40261252004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	04/26/23 10:02	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	04/26/23 10:02	
1,1-Dichloroethane	ug/L	<0.30	1.0	04/26/23 10:02	
1,1-Dichloroethene	ug/L	<0.58	1.0	04/26/23 10:02	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	04/26/23 10:02	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	04/26/23 10:02	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	04/26/23 10:02	
1,2-Dichloroethane	ug/L	<0.29	1.0	04/26/23 10:02	
1,2-Dichloropropane	ug/L	<0.45	1.0	04/26/23 10:02	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	04/26/23 10:02	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	04/26/23 10:02	
2-Butanone (MEK)	ug/L	<6.5	25.0	04/26/23 10:02	
Acetone	ug/L	<8.6	25.0	04/26/23 10:02	
Benzene	ug/L	<0.30	1.0	04/26/23 10:02	
Bromodichloromethane	ug/L	<0.42	1.0	04/26/23 10:02	
Bromoform	ug/L	<0.43	1.0	04/26/23 10:02	
Bromomethane	ug/L	<1.2	5.0	04/26/23 10:02	
Carbon disulfide	ug/L	<0.65	1.0	04/26/23 10:02	
Carbon tetrachloride	ug/L	<0.37	1.0	04/26/23 10:02	
Chlorobenzene	ug/L	<0.86	1.0	04/26/23 10:02	
Chloroethane	ug/L	<1.4	5.0	04/26/23 10:02	
Chloroform	ug/L	<0.50	5.0	04/26/23 10:02	
Chloromethane	ug/L	<1.6	5.0	04/26/23 10:02	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	04/26/23 10:02	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	04/26/23 10:02	
Dibromochloromethane	ug/L	<2.6	5.0	04/26/23 10:02	
Dibromomethane	ug/L	<0.99	5.0	04/26/23 10:02	
Dichlorodifluoromethane	ug/L	<0.46	5.0	04/26/23 10:02	
Ethylbenzene	ug/L	<0.33	1.0	04/26/23 10:02	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	04/26/23 10:02	
Methylene Chloride	ug/L	<0.32	5.0	04/26/23 10:02	
Naphthalene	ug/L	<1.9	5.0	04/26/23 10:02	
Styrene	ug/L	<0.36	1.0	04/26/23 10:02	
Tetrachloroethene	ug/L	<0.41	1.0	04/26/23 10:02	
Tetrahydrofuran	ug/L	<2.4	25.0	04/26/23 10:02	
Toluene	ug/L	<0.29	1.0	04/26/23 10:02	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	04/26/23 10:02	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	04/26/23 10:02	
Trichloroethene	ug/L	<0.32	1.0	04/26/23 10:02	
Trichlorofluoromethane	ug/L	<0.42	1.0	04/26/23 10:02	

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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.: 40261166

METHOD BLANK: 2545287 Matrix: Water
Associated Lab Samples: 40261252001, 40261252002, 40261252003, 40261252004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	<0.17	1.0	04/26/23 10:02	
Xylene (Total)	ug/L	<1.0	3.0	04/26/23 10:02	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	04/26/23 10:02	
4-Bromofluorobenzene (S)	%	103	70-130	04/26/23 10:02	
Toluene-d8 (S)	%	103	70-130	04/26/23 10:02	

LABORATORY CONTROL SAMPLE: 2545288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.0	100	70-134	
1,1,2-Trichloroethane	ug/L	50	52.7	105	70-130	
1,1-Dichloroethane	ug/L	50	52.0	104	70-130	
1,1-Dichloroethene	ug/L	50	54.9	110	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	39.2	78	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	50.4	101	70-130	
1,2-Dichlorobenzene	ug/L	50	52.0	104	70-130	
1,2-Dichloroethane	ug/L	50	51.2	102	70-137	
1,2-Dichloropropane	ug/L	50	51.9	104	80-121	
1,3-Dichlorobenzene	ug/L	50	53.8	108	70-130	
1,4-Dichlorobenzene	ug/L	50	50.7	101	70-130	
Benzene	ug/L	50	52.3	105	70-130	
Bromodichloromethane	ug/L	50	50.2	100	70-130	
Bromoform	ug/L	50	44.5	89	70-130	
Bromomethane	ug/L	50	40.7	81	21-147	
Carbon disulfide	ug/L	50	52.7	105	70-130	
Carbon tetrachloride	ug/L	50	48.9	98	80-146	
Chlorobenzene	ug/L	50	54.6	109	70-130	
Chloroethane	ug/L	50	52.6	105	52-165	
Chloroform	ug/L	50	54.7	109	80-123	
Chloromethane	ug/L	50	39.5	79	51-122	
cis-1,2-Dichloroethene	ug/L	50	51.2	102	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.1	98	70-130	
Dibromochloromethane	ug/L	50	45.8	92	70-130	
Dichlorodifluoromethane	ug/L	50	34.3	69	25-121	
Ethylbenzene	ug/L	50	55.8	112	80-120	
Methyl-tert-butyl ether	ug/L	50	45.0	90	70-130	
Methylene Chloride	ug/L	50	55.3	111	70-130	
Styrene	ug/L	50	65.2	130	70-130	
Tetrachloroethene	ug/L	50	52.7	105	70-130	
Toluene	ug/L	50	54.3	109	80-120	
trans-1,2-Dichloroethene	ug/L	50	54.4	109	70-130	
trans-1,3-Dichloropropene	ug/L	50	44.8	90	70-130	
Trichloroethene	ug/L	50	53.2	106	70-130	
Trichlorofluoromethane	ug/L	50	53.6	107	65-160	

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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.: 40261166

LABORATORY CONTROL SAMPLE: 2545288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	49.6	99	63-134	
Xylene (Total)	ug/L	150	165	110	70-130	
1,2-Dichlorobenzene-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			105	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2545289 2545290

Parameter	Units	40261249001 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	<1.0	50	50	50.2	51.5	100	103	70-134	3	20	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	51.6	52.6	103	105	70-130	2	20	
1,1-Dichloroethane	ug/L	<1.0	50	50	51.8	52.6	104	105	70-130	2	20	
1,1-Dichloroethene	ug/L	<1.0	50	50	54.4	56.1	109	112	71-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<5.0	50	50	44.6	46.0	89	92	51-141	3	20	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	50.0	51.1	100	102	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<1.0	50	50	53.2	53.2	106	106	70-130	0	20	
1,2-Dichloroethane	ug/L	<1.0	50	50	49.9	51.3	100	103	70-137	3	20	
1,2-Dichloropropane	ug/L	<1.0	50	50	52.4	52.7	105	105	80-121	1	20	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	54.1	54.4	108	109	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<1.0	50	50	51.7	51.9	103	104	70-130	1	20	
Benzene	ug/L	<1.0	50	50	52.2	52.9	104	106	70-130	1	20	
Bromodichloromethane	ug/L	<1.0	50	50	50.6	52.2	101	104	70-130	3	20	
Bromoform	ug/L	<1.0	50	50	43.9	46.2	88	92	70-133	5	20	
Bromomethane	ug/L	<5.0	50	50	45.5	49.3	91	99	21-149	8	22	
Carbon disulfide	ug/L	<1.0	50	50	52.1	53.3	104	107	70-130	2	20	
Carbon tetrachloride	ug/L	<1.0	50	50	49.9	51.2	100	102	80-146	3	20	
Chlorobenzene	ug/L	<1.0	50	50	53.2	54.0	106	108	70-130	1	20	
Chloroethane	ug/L	<5.0	50	50	53.7	52.9	107	106	52-165	2	20	
Chloroform	ug/L	<5.0	50	50	54.6	55.8	109	112	80-123	2	20	
Chloromethane	ug/L	<5.0	50	50	37.9	38.5	76	77	42-125	2	20	
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	51.6	52.4	103	105	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	49.2	50.5	98	101	70-130	2	20	
Dibromochloromethane	ug/L	<5.0	50	50	45.1	47.2	90	94	70-130	5	20	
Dichlorodifluoromethane	ug/L	<5.0	50	50	30.8	30.5	62	61	25-121	1	20	
Ethylbenzene	ug/L	<1.0	50	50	54.7	55.5	109	111	80-121	1	20	
Methyl-tert-butyl ether	ug/L	<5.0	50	50	45.3	46.5	91	93	70-130	2	20	
Methylene Chloride	ug/L	<5.0	50	50	55.0	56.4	110	113	70-130	3	20	
Styrene	ug/L	<1.0	50	50	63.9	64.9	128	130	70-132	2	20	
Tetrachloroethene	ug/L	<1.0	50	50	52.7	53.6	105	107	70-130	2	20	
Toluene	ug/L	<1.0	50	50	52.9	53.1	106	106	80-120	0	20	
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	54.5	55.2	109	110	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	45.2	46.5	90	93	70-130	3	20	
Trichloroethene	ug/L	<1.0	50	50	52.4	53.7	105	107	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.: 40261166

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2545289 2545290

Parameter	Units	40261249001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichlorofluoromethane	ug/L	<1.0	50	50	52.2	52.8	104	106	65-160	1	20	
Vinyl chloride	ug/L	<1.0	50	50	48.6	48.4	97	97	60-137	1	20	
Xylene (Total)	ug/L	<3.0	150	150	162	163	108	109	70-130	1	20	
1,2-Dichlorobenzene-d4 (S)	%						100	100	70-130			
4-Bromofluorobenzene (S)	%						107	105	70-130			HS
Toluene-d8 (S)	%						104	103	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

QC Batch: 442551
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: 40260438007

METHOD BLANK: 2540993 Matrix: Water
Associated Lab Samples: 40260438007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	04/20/23 11:29	

LABORATORY CONTROL SAMPLE: 2540994

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: 2540995 2540996

Parameter	Units	40260338016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	8.2	20	20	29.1	29.0	104	104	90-110	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2540997 2540998

Parameter	Units	40260459008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	24.6	100	100	130	130	105	105	90-110	0	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.: 40261166

QC Batch: 443646 | 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: 40261166001, 40261166002, 40261166003, 40261166004, 40261166005, 40261166006

METHOD BLANK: 2547578 Matrix: Water
Associated Lab Samples: 40261166001, 40261166002, 40261166003, 40261166004, 40261166005, 40261166006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	05/02/23 14:00	

LABORATORY CONTROL SAMPLE: 2547579

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	19.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2547580 2547581

Parameter	Units	40261062004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	6.8J	100	100	108	112	101	105	90-110	3	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2547582 2547583

Parameter	Units	40261105010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	24.4	100	100	128	127	103	103	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.: 40261166

QC Batch: 443746
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: 40261252001, 40261252002, 40261252003

METHOD BLANK: 2547839 Matrix: Water
Associated Lab Samples: 40261252001, 40261252002, 40261252003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	05/02/23 12:21	

LABORATORY CONTROL SAMPLE: 2547840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	18.3	91	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2547841 2547842

Parameter	Units	40261240001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	2.3	20	20	21.2	18.7	94	82	90-110	12	15	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2547843 2547844

Parameter	Units	40261257009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	46.3	100	100	143	144	97	97	90-110	1	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

QC Batch: 442329
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: 40260438007

METHOD BLANK: 2539542 Matrix: Water
Associated Lab Samples: 40260438007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<7.4	25.0	04/14/23 09:45	

LABORATORY CONTROL SAMPLE: 2539543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	95.2	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2539544 2539545

Parameter	Units	40260438005 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	980	500	500	1430	1420	89	88	90-110	1	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2539546 2539547

Parameter	Units	40260438012 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	309	200	200	492	494	91	92	90-110	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.: 40261166

QC Batch: 443594
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: 40261166001, 40261166002, 40261166003, 40261166004, 40261166005, 40261166006

METHOD BLANK: 2547068 Matrix: Water
Associated Lab Samples: 40261166001, 40261166002, 40261166003, 40261166004, 40261166005, 40261166006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<7.4	25.0	05/01/23 12:11	

LABORATORY CONTROL SAMPLE: 2547069

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	97.9	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2547070 2547071

Parameter	Units	40261166006 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	361	200	200	599	598	119	119	90-110	0	20	M0

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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.: 40261166

QC Batch: 443752
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: 40261252001, 40261252002, 40261252003

METHOD BLANK: 2547862 Matrix: Water
Associated Lab Samples: 40261252001, 40261252002, 40261252003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<7.4	25.0	05/02/23 09:08	

LABORATORY CONTROL SAMPLE: 2547863

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: 2547864 2547865

Parameter	Units	40261240001 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	23.7J	100	100	133	134	109	111	90-110	1	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2547866 2547867

Parameter	Units	40261257009 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	351	200	200	560	555	105	102	90-110	1	20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

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).
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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.: 40261166

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40260438007	MW-1B	EPA 6010D	442006		
40261166001	P-423D	EPA 6010D	443124		
40261166002	P-424D	EPA 6010D	443124		
40261166003	P-424SS	EPA 6010D	443124		
40261166004	P-426D	EPA 6010D	443124		
40261166005	P-426SS	EPA 6010D	443124		
40261166006	P-430D	EPA 6010D	443124		
40261252001	P-401D	EPA 6010D	443363		
40261252002	P-402E	EPA 6010D	443363		
40261252003	P-422B	EPA 6010D	443363		
40260438007	MW-1B	EPA 8260	441915		
40261166001	P-423D	EPA 8260	443177		
40261166002	P-424D	EPA 8260	443177		
40261166003	P-424SS	EPA 8260	443177		
40261166004	P-426D	EPA 8260	443177		
40261166005	P-426SS	EPA 8260	443177		
40261166006	P-430D	EPA 8260	443177		
40261166007	TRIP BLANK	EPA 8260	443177		
40261252001	P-401D	EPA 8260	443288		
40261252002	P-402E	EPA 8260	443288		
40261252003	P-422B	EPA 8260	443288		
40261252004	TRIP BLANK	EPA 8260	443288		
40260438007	MW-1B				
40261166001	P-423D				
40261166002	P-424D				
40261166003	P-424SS				
40261166004	P-426D				
40261166005	P-426SS				
40261166006	P-430D				
40261252001	P-401D				
40261252002	P-402E				
40261252003	P-422B				
40261166013	P-401D				
40261166014	P-402E				
40261166015	P-422B				
40261166016	P-423D				
40261166017	P-424D				
40261166018	P-424SS				
40261166019	P-426D				
40261166020	P-426SS				
40261166021	P-429SS				
40261166022	P-430D				
40261166023	MW-1B				
40260438007	MW-1B	EPA 300.0	442551		
40261166001	P-423D	EPA 300.0	443646		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40261166

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40261166002	**P-424D**	EPA 300.0	443646		
40261166003	**P-424SS**	EPA 300.0	443646		
40261166004	**P-426D**	EPA 300.0	443646		
40261166005	**P-426SS**	EPA 300.0	443646		
40261166006	**P-430D**	EPA 300.0	443646		
40261252001	**P-401D**	EPA 300.0	443746		
40261252002	**P-402E**	EPA 300.0	443746		
40261252003	**P-422B**	EPA 300.0	443746		
40260438007	**MW-1B**	EPA 310.2	442329		
40261166001	**P-423D**	EPA 310.2	443594		
40261166002	**P-424D**	EPA 310.2	443594		
40261166003	**P-424SS**	EPA 310.2	443594		
40261166004	**P-426D**	EPA 310.2	443594		
40261166005	**P-426SS**	EPA 310.2	443594		
40261166006	**P-430D**	EPA 310.2	443594		
40261252001	**P-401D**	EPA 310.2	443752		
40261252002	**P-402E**	EPA 310.2	443752		
40261252003	**P-422B**	EPA 310.2	443752		

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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

40261164

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

Requested Ana

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	8260 NR 507 VOCs	diss chloride, alkalinity	diss 6010 - hard	Residual Chlorine (Y/N)	Pace Project Number Lab I.D.
1	P-423D	WT	G			4/21	1020	11.1	5	1	3	1	X	X	X		001
2	P-424D						1300	14.9	5	1	3	1	X	X	X		002
3	P-424SS						1445	13.7	5	1	3	1	X	X	X		003
4	P-426D						1100	12.4	5	1	3	1	X	X	X		004
5	P-426SS						1205	14.3	5	1	3	1	X	X	X		005
6	P-430D	WT	G			4/21	1345	13.7	5	1	3	1	X	X	X		006
7	Trip Blank								2		2		X				007
8																	
9																	
10																	
11																	
12																	

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	4/21/23	1700			
[signature]	4/22/23	0900	[signature]	4/22/23	0820

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
1.5	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: [signature]

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 4/22/23

Sample Preservation Receipt Form

Client Name: GFL Glacier Ridge
Project # 40261166

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

Lab Lot# of pH paper: 1050788 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: SG Date/ Time:

Glass: AG1U–BG3U; Plastic: BP1U–BP2Z; Vials: VG9C–VG9D; Jars: JGFU–WPFU; General: SP5T–GN 2

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															X		2.5 / 5
002																	3															X		2.5 / 5
003																	3															X		2.5 / 5
004																	3															X		2.5 / 5
005																	3															X		2.5 / 5
006																	3															X		2.5 / 5
007																	2											2						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

4/22/23 SG

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 #:

WO# : 40261166

40261166

Client Name: GFL Glacier Ridge

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

Tracking #: 3548908-1

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 - 9 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0.5 /Corr: 1.5

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: 4/22/23 Initials: SL
Labeled By Initials: MWS

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: Correct Type: (Pace Green Bay), Pace IR, Non-Pace	☑Yes ☐No	9.
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 logi

Page 2 of 2

402604438

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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, Sherren Clark - SCS Eng	Company Name: GFL Glacier Ridge
Horicon, WI 53032		Address: N7296 Hwy V, Horicon, WI 53032
Email To: Kari Rabideau - GFL	Purchase Order No.: na	Pace Quote Reference: na
Phone: 920-853-8553 Fax: na	Project Name: GRL GW	Pace Project Manager: Cindy Varga
Requested Due Date/TAT:	Project Number: na	Pace Profile #: 4172 line 5 Shared Wells line 35

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 #	Section D 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 HNO3	Preservatives Unpreseved	Preservatives HCL	Filtered (Y/N)	Requested Analysis: dissolved chloride, alk	dissolved 6010	8260 VOC NR507	dissolved 6020 -Shared	Residual Chlorine (Y/N)	Pace Project Number Lab I.D.
													Y	Y	N	Y			
1	D- 301A	GW	G	—	—	4/6	1410	11.1	2	1	1	1 (ES)		X	X				001
2	W 161R			—	—	4/6	1010	9.3	2	1	1			X	X				002
3	MW 428			—	—		1455	10.3	5	1	1	3		X	X	X			003
4	MW 428A			—	—		1525	7.15	5	1	1	3		X	X	X			004
5	MW 1RR			—	—		1300	12.2	5	1	1	3		X		X			005
6	MW 1AR			—	—		1215	12.6	5	1	1	3		X		X	X		006
7	MW 1B			—	—		1315	11.9	5	1	1	3		X	X	X			007
8	DUP 03	GW	G	—	—	4/6	—	12.2	5	1	1	3		X	X	X			008
9	MW-403			—	—		1335	9.7	5	1	1	3		X	X	X			009
10	P-403A			—	—		1430	8.9	5	1	1	3		X	X	X			010
11	MW-308	GW	G	—	—	4/6	1435	8.0	2	1	1			X	X				011
12	P-308A Trip Blank			—	—		1500		2	1	1	2			X				012 013

Additional Comments:

Shared Wells - MW-8R, MW-1RR,MW-1AR,W-163, W-163A

6020 dissolved metals - only Shared Wells all other need 6010 dissolved metals

VOCS- MW-1RR, MW-1AR,MW-163,W-163A,MW-403, P-403A P-406A,P-406B,DUP-03,W-158,W160R.MW-202,MW-306,MW-307 MW-406,DUP-04

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
ESC	4/6	1730			
Waltco	4/7/13	0830		4/7/13	0830

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
1.5	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: EMMA SYVERSON

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 04/06/13

Client Name: GFL Glaser Ridge

Sample Preservation Receipt Form

Project # 402660438

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

Lab Lot# of pH paper. 1000722 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: SC Date/ Time:

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Acl pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	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							
001																																		2.5 / 5
002																																		2.5 / 5
003																																		2.5 / 5
004																	3																	2.5 / 5
005																	3																	2.5 / 5
006																	3																	2.5 / 5
007																	3																	2.5 / 5
008																	3																	2.5 / 5
009																	3												1					2.5 / 5
010																	3																	2.5 / 5
011																																		2.5 / 5
012																																		2.5 / 5
013																	2																	2.5 / 5
014																													2					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

4/7/2356

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# : 40260438

40260438

Client Name: GPL Glacier Ridge

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

Tracking #: 353474 2-3

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: 0.5 /Corr: 1.5

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

Person examining contents:
Date: 4/7/23 Initials: SG

Labeled By Initials: mf

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.
- 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. 004 dme "1/425" 4/7/2386
-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): 494		

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

Pace Analytical
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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

40261252

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: Unpreserved	Preservatives: HCL	Preservatives: Nitric	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	P-401D	WT	G	—	—	4/24	1125	11.0	5	1	3	1		X	X	X		001
2	P-402E	"	"	"	"	"	1100	11.8	5	1	3	1		X	X	X		002
3	P-422B	WT	G	—	—	4/24	1330	10.6	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
[signature]	4/24/23	1700			
[signature]	4-25-23	0930	Rodney Pace	4-25-23	0930

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
0°	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 Premako

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 4/24/23

Client Name: GFL Glacier Ridge

Sample Preservation Receipt Form

Project # 402601252

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

Lab Lot# of pH paper: 10090722 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: R.A 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	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							
001									1		1						3														X		2.5 / 5
002																	3														X		2.5 / 5
003																	3														X		2.5 / 5
004																	3											2					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

R.A 12-5-22

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	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 #:

WO# : 40261252

40261252

Client Name: GFL Glacier Ridge

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

Tracking #: 354995971-2)

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 - 121 **Type of Ice:** Wet Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0.5 /Corr 0.0

Person examining contents:
Date: 4/5/23 /Initials: R.H

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.

Labeled By Initials: MH

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): 494		

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

Page 2 of 2

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

July 06, 2023

Lonn Walter
GFL Enviromental
N7296 Hwy V
Horicon, WI 53032

RE: Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40264134

Dear Lonn Walter:

Enclosed are the analytical results for sample(s) received by the laboratory between June 23, 2023 and July 05, 2023. 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
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40264134

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.: 40264134

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40264134001	**P-429SS**	Water	06/22/23 14:00	06/23/23 08:05
40264134002	**TRIP BLANK**	Water	06/22/23 14:00	06/23/23 08:05
40264134003	**P-429SS**	Water	06/21/23 00:00	07/05/23 16:40

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

SAMPLE ANALYTE COUNT

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40264134

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40264134001	**P-429SS**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AG1	6	PASI-G
		EPA 300.0	DAW	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40264134002	**TRIP BLANK**	EPA 8260	CXJ	45	PASI-G
40264134003	**P-429SS**		AG1	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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.: 40264134

Sample: P-429SS **Lab ID: 40264134001** Collected: 06/22/23 14:00 Received: 06/23/23 08:05 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	**346000**	ug/L	5400	1000	1		06/27/23 12:41		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/27/23 11:56	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		06/27/23 11:56	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/27/23 11:56	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/27/23 11:56	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/27/23 11:56	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/27/23 11:56	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/27/23 11:56	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/27/23 11:56	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/27/23 11:56	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/27/23 11:56	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/27/23 11:56	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		06/27/23 11:56	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		06/27/23 11:56	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/27/23 11:56	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/27/23 11:56	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		06/27/23 11:56	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/27/23 11:56	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		06/27/23 11:56	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/27/23 11:56	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/27/23 11:56	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/27/23 11:56	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		06/27/23 11:56	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/27/23 11:56	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/27/23 11:56	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/27/23 11:56	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/27/23 11:56	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/27/23 11:56	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/27/23 11:56	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/27/23 11:56	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		06/27/23 11:56	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/27/23 11:56	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/27/23 11:56	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		06/27/23 11:56	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/27/23 11:56	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		06/27/23 11:56	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/27/23 11:56	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/27/23 11:56	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		06/27/23 11:56	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/27/23 11:56	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		06/27/23 11:56	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.: 40264134

Sample: P-429SS **Lab ID: 40264134001** Collected: 06/22/23 14:00 Received: 06/23/23 08:05 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		06/27/23 11:56	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		06/27/23 11:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		06/27/23 11:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		06/27/23 11:56	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		06/27/23 11:56	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.11**	Std. Units			1		06/22/23 14:00		
Field Specific Conductance	**458**	umhos/cm			1		06/22/23 14:00		
Turbidity	**N**	NTU			1		06/22/23 14:00		
Apparent Color	**N**	no units			1		06/22/23 14:00		
Odor	**N**	no units			1		06/22/23 14:00		
Temperature, Water (C)	**13.5**	deg C			1		06/22/23 14:00		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**1.6J**	mg/L	2.0	0.43	1		06/27/23 19:52	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**324**	mg/L	25.0	7.4	1		06/29/23 16:41		

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.: 40264134

Sample: TRIP BLANK **Lab ID: 40264134002** Collected: 06/22/23 14:00 Received: 06/23/23 08:05 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		06/26/23 11:18	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		06/26/23 11:18	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		06/26/23 11:18	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		06/26/23 11:18	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		06/26/23 11:18	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		06/26/23 11:18	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		06/26/23 11:18	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		06/26/23 11:18	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		06/26/23 11:18	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		06/26/23 11:18	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		06/26/23 11:18	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		06/26/23 11:18	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		06/26/23 11:18	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		06/26/23 11:18	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		06/26/23 11:18	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		06/26/23 11:18	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		06/26/23 11:18	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		06/26/23 11:18	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		06/26/23 11:18	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		06/26/23 11:18	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		06/26/23 11:18	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		06/26/23 11:18	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		06/26/23 11:18	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		06/26/23 11:18	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		06/26/23 11:18	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		06/26/23 11:18	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		06/26/23 11:18	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		06/26/23 11:18	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		06/26/23 11:18	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		06/26/23 11:18	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		06/26/23 11:18	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		06/26/23 11:18	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		06/26/23 11:18	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		06/26/23 11:18	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		06/26/23 11:18	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		06/26/23 11:18	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/26/23 11:18	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		06/26/23 11:18	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		06/26/23 11:18	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		06/26/23 11:18	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		06/26/23 11:18	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		06/26/23 11:18	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		06/26/23 11:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		06/26/23 11:18	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.: 40264134

Sample: TRIP BLANK **Lab ID: 40264134002** Collected: 06/22/23 14:00 Received: 06/23/23 08:05 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		06/26/23 11:18	2037-26-5	HS

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.: 40264134

Sample: P-429SS **Lab ID: 40264134003** Collected: 06/21/23 00:00 Received: 07/05/23 16:40 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	**842.82**	feet			1		06/21/23 00:00		

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.: 40264134

QC Batch: 448398
QC Batch Method: EPA 6010D
Analysis Method: EPA 6010D
Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40264134001

METHOD BLANK: 2575517 Matrix: Water
Associated Lab Samples: 40264134001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L	<1000	5400	06/27/23 12:30	

LABORATORY CONTROL SAMPLE: 2575518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L		68300			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2575519 2575520

Parameter	Units	40264075001 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	75500			146000	147000				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.: 40264134

QC Batch: 448153
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40264134002

METHOD BLANK: 2574029 Matrix: Water
Associated Lab Samples: 40264134002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/26/23 08:43	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	06/26/23 08:43	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/26/23 08:43	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/26/23 08:43	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	06/26/23 08:43	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	06/26/23 08:43	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	06/26/23 08:43	
1,2-Dichloroethane	ug/L	<0.29	1.0	06/26/23 08:43	
1,2-Dichloropropane	ug/L	<0.45	1.0	06/26/23 08:43	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	06/26/23 08:43	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	06/26/23 08:43	
2-Butanone (MEK)	ug/L	<6.5	25.0	06/26/23 08:43	
Acetone	ug/L	<8.6	25.0	06/26/23 08:43	
Benzene	ug/L	<0.30	1.0	06/26/23 08:43	
Bromodichloromethane	ug/L	<0.42	1.0	06/26/23 08:43	
Bromoform	ug/L	<0.43	1.0	06/26/23 08:43	
Bromomethane	ug/L	<1.2	5.0	06/26/23 08:43	
Carbon disulfide	ug/L	<0.65	1.0	06/26/23 08:43	
Carbon tetrachloride	ug/L	<0.37	1.0	06/26/23 08:43	
Chlorobenzene	ug/L	<0.86	1.0	06/26/23 08:43	
Chloroethane	ug/L	<1.4	5.0	06/26/23 08:43	
Chloroform	ug/L	<0.50	5.0	06/26/23 08:43	
Chloromethane	ug/L	<1.6	5.0	06/26/23 08:43	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	06/26/23 08:43	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	06/26/23 08:43	
Dibromochloromethane	ug/L	<2.6	5.0	06/26/23 08:43	
Dibromomethane	ug/L	<0.99	5.0	06/26/23 08:43	
Dichlorodifluoromethane	ug/L	<0.46	5.0	06/26/23 08:43	
Ethylbenzene	ug/L	<0.33	1.0	06/26/23 08:43	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	06/26/23 08:43	
Methylene Chloride	ug/L	<0.32	5.0	06/26/23 08:43	
Naphthalene	ug/L	<1.9	5.0	06/26/23 08:43	
Styrene	ug/L	<0.36	1.0	06/26/23 08:43	
Tetrachloroethene	ug/L	<0.41	1.0	06/26/23 08:43	
Tetrahydrofuran	ug/L	<2.4	25.0	06/26/23 08:43	
Toluene	ug/L	<0.29	1.0	06/26/23 08:43	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	06/26/23 08:43	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	06/26/23 08:43	
Trichloroethene	ug/L	<0.32	1.0	06/26/23 08:43	
Trichlorofluoromethane	ug/L	<0.42	1.0	06/26/23 08:43	

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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.: 40264134

METHOD BLANK: 2574029 Matrix: Water
Associated Lab Samples: 40264134002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	<0.17	1.0	06/26/23 08:43	
Xylene (Total)	ug/L	<1.0	3.0	06/26/23 08:43	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	06/26/23 08:43	
4-Bromofluorobenzene (S)	%	103	70-130	06/26/23 08:43	
Toluene-d8 (S)	%	101	70-130	06/26/23 08:43	

LABORATORY CONTROL SAMPLE: 2574030

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.7	109	70-134	
1,1,2-Trichloroethane	ug/L	50	54.5	109	70-130	
1,1-Dichloroethane	ug/L	50	56.5	113	70-130	
1,1-Dichloroethene	ug/L	50	57.0	114	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	49.4	99	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	54.8	110	70-130	
1,2-Dichlorobenzene	ug/L	50	54.3	109	70-130	
1,2-Dichloroethane	ug/L	50	54.1	108	70-137	
1,2-Dichloropropane	ug/L	50	52.1	104	80-121	
1,3-Dichlorobenzene	ug/L	50	54.1	108	70-130	
1,4-Dichlorobenzene	ug/L	50	52.3	105	70-130	
Benzene	ug/L	50	55.6	111	70-130	
Bromodichloromethane	ug/L	50	55.4	111	70-130	
Bromoform	ug/L	50	47.1	94	70-130	
Bromomethane	ug/L	50	46.8	94	21-147	
Carbon disulfide	ug/L	50	59.2	118	70-130	
Carbon tetrachloride	ug/L	50	56.4	113	80-146	
Chlorobenzene	ug/L	50	53.0	106	70-130	
Chloroethane	ug/L	50	57.5	115	52-165	
Chloroform	ug/L	50	52.0	104	80-123	
Chloromethane	ug/L	50	50.5	101	51-122	
cis-1,2-Dichloroethene	ug/L	50	52.3	105	70-130	
cis-1,3-Dichloropropene	ug/L	50	47.3	95	70-130	
Dibromochloromethane	ug/L	50	48.4	97	70-130	
Dichlorodifluoromethane	ug/L	50	52.5	105	25-121	
Ethylbenzene	ug/L	50	54.9	110	80-120	
Methyl-tert-butyl ether	ug/L	50	53.1	106	70-130	
Methylene Chloride	ug/L	50	56.0	112	70-130	
Styrene	ug/L	50	63.2	126	70-130	
Tetrachloroethene	ug/L	50	54.0	108	70-130	
Toluene	ug/L	50	54.8	110	80-120	
trans-1,2-Dichloroethene	ug/L	50	55.3	111	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.7	93	70-130	
Trichloroethene	ug/L	50	55.4	111	70-130	
Trichlorofluoromethane	ug/L	50	54.5	109	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.: 40264134

LABORATORY CONTROL SAMPLE: 2574030

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	55.5	111	63-134	
Xylene (Total)	ug/L	150	162	108	70-130	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			108	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2574905 2574906

Parameter	Units	40263915001 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	54.4	51.6	109	103	70-134	5	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	57.2	56.0	114	112	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	56.3	56.7	113	113	70-130	1	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	56.8	46.1	114	92	71-130	21	20	R1
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	49.8	49.4	100	99	51-141	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	56.0	56.5	112	113	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	55.2	55.6	110	111	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	55.1	53.7	110	107	70-137	2	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	53.2	53.4	106	107	80-121	0	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	54.5	54.6	109	109	70-130	0	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	53.2	53.4	106	107	70-130	1	20	
Benzene	ug/L	<0.30	50	50	56.1	55.1	112	110	70-130	2	20	
Bromodichloromethane	ug/L	<0.42	50	50	55.6	44.5	111	89	70-130	22	20	R1
Bromoform	ug/L	<0.43	50	50	47.9	42.0	96	84	70-133	13	20	
Bromomethane	ug/L	<1.2	50	50	53.1	42.3	106	85	21-149	23	22	R1
Carbon disulfide	ug/L	<0.65	50	50	59.7	49.7	119	99	70-130	18	20	
Carbon tetrachloride	ug/L	<0.37	50	50	56.1	55.1	112	110	80-146	2	20	
Chlorobenzene	ug/L	<0.86	50	50	54.4	54.9	109	110	70-130	1	20	
Chloroethane	ug/L	<1.4	50	50	56.9	47.2	114	94	52-165	19	20	
Chloroform	ug/L	<0.50	50	50	52.0	52.2	104	104	80-123	0	20	
Chloromethane	ug/L	<1.6	50	50	52.6	43.6	105	87	42-125	19	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	53.1	53.0	106	106	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.24	50	50	48.2	41.1	96	82	70-130	16	20	
Dibromochloromethane	ug/L	<2.6	50	50	49.5	49.6	99	99	70-130	0	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	50.8	41.4	102	83	25-121	20	20	
Ethylbenzene	ug/L	<0.33	50	50	54.9	54.0	110	108	80-121	2	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	54.2	55.4	108	111	70-130	2	20	
Methylene Chloride	ug/L	<0.32	50	50	57.0	49.0	114	98	70-130	15	20	
Styrene	ug/L	<0.36	50	50	65.0	64.4	130	129	70-132	1	20	
Tetrachloroethene	ug/L	<0.41	50	50	53.9	54.4	108	109	70-130	1	20	
Toluene	ug/L	<0.29	50	50	54.8	54.8	110	110	80-120	0	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	54.9	56.1	110	112	70-130	2	20	
trans-1,3-Dichloropropene	ug/L	<0.27	50	50	47.3	47.5	95	95	70-130	0	20	
Trichloroethene	ug/L	<0.32	50	50	55.5	54.7	111	109	70-130	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.: 40264134

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2574905 2574906

Parameter	Units	40263915001 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	55.0	44.4	110	89	65-160	21	20	R1
Vinyl chloride	ug/L	<0.17	50	50	55.9	46.4	112	93	60-137	19	20	
Xylene (Total)	ug/L	<1.0	150	150	164	163	109	109	70-130	0	20	
1,2-Dichlorobenzene-d4 (S)	%						100	101	70-130			
4-Bromofluorobenzene (S)	%						107	115	70-130			
Toluene-d8 (S)	%						100	85	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.: 40264134

QC Batch: 448314
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40264134001

METHOD BLANK: 2575211 Matrix: Water
Associated Lab Samples: 40264134001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	06/27/23 07:20	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	06/27/23 07:20	
1,1-Dichloroethane	ug/L	<0.30	1.0	06/27/23 07:20	
1,1-Dichloroethene	ug/L	<0.58	1.0	06/27/23 07:20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	06/27/23 07:20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	06/27/23 07:20	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	06/27/23 07:20	
1,2-Dichloroethane	ug/L	<0.29	1.0	06/27/23 07:20	
1,2-Dichloropropane	ug/L	<0.45	1.0	06/27/23 07:20	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	06/27/23 07:20	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	06/27/23 07:20	
2-Butanone (MEK)	ug/L	<6.5	25.0	06/27/23 07:20	
Acetone	ug/L	<8.6	25.0	06/27/23 07:20	
Benzene	ug/L	<0.30	1.0	06/27/23 07:20	
Bromodichloromethane	ug/L	<0.42	1.0	06/27/23 07:20	
Bromoform	ug/L	<0.43	1.0	06/27/23 07:20	
Bromomethane	ug/L	<1.2	5.0	06/27/23 07:20	
Carbon disulfide	ug/L	<0.65	1.0	06/27/23 07:20	
Carbon tetrachloride	ug/L	<0.37	1.0	06/27/23 07:20	
Chlorobenzene	ug/L	<0.86	1.0	06/27/23 07:20	
Chloroethane	ug/L	<1.4	5.0	06/27/23 07:20	
Chloroform	ug/L	<0.50	5.0	06/27/23 07:20	
Chloromethane	ug/L	<1.6	5.0	06/27/23 07:20	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	06/27/23 07:20	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	06/27/23 07:20	
Dibromochloromethane	ug/L	<2.6	5.0	06/27/23 07:20	
Dibromomethane	ug/L	<0.99	5.0	06/27/23 07:20	
Dichlorodifluoromethane	ug/L	<0.46	5.0	06/27/23 07:20	
Ethylbenzene	ug/L	<0.33	1.0	06/27/23 07:20	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	06/27/23 07:20	
Methylene Chloride	ug/L	<0.32	5.0	06/27/23 07:20	
Naphthalene	ug/L	<1.9	5.0	06/27/23 07:20	
Styrene	ug/L	<0.36	1.0	06/27/23 07:20	
Tetrachloroethene	ug/L	<0.41	1.0	06/27/23 07:20	
Tetrahydrofuran	ug/L	<2.4	25.0	06/27/23 07:20	
Toluene	ug/L	<0.29	1.0	06/27/23 07:20	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	06/27/23 07:20	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	06/27/23 07:20	
Trichloroethene	ug/L	<0.32	1.0	06/27/23 07:20	
Trichlorofluoromethane	ug/L	<0.42	1.0	06/27/23 07:20	

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40264134

METHOD BLANK: 2575211 Matrix: Water
Associated Lab Samples: 40264134001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	<0.17	1.0	06/27/23 07:20	
Xylene (Total)	ug/L	<1.0	3.0	06/27/23 07:20	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	06/27/23 07:20	
4-Bromofluorobenzene (S)	%	105	70-130	06/27/23 07:20	
Toluene-d8 (S)	%	106	70-130	06/27/23 07:20	

LABORATORY CONTROL SAMPLE: 2575212

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.9	114	70-134	
1,1,2-Trichloroethane	ug/L	50	55.2	110	70-130	
1,1-Dichloroethane	ug/L	50	60.5	121	70-130	
1,1-Dichloroethene	ug/L	50	53.2	106	74-131	
1,2-Dibromo-3-chloropropane	ug/L	50	52.4	105	64-137	
1,2-Dibromoethane (EDB)	ug/L	50	50.3	101	70-130	
1,2-Dichlorobenzene	ug/L	50	50.3	101	70-130	
1,2-Dichloroethane	ug/L	50	57.8	116	70-137	
1,2-Dichloropropane	ug/L	50	60.2	120	80-121	
1,3-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,4-Dichlorobenzene	ug/L	50	48.4	97	70-130	
Benzene	ug/L	50	55.6	111	70-130	
Bromodichloromethane	ug/L	50	56.9	114	70-130	
Bromoform	ug/L	50	53.0	106	70-130	
Bromomethane	ug/L	50	56.7	113	21-147	
Carbon disulfide	ug/L	50	58.4	117	70-130	
Carbon tetrachloride	ug/L	50	69.3	139	80-146	
Chlorobenzene	ug/L	50	53.3	107	70-130	
Chloroethane	ug/L	50	58.6	117	52-165	
Chloroform	ug/L	50	55.9	112	80-123	
Chloromethane	ug/L	50	59.2	118	51-122	
cis-1,2-Dichloroethene	ug/L	50	51.0	102	70-130	
cis-1,3-Dichloropropene	ug/L	50	55.9	112	70-130	
Dibromochloromethane	ug/L	50	52.5	105	70-130	
Dichlorodifluoromethane	ug/L	50	43.9	88	25-121	
Ethylbenzene	ug/L	50	55.6	111	80-120	
Methyl-tert-butyl ether	ug/L	50	55.0	110	70-130	
Methylene Chloride	ug/L	50	55.5	111	70-130	
Styrene	ug/L	50	61.3	123	70-130	
Tetrachloroethene	ug/L	50	51.2	102	70-130	
Toluene	ug/L	50	53.8	108	80-120	
trans-1,2-Dichloroethene	ug/L	50	52.3	105	70-130	
trans-1,3-Dichloropropene	ug/L	50	55.8	112	70-130	
Trichloroethene	ug/L	50	54.0	108	70-130	
Trichlorofluoromethane	ug/L	50	52.1	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.: 40264134

LABORATORY CONTROL SAMPLE: 2575212

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	56.5	113	63-134	
Xylene (Total)	ug/L	150	152	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			106	70-130	
Toluene-d8 (S)	%			107	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2575331 2575332

Parameter	Units	40264224027 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	59.3	57.8	119	116	70-134	3	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	57.2	55.1	114	110	70-130	4	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	62.1	61.6	124	123	70-130	1	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	54.7	53.6	109	107	71-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	52.9	51.9	106	104	51-141	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	49.9	50.8	100	102	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	52.0	50.5	104	101	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	61.2	59.0	122	118	70-137	4	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	62.5	61.9	125	124	80-121	1	20	M1
1,3-Dichlorobenzene	ug/L	<0.35	50	50	51.6	50.0	103	100	70-130	3	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	49.8	49.0	100	98	70-130	2	20	
Benzene	ug/L	<0.30	50	50	57.9	56.6	116	113	70-130	2	20	
Bromodichloromethane	ug/L	<0.42	50	50	59.5	56.6	119	113	70-130	5	20	
Bromoform	ug/L	<0.43	50	50	54.6	54.7	109	109	70-133	0	20	
Bromomethane	ug/L	<1.2	50	50	62.3	62.1	125	124	21-149	0	22	
Carbon disulfide	ug/L	<0.65	50	50	61.2	61.4	122	123	70-130	0	20	
Carbon tetrachloride	ug/L	<0.37	50	50	72.1	70.0	144	140	80-146	3	20	
Chlorobenzene	ug/L	<0.86	50	50	53.8	55.0	108	110	70-130	2	20	
Chloroethane	ug/L	<1.4	50	50	60.1	60.9	120	122	52-165	1	20	
Chloroform	ug/L	<0.50	50	50	57.3	56.8	115	114	80-123	1	20	
Chloromethane	ug/L	<1.6	50	50	60.9	59.6	122	119	42-125	2	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	51.6	50.9	103	102	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	<0.24	50	50	57.9	57.8	116	116	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	50	50	55.5	55.0	111	110	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	43.9	43.2	88	86	25-121	1	20	
Ethylbenzene	ug/L	<0.33	50	50	57.0	55.3	114	111	80-121	3	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	56.4	56.6	113	113	70-130	0	20	
Methylene Chloride	ug/L	<0.32	50	50	56.5	57.7	113	115	70-130	2	20	
Styrene	ug/L	<0.36	50	50	61.9	62.2	124	124	70-132	0	20	
Tetrachloroethene	ug/L	<0.41	50	50	52.3	49.1	105	98	70-130	6	20	
Toluene	ug/L	<0.29	50	50	54.9	53.7	110	107	80-120	2	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	54.6	54.4	109	109	70-130	0	20	
trans-1,3-Dichloropropene	ug/L	<0.27	50	50	56.5	56.6	113	113	70-130	0	20	
Trichloroethene	ug/L	<0.32	50	50	55.8	55.4	112	111	70-130	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.: 40264134

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2575331 2575332

Parameter	Units	40264224027 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	54.0	52.7	108	105	65-160	2	20	
Vinyl chloride	ug/L	<0.17	50	50	59.4	57.8	119	116	60-137	3	20	
Xylene (Total)	ug/L	<1.0	150	150	157	155	105	103	70-130	2	20	
1,2-Dichlorobenzene-d4 (S)	%						102	101	70-130			
4-Bromofluorobenzene (S)	%						111	108	70-130			
Toluene-d8 (S)	%						107	106	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40264134

QC Batch: 448325
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: 40264134001

METHOD BLANK: 2575240 Matrix: Water
Associated Lab Samples: 40264134001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.43	2.0	06/27/23 12:41	

LABORATORY CONTROL SAMPLE: 2575241

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.7	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2575242 2575243

Parameter	Units	40263352005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	32.6	20	20	51.8	51.9	96	97	90-110	0	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2575244 2575245

Parameter	Units	40263352006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	234	400	400	636	635	100	100	90-110	0	15	

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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.: 40264134

QC Batch: 448612
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: 40264134001

METHOD BLANK: 2576871 Matrix: Water
Associated Lab Samples: 40264134001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<7.4	25.0	06/29/23 16:28	

LABORATORY CONTROL SAMPLE: 2576872

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	94.4	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2576873 2576874

Parameter	Units	40264075001 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	68.3	100	100	200	200	131	131	90-110	0	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2576875 2576876

Parameter	Units	40264366001 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	309	100	100	419	418	110	109	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALIFIERS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40264134

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.

DL - Adjusted Method Detection Limit.

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).
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.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40264134

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40264134001	**P-429SS**	EPA 6010D	448398		
40264134001	**P-429SS**	EPA 8260	448314		
40264134002	**TRIP BLANK**	EPA 8260	448153		
40264134001	**P-429SS**				
40264134003	**P-429SS**				
40264134001	**P-429SS**	EPA 300.0	448325		
40264134001	**P-429SS**	EPA 310.2	448612		

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 40264134

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	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-429SS	WT	G	—	—	6/22	1400	13.5	5	1	3	1	X	X	X		001
2	Trip Blank	—	—	—	—	—	—	—	2		2		X				002
3																	
4																	
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 (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
[signature] / SCS	6/22/23	1700							
Walter	6/23/23	0805	[signature]	6/23/23	0805	3.0	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Scott Freimark

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 6/22/23

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

Sample Preservation Receipt Form

Client Name: GFL Glacier Ridge Project # 407644134

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

Lab Lot# of pH paper. 1010723 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									1		1						3											1				X		2.5 / 5
002																	1											1						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					mH 10/23/23																													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	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40264134

40264134

Client Name: GFL Glacier Ridge

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

Tracking #: 3005997

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 - 120 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 3.0 /Corr: 3.0

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: 6/23/23 /Initials: mH

Labeled By Initials: AG

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.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 494		

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

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

November 16, 2023

Lonn Walter
GFL Enviromental
N7296 Hwy V
Horicon, WI 53032

RE: Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Dear Lonn Walter:

Enclosed are the analytical results for sample(s) received by the laboratory between October 10, 2023 and November 06, 2023. 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
Jake Margelofsky, GFL Enviromental
Frank Perugini, Environmental Sampling Corporation
Kari Rabideau, GFL Environmental
Ashley Radunzel, SCS ENGINEERS
ESC Staff, Environmental Sampling Corporation

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

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

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.: 40269267

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40269267001	**MW-1B**	Water	10/09/23 12:15	10/10/23 08:35
40269267002	**P-422B**	Water	10/09/23 14:20	10/10/23 08:35
40269267003	**TRIP BLANK**	Water	10/09/23 00:00	10/10/23 08:35
40269267004	**P-422B**	Water	10/06/23 00:00	11/06/23 15:25
40269267005	**MW-1B**	Water	10/06/23 00:00	11/06/23 15:25
40270391001	**P-401D**	Water	10/30/23 11:40	11/01/23 08:20
40270391002	**P-402E**	Water	10/30/23 11:15	11/01/23 08:20
40270391003	**P-423D**	Water	10/31/23 10:45	11/01/23 08:20
40270391004	**P-424D**	Water	10/30/23 14:45	11/01/23 08:20
40270391005	**P-424SS**	Water	10/30/23 14:20	11/01/23 08:20
40270391006	**P-426D**	Water	10/31/23 11:20	11/01/23 08:20
40270391007	**P-426SS**	Water	10/31/23 12:25	11/01/23 08:20
40270391008	**P-429SS**	Water	10/31/23 14:45	11/01/23 08:20
40270391009	**P-430D**	Water	10/30/23 10:40	11/01/23 08:20
40270391010	**TRIP BLANK**	Water	10/30/23 00:00	11/01/23 08:20
40270391011	**P-401D**	Water	10/06/23 00:00	11/06/23 13:56
40270391012	**P-402E**	Water	10/06/23 00:00	11/06/23 13:56
40270391013	**P-423D**	Water	10/06/23 00:00	11/06/23 13:56
40270391014	**P-424D**	Water	10/06/23 00:00	11/06/23 13:56
40270391015	**P-424SS**	Water	10/06/23 00:00	11/06/23 13:56
40270391016	**P-426D**	Water	10/06/23 00:00	11/06/23 13:56
40270391017	**P-426SS**	Water	10/06/23 00:00	11/06/23 13:56
40270391018	**P-429SS**	Water	10/06/23 00:00	11/06/23 13:56
40270391019	**P-430D**	Water	10/06/23 00:00	11/06/23 13:56

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SAMPLE ANALYTE COUNT

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40269267001	**MW-1B**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40269267002	**P-422B**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40269267003	**TRIP BLANK**	EPA 8260	EIB	45	PASI-G
40269267004	**P-422B**		AXL	1	PASI-G
40269267005	**MW-1B**		AXL	1	PASI-G
40270391001	**P-401D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40270391002	**P-402E**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40270391003	**P-423D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40270391004	**P-424D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40270391005	**P-424SS**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 310.2	MT	1	PASI-G
40270391006	**P-426D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40270391007	**P-426SS**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40270391008	**P-429SS**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40270391009	**P-430D**	EPA 6010D	SIS	1	PASI-G
		EPA 8260	EIB	45	PASI-G
			AXL	6	PASI-G
		EPA 300.0	HMB	1	PASI-G
		EPA 310.2	MT	1	PASI-G
40270391010	**TRIP BLANK**	EPA 8260	EIB	45	PASI-G
40270391011	**P-401D**		AXL	1	PASI-G
40270391012	**P-402E**		AXL	1	PASI-G
40270391013	**P-423D**		AXL	1	PASI-G
40270391014	**P-424D**		AXL	1	PASI-G
40270391015	**P-424SS**		AXL	1	PASI-G
40270391016	**P-426D**		AXL	1	PASI-G
40270391017	**P-426SS**		AXL	1	PASI-G
40270391018	**P-429SS**		AXL	1	PASI-G
40270391019	**P-430D**		AXL	1	PASI-G

PASI-G = Pace Analytical Services - Green Bay

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: MW-1B **Lab ID: 40269267001** Collected: 10/09/23 12:15 Received: 10/10/23 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	**374000**	ug/L	5400	1000	1		10/13/23 16:32		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/11/23 16:38	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		10/11/23 16:38	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/11/23 16:38	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/11/23 16:38	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/11/23 16:38	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/11/23 16:38	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/11/23 16:38	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/11/23 16:38	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/11/23 16:38	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/11/23 16:38	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/11/23 16:38	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		10/11/23 16:38	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		10/11/23 16:38	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/11/23 16:38	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/11/23 16:38	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		10/11/23 16:38	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/11/23 16:38	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		10/11/23 16:38	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/11/23 16:38	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/11/23 16:38	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/11/23 16:38	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		10/11/23 16:38	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/11/23 16:38	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/11/23 16:38	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/11/23 16:38	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/11/23 16:38	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/11/23 16:38	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/11/23 16:38	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/11/23 16:38	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		10/11/23 16:38	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/11/23 16:38	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/11/23 16:38	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/11/23 16:38	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/11/23 16:38	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/11/23 16:38	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/11/23 16:38	75-69-4	
Vinyl chloride	**10.7**	ug/L	1.0	0.17	1		10/11/23 16:38	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		10/11/23 16:38	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/11/23 16:38	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		10/11/23 16:38	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: MW-1B **Lab ID: 40269267001** Collected: 10/09/23 12:15 Received: 10/10/23 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		10/11/23 16:38	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		10/11/23 16:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/11/23 16:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/11/23 16:38	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		10/11/23 16:38	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.81**	Std. Units			1		10/09/23 12:15		
Field Specific Conductance	**859**	umhos/cm			1		10/09/23 12:15		
Turbidity	**N**	NTU			1		10/09/23 12:15		
Apparent Color	**N**	no units			1		10/09/23 12:15		
Odor	**N**	no units			1		10/09/23 12:15		
Temperature, Water (C)	**13.1**	deg C			1		10/09/23 12:15		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**213**	mg/L	20.0	5.9	10		10/24/23 06:24	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**246**	mg/L	25.0	7.4	1		10/13/23 08:57		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: P-422B **Lab ID: 40269267002** Collected: 10/09/23 14:20 Received: 10/10/23 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	**170000**	ug/L	5400	1000	1		10/13/23 16:38		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/11/23 16:58	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		10/11/23 16:58	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/11/23 16:58	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/11/23 16:58	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/11/23 16:58	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/11/23 16:58	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/11/23 16:58	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/11/23 16:58	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/11/23 16:58	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/11/23 16:58	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/11/23 16:58	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		10/11/23 16:58	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		10/11/23 16:58	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/11/23 16:58	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/11/23 16:58	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		10/11/23 16:58	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/11/23 16:58	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		10/11/23 16:58	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/11/23 16:58	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/11/23 16:58	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/11/23 16:58	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		10/11/23 16:58	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/11/23 16:58	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/11/23 16:58	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/11/23 16:58	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/11/23 16:58	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/11/23 16:58	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/11/23 16:58	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/11/23 16:58	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		10/11/23 16:58	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/11/23 16:58	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/11/23 16:58	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/11/23 16:58	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/11/23 16:58	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/11/23 16:58	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/11/23 16:58	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/11/23 16:58	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		10/11/23 16:58	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/11/23 16:58	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		10/11/23 16:58	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: P-422B **Lab ID: 40269267002** Collected: 10/09/23 14:20 Received: 10/10/23 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		10/11/23 16:58	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		10/11/23 16:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/11/23 16:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/11/23 16:58	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		10/11/23 16:58	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**8.19**	Std. Units			1		10/09/23 14:20		
Field Specific Conductance	**450**	umhos/cm			1		10/09/23 14:20		
Turbidity	**N**	NTU			1		10/09/23 14:20		
Apparent Color	**N**	no units			1		10/09/23 14:20		
Odor	**N**	no units			1		10/09/23 14:20		
Temperature, Water (C)	**9.2**	deg C			1		10/09/23 14:20		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**13.9**	mg/L	2.0	0.59	1		10/24/23 06:38	16887-00-6	B
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**208**	mg/L	25.0	7.4	1		10/13/23 08:58		

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.: 40269267

Sample: TRIP BLANK **Lab ID: 40269267003** Collected: 10/09/23 00:00 Received: 10/10/23 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		10/11/23 13:26	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		10/11/23 13:26	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		10/11/23 13:26	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		10/11/23 13:26	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		10/11/23 13:26	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		10/11/23 13:26	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		10/11/23 13:26	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		10/11/23 13:26	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		10/11/23 13:26	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		10/11/23 13:26	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		10/11/23 13:26	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		10/11/23 13:26	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		10/11/23 13:26	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		10/11/23 13:26	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		10/11/23 13:26	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		10/11/23 13:26	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		10/11/23 13:26	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		10/11/23 13:26	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		10/11/23 13:26	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		10/11/23 13:26	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		10/11/23 13:26	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		10/11/23 13:26	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		10/11/23 13:26	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		10/11/23 13:26	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		10/11/23 13:26	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		10/11/23 13:26	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		10/11/23 13:26	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		10/11/23 13:26	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		10/11/23 13:26	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		10/11/23 13:26	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		10/11/23 13:26	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		10/11/23 13:26	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		10/11/23 13:26	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		10/11/23 13:26	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		10/11/23 13:26	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		10/11/23 13:26	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		10/11/23 13:26	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		10/11/23 13:26	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		10/11/23 13:26	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		10/11/23 13:26	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		10/11/23 13:26	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		10/11/23 13:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/11/23 13:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/11/23 13:26	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.: 40269267

Sample: TRIP BLANK **Lab ID: 40269267003** Collected: 10/09/23 00:00 Received: 10/10/23 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)	97	%	70-130		1		10/11/23 13:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: P-422B **Lab ID: 40269267004** Collected: 10/06/23 00:00 Received: 11/06/23 15:25 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	**926.27**	feet			1		10/06/23 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: MW-1B **Lab ID: 40269267005** Collected: 10/06/23 00:00 Received: 11/06/23 15:25 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	**923.88**	feet			1		10/06/23 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: P-401D **Lab ID: 40270391001** Collected: 10/30/23 11:40 Received: 11/01/23 08:20 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	**319000**	ug/L	5400	1000	1		11/03/23 14:35		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 11:36	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		11/07/23 11:36	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 11:36	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/07/23 11:36	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/07/23 11:36	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/07/23 11:36	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 11:36	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/07/23 11:36	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/07/23 11:36	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/07/23 11:36	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/07/23 11:36	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/07/23 11:36	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/07/23 11:36	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/07/23 11:36	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 11:36	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		11/07/23 11:36	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/07/23 11:36	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		11/07/23 11:36	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/07/23 11:36	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/07/23 11:36	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/07/23 11:36	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		11/07/23 11:36	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/07/23 11:36	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/07/23 11:36	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/07/23 11:36	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/07/23 11:36	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 11:36	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/07/23 11:36	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/07/23 11:36	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		11/07/23 11:36	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/07/23 11:36	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/07/23 11:36	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/07/23 11:36	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/07/23 11:36	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/07/23 11:36	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 11:36	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/07/23 11:36	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/07/23 11:36	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/07/23 11:36	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		11/07/23 11:36	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.: 40269267

Sample: P-401D **Lab ID: 40270391001** Collected: 10/30/23 11:40 Received: 11/01/23 08:20 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		11/07/23 11:36	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		11/07/23 11:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/07/23 11:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		11/07/23 11:36	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		11/07/23 11:36	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.56**	Std. Units			1		10/30/23 11:40		
Field Specific Conductance	**721**	umhos/cm			1		10/30/23 11:40		
Turbidity	**N**	NTU			1		10/30/23 11:40		
Apparent Color	**N**	no units			1		10/30/23 11:40		
Odor	**N**	no units			1		10/30/23 11:40		
Temperature, Water (C)	**11.0**	deg C			1		10/30/23 11:40		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**19.2**	mg/L	2.0	0.59	1		11/14/23 04:23	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		11/07/23 10:36		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: P-402E **Lab ID: 40270391002** Collected: 10/30/23 11:15 Received: 11/01/23 08:20 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	**434000**	ug/L	5400	1000	1		11/03/23 14:37		
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		11/07/23 20:48	71-55-6	
1,1,2-Trichloroethane	**<0.86**	ug/L	2.5	0.86	2.5		11/07/23 20:48	79-00-5	
1,1-Dichloroethane	**<0.74**	ug/L	2.5	0.74	2.5		11/07/23 20:48	75-34-3	
1,1-Dichloroethene	**<1.5**	ug/L	2.5	1.5	2.5		11/07/23 20:48	75-35-4	
1,2-Dibromo-3-chloropropane	**<5.9**	ug/L	12.5	5.9	2.5		11/07/23 20:48	96-12-8	
1,2-Dibromoethane (EDB)	**<0.77**	ug/L	2.5	0.77	2.5		11/07/23 20:48	106-93-4	
1,2-Dichlorobenzene	**<0.81**	ug/L	2.5	0.81	2.5		11/07/23 20:48	95-50-1	
1,2-Dichloroethane	**<0.73**	ug/L	2.5	0.73	2.5		11/07/23 20:48	107-06-2	
1,2-Dichloropropane	**<1.1**	ug/L	2.5	1.1	2.5		11/07/23 20:48	78-87-5	
1,3-Dichlorobenzene	**<0.88**	ug/L	2.5	0.88	2.5		11/07/23 20:48	541-73-1	
1,4-Dichlorobenzene	**<2.2**	ug/L	2.5	2.2	2.5		11/07/23 20:48	106-46-7	
2-Butanone (MEK)	**<16.3**	ug/L	62.5	16.3	2.5		11/07/23 20:48	78-93-3	
Acetone	**<21.6**	ug/L	62.5	21.6	2.5		11/07/23 20:48	67-64-1	
Benzene	**<0.74**	ug/L	2.5	0.74	2.5		11/07/23 20:48	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	2.5	1.0	2.5		11/07/23 20:48	75-27-4	
Bromoform	**<1.1**	ug/L	2.5	1.1	2.5		11/07/23 20:48	75-25-2	
Bromomethane	**<3.0**	ug/L	12.5	3.0	2.5		11/07/23 20:48	74-83-9	
Carbon disulfide	**<1.6**	ug/L	2.5	1.6	2.5		11/07/23 20:48	75-15-0	
Carbon tetrachloride	**<0.92**	ug/L	2.5	0.92	2.5		11/07/23 20:48	56-23-5	
Chlorobenzene	**<2.1**	ug/L	2.5	2.1	2.5		11/07/23 20:48	108-90-7	
Chloroethane	**3.6J**	ug/L	12.5	3.4	2.5		11/07/23 20:48	75-00-3	
Chloroform	**<1.3**	ug/L	12.5	1.3	2.5		11/07/23 20:48	67-66-3	
Chloromethane	**<4.1**	ug/L	12.5	4.1	2.5		11/07/23 20:48	74-87-3	
Dibromochloromethane	**<6.6**	ug/L	12.5	6.6	2.5		11/07/23 20:48	124-48-1	
Dibromomethane	**<2.5**	ug/L	12.5	2.5	2.5		11/07/23 20:48	74-95-3	
Dichlorodifluoromethane	**<1.1**	ug/L	12.5	1.1	2.5		11/07/23 20:48	75-71-8	
Ethylbenzene	**<0.81**	ug/L	2.5	0.81	2.5		11/07/23 20:48	100-41-4	
Methyl-tert-butyl ether	**<2.8**	ug/L	12.5	2.8	2.5		11/07/23 20:48	1634-04-4	
Methylene Chloride	**<0.80**	ug/L	12.5	0.80	2.5		11/07/23 20:48	75-09-2	
Naphthalene	**<4.8**	ug/L	12.5	4.8	2.5		11/07/23 20:48	91-20-3	
Styrene	**<0.89**	ug/L	2.5	0.89	2.5		11/07/23 20:48	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	2.5	1.0	2.5		11/07/23 20:48	127-18-4	
Tetrahydrofuran	**<6.0**	ug/L	62.5	6.0	2.5		11/07/23 20:48	109-99-9	
Toluene	**<0.72**	ug/L	2.5	0.72	2.5		11/07/23 20:48	108-88-3	
Trichloroethene	**<0.80**	ug/L	2.5	0.80	2.5		11/07/23 20:48	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	2.5	1.0	2.5		11/07/23 20:48	75-69-4	
Vinyl chloride	**39.6**	ug/L	2.5	0.44	2.5		11/07/23 20:48	75-01-4	
Xylene (Total)	**<2.6**	ug/L	7.5	2.6	2.5		11/07/23 20:48	1330-20-7	
cis-1,2-Dichloroethene	**214**	ug/L	2.5	1.2	2.5		11/07/23 20:48	156-59-2	
cis-1,3-Dichloropropene	**<0.59**	ug/L	2.5	0.59	2.5		11/07/23 20:48	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.: 40269267

Sample: P-402E **Lab ID: 40270391002** Collected: 10/30/23 11:15 Received: 11/01/23 08:20 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	**5.5**	ug/L	2.5	1.3	2.5		11/07/23 20:48	156-60-5	
trans-1,3-Dichloropropene	**<0.66**	ug/L	2.5	0.66	2.5		11/07/23 20:48	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		2.5		11/07/23 20:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		2.5		11/07/23 20:48	2199-69-1	
Toluene-d8 (S)	100	%	70-130		2.5		11/07/23 20:48	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.23**	Std. Units			1		10/30/23 11:15		
Field Specific Conductance	**853**	umhos/cm			1		10/30/23 11:15		
Turbidity	**N**	NTU			1		10/30/23 11:15		
Apparent Color	**N**	no units			1		10/30/23 11:15		
Odor	**N**	no units			1		10/30/23 11:15		
Temperature, Water (C)	**10.8**	deg C			1		10/30/23 11:15		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**50.2**	mg/L	2.0	0.59	1		11/14/23 04:38	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		11/07/23 10:37		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: P-423D **Lab ID: 40270391003** Collected: 10/31/23 10:45 Received: 11/01/23 08:20 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	**410000**	ug/L	5400	1000	1		11/03/23 14:38		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 19:10	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		11/07/23 19:10	79-00-5	
1,1-Dichloroethane	**0.40J**	ug/L	1.0	0.30	1		11/07/23 19:10	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/07/23 19:10	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/07/23 19:10	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/07/23 19:10	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 19:10	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/07/23 19:10	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/07/23 19:10	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/07/23 19:10	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/07/23 19:10	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/07/23 19:10	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/07/23 19:10	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/07/23 19:10	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 19:10	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		11/07/23 19:10	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/07/23 19:10	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		11/07/23 19:10	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/07/23 19:10	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/07/23 19:10	108-90-7	
Chloroethane	**1.9J**	ug/L	5.0	1.4	1		11/07/23 19:10	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		11/07/23 19:10	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/07/23 19:10	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/07/23 19:10	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/07/23 19:10	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/07/23 19:10	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 19:10	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/07/23 19:10	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/07/23 19:10	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		11/07/23 19:10	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/07/23 19:10	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/07/23 19:10	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/07/23 19:10	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/07/23 19:10	108-88-3	
Trichloroethene	**0.70J**	ug/L	1.0	0.32	1		11/07/23 19:10	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 19:10	75-69-4	
Vinyl chloride	**3.6**	ug/L	1.0	0.17	1		11/07/23 19:10	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/07/23 19:10	1330-20-7	
cis-1,2-Dichloroethene	**62.8**	ug/L	1.0	0.47	1		11/07/23 19:10	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		11/07/23 19:10	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.: 40269267

Sample: P-423D **Lab ID: 40270391003** Collected: 10/31/23 10:45 Received: 11/01/23 08:20 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	**1.6**	ug/L	1.0	0.53	1		11/07/23 19:10	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		11/07/23 19:10	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		11/07/23 19:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		11/07/23 19:10	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		11/07/23 19:10	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**6.94**	Std. Units			1		10/31/23 10:45		
Field Specific Conductance	**922**	umhos/cm			1		10/31/23 10:45		
Turbidity	**N**	NTU			1		10/31/23 10:45		
Apparent Color	**N**	no units			1		10/31/23 10:45		
Odor	**N**	no units			1		10/31/23 10:45		
Temperature, Water (C)	**11.8**	deg C			1		10/31/23 10:45		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**30.5**	mg/L	2.0	0.59	1		11/14/23 04:52	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		11/07/23 10:44		

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.: 40269267

Sample: P-424D **Lab ID: 40270391004** Collected: 10/30/23 14:45 Received: 11/01/23 08:20 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	**430000**	ug/L	5400	1000	1		11/03/23 14:40		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 19:30	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		11/07/23 19:30	79-00-5	
1,1-Dichloroethane	**0.59J**	ug/L	1.0	0.30	1		11/07/23 19:30	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/07/23 19:30	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/07/23 19:30	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/07/23 19:30	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 19:30	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/07/23 19:30	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/07/23 19:30	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/07/23 19:30	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/07/23 19:30	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/07/23 19:30	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/07/23 19:30	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/07/23 19:30	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 19:30	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		11/07/23 19:30	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/07/23 19:30	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		11/07/23 19:30	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/07/23 19:30	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/07/23 19:30	108-90-7	
Chloroethane	**2.2J**	ug/L	5.0	1.4	1		11/07/23 19:30	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		11/07/23 19:30	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/07/23 19:30	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/07/23 19:30	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/07/23 19:30	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/07/23 19:30	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 19:30	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/07/23 19:30	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/07/23 19:30	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		11/07/23 19:30	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/07/23 19:30	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/07/23 19:30	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/07/23 19:30	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/07/23 19:30	108-88-3	
Trichloroethene	**1.1**	ug/L	1.0	0.32	1		11/07/23 19:30	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 19:30	75-69-4	
Vinyl chloride	**5.6**	ug/L	1.0	0.17	1		11/07/23 19:30	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/07/23 19:30	1330-20-7	
cis-1,2-Dichloroethene	**80.9**	ug/L	1.0	0.47	1		11/07/23 19:30	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		11/07/23 19:30	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.: 40269267

Sample: P-424D **Lab ID: 40270391004** Collected: 10/30/23 14:45 Received: 11/01/23 08:20 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	**2.1**	ug/L	1.0	0.53	1		11/07/23 19:30	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		11/07/23 19:30	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		11/07/23 19:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		11/07/23 19:30	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		11/07/23 19:30	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.21**	Std. Units			1		10/30/23 14:45		
Field Specific Conductance	**804**	umhos/cm			1		10/30/23 14:45		
Turbidity	**N**	NTU			1		10/30/23 14:45		
Apparent Color	**N**	no units			1		10/30/23 14:45		
Odor	**N**	no units			1		10/30/23 14:45		
Temperature, Water (C)	**12.4**	deg C			1		10/30/23 14:45		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**36.3**	mg/L	10.0	3.0	5		11/14/23 07:16	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**373**	mg/L	25.0	7.4	1		11/07/23 10:38		

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.: 40269267

Sample: P-424SS **Lab ID: 40270391005** Collected: 10/30/23 14:20 Received: 11/01/23 08:20 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	**302000**	ug/L	5400	1000	1		11/03/23 14:42		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 10:06	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		11/07/23 10:06	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 10:06	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/07/23 10:06	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/07/23 10:06	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/07/23 10:06	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 10:06	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/07/23 10:06	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/07/23 10:06	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/07/23 10:06	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/07/23 10:06	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/07/23 10:06	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/07/23 10:06	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/07/23 10:06	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 10:06	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		11/07/23 10:06	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/07/23 10:06	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		11/07/23 10:06	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/07/23 10:06	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/07/23 10:06	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/07/23 10:06	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		11/07/23 10:06	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/07/23 10:06	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/07/23 10:06	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/07/23 10:06	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/07/23 10:06	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 10:06	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/07/23 10:06	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/07/23 10:06	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		11/07/23 10:06	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/07/23 10:06	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/07/23 10:06	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/07/23 10:06	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/07/23 10:06	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/07/23 10:06	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 10:06	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/07/23 10:06	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/07/23 10:06	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/07/23 10:06	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		11/07/23 10:06	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.: 40269267

Sample: P-424SS **Lab ID: 40270391005** Collected: 10/30/23 14:20 Received: 11/01/23 08:20 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		11/07/23 10:06	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		11/07/23 10:06	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		11/07/23 10:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		11/07/23 10:06	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		11/07/23 10:06	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.20**	Std. Units			1		10/30/23 14:20		
Field Specific Conductance	**565**	umhos/cm			1		10/30/23 14:20		
Turbidity	**N**	NTU			1		10/30/23 14:20		
Apparent Color	**N**	no units			1		10/30/23 14:20		
Odor	**N**	no units			1		10/30/23 14:20		
Temperature, Water (C)	**13.2**	deg C			1		10/30/23 14:20		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**0.99J**	mg/L	2.0	0.59	1		11/14/23 07:59	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**316**	mg/L	25.0	7.4	1		11/07/23 10:39		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: P-426D **Lab ID: 40270391006** Collected: 10/31/23 11:20 Received: 11/01/23 08:20 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	**399000**	ug/L	5400	1000	1		11/03/23 14:44		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 10:38	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		11/07/23 10:38	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 10:38	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/07/23 10:38	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/07/23 10:38	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/07/23 10:38	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 10:38	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/07/23 10:38	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/07/23 10:38	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/07/23 10:38	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/07/23 10:38	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/07/23 10:38	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/07/23 10:38	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/07/23 10:38	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 10:38	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		11/07/23 10:38	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/07/23 10:38	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		11/07/23 10:38	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/07/23 10:38	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/07/23 10:38	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/07/23 10:38	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		11/07/23 10:38	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/07/23 10:38	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/07/23 10:38	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/07/23 10:38	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/07/23 10:38	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 10:38	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/07/23 10:38	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/07/23 10:38	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		11/07/23 10:38	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/07/23 10:38	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/07/23 10:38	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/07/23 10:38	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/07/23 10:38	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/07/23 10:38	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 10:38	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/07/23 10:38	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/07/23 10:38	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/07/23 10:38	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		11/07/23 10:38	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.: 40269267

Sample: P-426D **Lab ID: 40270391006** Collected: 10/31/23 11:20 Received: 11/01/23 08:20 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		11/07/23 10:38	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		11/07/23 10:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/07/23 10:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		11/07/23 10:38	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		11/07/23 10:38	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.24**	Std. Units			1		10/31/23 11:20		
Field Specific Conductance	**760**	umhos/cm			1		10/31/23 11:20		
Turbidity	**N**	NTU			1		10/31/23 11:20		
Apparent Color	**N**	no units			1		10/31/23 11:20		
Odor	**N**	no units			1		10/31/23 11:20		
Temperature, Water (C)	**11.5**	deg C			1		10/31/23 11:20		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**20.3**	mg/L	10.0	3.0	5		11/14/23 08:56	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**345**	mg/L	25.0	7.4	1		11/07/23 10:45		

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.: 40269267

Sample: P-426SS **Lab ID: 40270391007** Collected: 10/31/23 12:25 Received: 11/01/23 08:20 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	**446000**	ug/L	5400	1000	1		11/03/23 14:46		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 11:55	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		11/07/23 11:55	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 11:55	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/07/23 11:55	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/07/23 11:55	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/07/23 11:55	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 11:55	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/07/23 11:55	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/07/23 11:55	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/07/23 11:55	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/07/23 11:55	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/07/23 11:55	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/07/23 11:55	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/07/23 11:55	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 11:55	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		11/07/23 11:55	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/07/23 11:55	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		11/07/23 11:55	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/07/23 11:55	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/07/23 11:55	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/07/23 11:55	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		11/07/23 11:55	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/07/23 11:55	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/07/23 11:55	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/07/23 11:55	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/07/23 11:55	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 11:55	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/07/23 11:55	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/07/23 11:55	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		11/07/23 11:55	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/07/23 11:55	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/07/23 11:55	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/07/23 11:55	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/07/23 11:55	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/07/23 11:55	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 11:55	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/07/23 11:55	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/07/23 11:55	1330-20-7	
cis-1,2-Dichloroethene	**2.0**	ug/L	1.0	0.47	1		11/07/23 11:55	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		11/07/23 11:55	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.: 40269267

Sample: P-426SS **Lab ID: 40270391007** Collected: 10/31/23 12:25 Received: 11/01/23 08:20 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		11/07/23 11:55	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		11/07/23 11:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/07/23 11:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		11/07/23 11:55	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		11/07/23 11:55	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.26**	Std. Units			1		10/31/23 12:25		
Field Specific Conductance	**806**	umhos/cm			1		10/31/23 12:25		
Turbidity	**N**	NTU			1		10/31/23 12:25		
Apparent Color	**N**	no units			1		10/31/23 12:25		
Odor	**N**	no units			1		10/31/23 12:25		
Temperature, Water (C)	**12.0**	deg C			1		10/31/23 12:25		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**31.2**	mg/L	2.0	0.59	1		11/14/23 09:11	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**357**	mg/L	25.0	7.4	1		11/08/23 09:17		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: P-429SS **Lab ID: 40270391008** Collected: 10/31/23 14:45 Received: 11/01/23 08:20 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	**323000**	ug/L	5400	1000	1		11/03/23 14:52		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 10:57	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		11/07/23 10:57	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 10:57	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/07/23 10:57	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/07/23 10:57	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/07/23 10:57	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 10:57	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/07/23 10:57	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/07/23 10:57	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/07/23 10:57	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/07/23 10:57	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/07/23 10:57	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/07/23 10:57	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/07/23 10:57	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 10:57	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		11/07/23 10:57	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/07/23 10:57	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		11/07/23 10:57	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/07/23 10:57	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/07/23 10:57	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/07/23 10:57	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		11/07/23 10:57	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/07/23 10:57	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/07/23 10:57	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/07/23 10:57	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/07/23 10:57	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 10:57	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/07/23 10:57	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/07/23 10:57	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		11/07/23 10:57	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/07/23 10:57	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/07/23 10:57	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/07/23 10:57	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/07/23 10:57	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/07/23 10:57	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 10:57	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/07/23 10:57	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/07/23 10:57	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/07/23 10:57	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		11/07/23 10:57	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.: 40269267

Sample: P-429SS **Lab ID: 40270391008** Collected: 10/31/23 14:45 Received: 11/01/23 08:20 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		11/07/23 10:57	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		11/07/23 10:57	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/07/23 10:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		11/07/23 10:57	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		11/07/23 10:57	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.69**	Std. Units			1		10/31/23 14:45		
Field Specific Conductance	**622**	umhos/cm			1		10/31/23 14:45		
Turbidity	**N**	NTU			1		10/31/23 14:45		
Apparent Color	**N**	no units			1		10/31/23 14:45		
Odor	**N**	no units			1		10/31/23 14:45		
Temperature, Water (C)	**8.8**	deg C			1		10/31/23 14:45		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**1.9J**	mg/L	2.0	0.59	1		11/14/23 09:25	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**319**	mg/L	25.0	7.4	1		11/08/23 09:23		

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.: 40269267

Sample: P-430D **Lab ID: 40270391009** Collected: 10/30/23 10:40 Received: 11/01/23 08:20 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	**387000**	ug/L	5400	1000	1		11/03/23 14:54		
8260 MSV	Analytical Method: EPA 8260 Pace Analytical Services - Green Bay								
1,1,1-Trichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 18:12	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		11/07/23 18:12	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 18:12	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/07/23 18:12	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/07/23 18:12	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/07/23 18:12	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 18:12	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/07/23 18:12	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/07/23 18:12	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/07/23 18:12	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/07/23 18:12	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/07/23 18:12	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/07/23 18:12	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/07/23 18:12	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 18:12	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		11/07/23 18:12	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/07/23 18:12	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		11/07/23 18:12	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/07/23 18:12	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/07/23 18:12	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/07/23 18:12	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		11/07/23 18:12	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/07/23 18:12	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/07/23 18:12	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/07/23 18:12	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/07/23 18:12	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 18:12	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/07/23 18:12	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/07/23 18:12	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		11/07/23 18:12	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/07/23 18:12	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/07/23 18:12	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/07/23 18:12	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/07/23 18:12	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/07/23 18:12	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 18:12	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/07/23 18:12	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/07/23 18:12	1330-20-7	
cis-1,2-Dichloroethene	**14.8**	ug/L	1.0	0.47	1		11/07/23 18:12	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		11/07/23 18:12	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.: 40269267

Sample: P-430D **Lab ID: 40270391009** Collected: 10/30/23 10:40 Received: 11/01/23 08:20 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		11/07/23 18:12	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		11/07/23 18:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/07/23 18:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		11/07/23 18:12	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		11/07/23 18:12	2037-26-5	
Field Data	Analytical Method:								
	Pace Analytical Services - Green Bay								
Field pH	**7.30**	Std. Units			1		10/30/23 10:40		
Field Specific Conductance	**731**	umhos/cm			1		10/30/23 10:40		
Turbidity	**N**	NTU			1		10/30/23 10:40		
Apparent Color	**N**	no units			1		10/30/23 10:40		
Odor	**N**	no units			1		10/30/23 10:40		
Temperature, Water (C)	**11.0**	deg C			1		10/30/23 10:40		
300.0 IC Anions, Dissolved	Analytical Method: EPA 300.0								
	Pace Analytical Services - Green Bay								
Chloride, Dissolved	**21.7**	mg/L	2.0	0.59	1		11/14/23 09:39	16887-00-6	
310.2 Alkalinity, Dissolved	Analytical Method: EPA 310.2								
	Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO3, Dissolved	**358**	mg/L	25.0	7.4	1		11/07/23 10:43		

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.: 40269267

Sample: TRIP BLANK **Lab ID: 40270391010** Collected: 10/30/23 00:00 Received: 11/01/23 08:20 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		11/07/23 16:55	71-55-6	
1,1,2-Trichloroethane	**<0.34**	ug/L	1.0	0.34	1		11/07/23 16:55	79-00-5	
1,1-Dichloroethane	**<0.30**	ug/L	1.0	0.30	1		11/07/23 16:55	75-34-3	
1,1-Dichloroethene	**<0.58**	ug/L	1.0	0.58	1		11/07/23 16:55	75-35-4	
1,2-Dibromo-3-chloropropane	**<2.4**	ug/L	5.0	2.4	1		11/07/23 16:55	96-12-8	
1,2-Dibromoethane (EDB)	**<0.31**	ug/L	1.0	0.31	1		11/07/23 16:55	106-93-4	
1,2-Dichlorobenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 16:55	95-50-1	
1,2-Dichloroethane	**<0.29**	ug/L	1.0	0.29	1		11/07/23 16:55	107-06-2	
1,2-Dichloropropane	**<0.45**	ug/L	1.0	0.45	1		11/07/23 16:55	78-87-5	
1,3-Dichlorobenzene	**<0.35**	ug/L	1.0	0.35	1		11/07/23 16:55	541-73-1	
1,4-Dichlorobenzene	**<0.89**	ug/L	1.0	0.89	1		11/07/23 16:55	106-46-7	
2-Butanone (MEK)	**<6.5**	ug/L	25.0	6.5	1		11/07/23 16:55	78-93-3	
Acetone	**<8.6**	ug/L	25.0	8.6	1		11/07/23 16:55	67-64-1	
Benzene	**<0.30**	ug/L	1.0	0.30	1		11/07/23 16:55	71-43-2	
Bromodichloromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 16:55	75-27-4	
Bromoform	**<0.43**	ug/L	1.0	0.43	1		11/07/23 16:55	75-25-2	
Bromomethane	**<1.2**	ug/L	5.0	1.2	1		11/07/23 16:55	74-83-9	
Carbon disulfide	**<0.65**	ug/L	1.0	0.65	1		11/07/23 16:55	75-15-0	
Carbon tetrachloride	**<0.37**	ug/L	1.0	0.37	1		11/07/23 16:55	56-23-5	
Chlorobenzene	**<0.86**	ug/L	1.0	0.86	1		11/07/23 16:55	108-90-7	
Chloroethane	**<1.4**	ug/L	5.0	1.4	1		11/07/23 16:55	75-00-3	
Chloroform	**<0.50**	ug/L	5.0	0.50	1		11/07/23 16:55	67-66-3	
Chloromethane	**<1.6**	ug/L	5.0	1.6	1		11/07/23 16:55	74-87-3	
Dibromochloromethane	**<2.6**	ug/L	5.0	2.6	1		11/07/23 16:55	124-48-1	
Dibromomethane	**<0.99**	ug/L	5.0	0.99	1		11/07/23 16:55	74-95-3	
Dichlorodifluoromethane	**<0.46**	ug/L	5.0	0.46	1		11/07/23 16:55	75-71-8	
Ethylbenzene	**<0.33**	ug/L	1.0	0.33	1		11/07/23 16:55	100-41-4	
Methyl-tert-butyl ether	**<1.1**	ug/L	5.0	1.1	1		11/07/23 16:55	1634-04-4	
Methylene Chloride	**<0.32**	ug/L	5.0	0.32	1		11/07/23 16:55	75-09-2	
Naphthalene	**<1.9**	ug/L	5.0	1.9	1		11/07/23 16:55	91-20-3	
Styrene	**<0.36**	ug/L	1.0	0.36	1		11/07/23 16:55	100-42-5	
Tetrachloroethene	**<0.41**	ug/L	1.0	0.41	1		11/07/23 16:55	127-18-4	
Tetrahydrofuran	**<2.4**	ug/L	25.0	2.4	1		11/07/23 16:55	109-99-9	
Toluene	**<0.29**	ug/L	1.0	0.29	1		11/07/23 16:55	108-88-3	
Trichloroethene	**<0.32**	ug/L	1.0	0.32	1		11/07/23 16:55	79-01-6	
Trichlorofluoromethane	**<0.42**	ug/L	1.0	0.42	1		11/07/23 16:55	75-69-4	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		11/07/23 16:55	75-01-4	
Xylene (Total)	**<1.0**	ug/L	3.0	1.0	1		11/07/23 16:55	1330-20-7	
cis-1,2-Dichloroethene	**<0.47**	ug/L	1.0	0.47	1		11/07/23 16:55	156-59-2	
cis-1,3-Dichloropropene	**<0.24**	ug/L	1.0	0.24	1		11/07/23 16:55	10061-01-5	
trans-1,2-Dichloroethene	**<0.53**	ug/L	1.0	0.53	1		11/07/23 16:55	156-60-5	
trans-1,3-Dichloropropene	**<0.27**	ug/L	1.0	0.27	1		11/07/23 16:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		11/07/23 16:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		11/07/23 16:55	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.: 40269267

Sample: TRIP BLANK **Lab ID: 40270391010** Collected: 10/30/23 00:00 Received: 11/01/23 08:20 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)	102	%	70-130		1		11/07/23 16:55	2037-26-5	

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.: 40269267

Sample: P-401D **Lab ID: 40270391011** Collected: 10/06/23 00:00 Received: 11/06/23 13:56 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	**848.45**	feet			1		10/06/23 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: P-402E **Lab ID: 40270391012** Collected: 10/06/23 00:00 Received: 11/06/23 13:56 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	**848.48**	feet			1		10/06/23 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: P-423D **Lab ID: 40270391013** Collected: 10/06/23 00:00 Received: 11/06/23 13:56 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	**847.09**	feet			1		10/06/23 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.: 40269267

Sample: P-424D **Lab ID: 40270391014** Collected: 10/06/23 00:00 Received: 11/06/23 13:56 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	**847.35**	feet			1		10/06/23 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.: 40269267

Sample: P-424SS **Lab ID: 40270391015** Collected: 10/06/23 00:00 Received: 11/06/23 13:56 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	**846.68**	feet			1		10/06/23 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.: 40269267

Sample: P-426D **Lab ID: 40270391016** Collected: 10/06/23 00:00 Received: 11/06/23 13:56 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	**847.00**	feet			1		10/06/23 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.: 40269267

Sample: P-426SS **Lab ID: 40270391017** Collected: 10/06/23 00:00 Received: 11/06/23 13:56 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	**844.20**	feet			1		10/06/23 00:00		

REPORT OF LABORATORY ANALYSIS

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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

Sample: P-429SS **Lab ID: 40270391018** Collected: 10/06/23 00:00 Received: 11/06/23 13:56 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	**835.44**	feet			1		10/06/23 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.: 40269267

Sample: P-430D **Lab ID: 40270391019** Collected: 10/06/23 00:00 Received: 11/06/23 13:56 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	**883.74**	feet			1		10/06/23 00:00		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

QC Batch: 457466
QC Batch Method: EPA 6010D
Analysis Method: EPA 6010D
Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40269267001, 40269267002

METHOD BLANK: 2627128 Matrix: Water
Associated Lab Samples: 40269267001, 40269267002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L	<1000	5400	10/13/23 16:28	

LABORATORY CONTROL SAMPLE: 2627129

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L		69700			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2627130 2627131

Parameter	Units	40269267001 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	374000			441000	439000				0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

QC Batch: 459380 — Analysis Method: EPA 6010D
QC Batch Method: EPA 6010D — Analysis Description: ICP Metals, Trace, Dissolved
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40270391001, 40270391002, 40270391003, 40270391004, 40270391005, 40270391006, 40270391007, 40270391008, 40270391009

METHOD BLANK: 2638205 — Matrix: Water
Associated Lab Samples: 40270391001, 40270391002, 40270391003, 40270391004, 40270391005, 40270391006, 40270391007, 40270391008, 40270391009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L	<1000	5400	11/03/23 14:06	

LABORATORY CONTROL SAMPLE: 2638206

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Hardness by 2340B, Dissolved	ug/L		69100			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2638207 2638208

Parameter	Units	40270371002 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	407 mg/L			471000	471000				0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

QC Batch: 457146
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40269267001, 40269267002, 40269267003

METHOD BLANK: 2625142 Matrix: Water
Associated Lab Samples: 40269267001, 40269267002, 40269267003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	10/11/23 09:35	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	10/11/23 09:35	
1,1-Dichloroethane	ug/L	<0.30	1.0	10/11/23 09:35	
1,1-Dichloroethene	ug/L	<0.58	1.0	10/11/23 09:35	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	10/11/23 09:35	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	10/11/23 09:35	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	10/11/23 09:35	
1,2-Dichloroethane	ug/L	<0.29	1.0	10/11/23 09:35	
1,2-Dichloropropane	ug/L	<0.45	1.0	10/11/23 09:35	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	10/11/23 09:35	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	10/11/23 09:35	
2-Butanone (MEK)	ug/L	<6.5	25.0	10/11/23 09:35	
Acetone	ug/L	<8.6	25.0	10/11/23 09:35	
Benzene	ug/L	<0.30	1.0	10/11/23 09:35	
Bromodichloromethane	ug/L	<0.42	1.0	10/11/23 09:35	
Bromoform	ug/L	<0.43	1.0	10/11/23 09:35	
Bromomethane	ug/L	<1.2	5.0	10/11/23 09:35	
Carbon disulfide	ug/L	<0.65	1.0	10/11/23 09:35	
Carbon tetrachloride	ug/L	<0.37	1.0	10/11/23 09:35	
Chlorobenzene	ug/L	<0.86	1.0	10/11/23 09:35	
Chloroethane	ug/L	<1.4	5.0	10/11/23 09:35	
Chloroform	ug/L	<0.50	5.0	10/11/23 09:35	
Chloromethane	ug/L	<1.6	5.0	10/11/23 09:35	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	10/11/23 09:35	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	10/11/23 09:35	
Dibromochloromethane	ug/L	<2.6	5.0	10/11/23 09:35	
Dibromomethane	ug/L	<0.99	5.0	10/11/23 09:35	
Dichlorodifluoromethane	ug/L	<0.46	5.0	10/11/23 09:35	
Ethylbenzene	ug/L	<0.33	1.0	10/11/23 09:35	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	10/11/23 09:35	
Methylene Chloride	ug/L	<0.32	5.0	10/11/23 09:35	
Naphthalene	ug/L	<1.9	5.0	10/11/23 09:35	
Styrene	ug/L	<0.36	1.0	10/11/23 09:35	
Tetrachloroethene	ug/L	<0.41	1.0	10/11/23 09:35	
Tetrahydrofuran	ug/L	<2.4	25.0	10/11/23 09:35	
Toluene	ug/L	<0.29	1.0	10/11/23 09:35	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	10/11/23 09:35	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	10/11/23 09:35	
Trichloroethene	ug/L	<0.32	1.0	10/11/23 09:35	
Trichlorofluoromethane	ug/L	<0.42	1.0	10/11/23 09:35	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

METHOD BLANK: 2625142 Matrix: Water
Associated Lab Samples: 40269267001, 40269267002, 40269267003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	<0.17	1.0	10/11/23 09:35	
Xylene (Total)	ug/L	<1.0	3.0	10/11/23 09:35	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	10/11/23 09:35	
4-Bromofluorobenzene (S)	%	102	70-130	10/11/23 09:35	
Toluene-d8 (S)	%	97	70-130	10/11/23 09:35	

LABORATORY CONTROL SAMPLE: 2625143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	59.2	118	70-132	
1,1,2-Trichloroethane	ug/L	50	46.6	93	70-130	
1,1-Dichloroethane	ug/L	50	60.3	121	70-130	
1,1-Dichloroethene	ug/L	50	51.5	103	73-140	
1,2-Dibromo-3-chloropropane	ug/L	50	34.2	68	58-130	
1,2-Dibromoethane (EDB)	ug/L	50	42.8	86	70-130	
1,2-Dichlorobenzene	ug/L	50	43.1	86	70-130	
1,2-Dichloroethane	ug/L	50	55.1	110	70-130	
1,2-Dichloropropane	ug/L	50	56.3	113	77-127	
1,3-Dichlorobenzene	ug/L	50	44.8	90	70-130	
1,4-Dichlorobenzene	ug/L	50	42.5	85	70-130	
Benzene	ug/L	50	58.4	117	70-130	
Bromodichloromethane	ug/L	50	56.9	114	70-130	
Bromoform	ug/L	50	47.2	94	70-130	
Bromomethane	ug/L	50	43.9	88	22-141	
Carbon disulfide	ug/L	50	47.0	94	65-141	
Carbon tetrachloride	ug/L	50	63.9	128	70-135	
Chlorobenzene	ug/L	50	49.9	100	70-130	
Chloroethane	ug/L	50	51.1	102	59-141	
Chloroform	ug/L	50	59.3	119	80-124	
Chloromethane	ug/L	50	56.0	112	29-150	
cis-1,2-Dichloroethene	ug/L	50	55.5	111	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.7	105	70-130	
Dibromochloromethane	ug/L	50	48.1	96	70-130	
Dichlorodifluoromethane	ug/L	50	62.3	125	10-147	
Ethylbenzene	ug/L	50	49.5	99	80-125	
Methyl-tert-butyl ether	ug/L	50	43.3	87	64-131	
Methylene Chloride	ug/L	50	51.5	103	70-137	
Styrene	ug/L	50	54.7	109	70-130	
Tetrachloroethene	ug/L	50	48.5	97	70-130	
Toluene	ug/L	50	50.2	100	80-120	
trans-1,2-Dichloroethene	ug/L	50	52.1	104	70-131	
trans-1,3-Dichloropropene	ug/L	50	43.8	88	70-130	
Trichloroethene	ug/L	50	55.2	110	70-130	
Trichlorofluoromethane	ug/L	50	51.6	103	69-141	

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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.: 40269267

LABORATORY CONTROL SAMPLE: 2625143

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	50.0	100	51-145	
Xylene (Total)	ug/L	150	145	97	70-130	
1,2-Dichlorobenzene-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2625191 2625192

Parameter	Units	40269256014 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	54.8	58.0	110	116	70-132	6	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	42.0	47.1	84	94	70-130	11	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	54.9	59.0	110	118	70-131	7	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	47.0	49.9	94	100	69-146	6	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	33.0	35.1	66	70	56-130	6	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	38.9	42.9	78	86	70-130	10	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	39.4	42.1	79	84	70-130	7	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	50.4	54.6	101	109	70-130	8	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	50.8	55.5	102	111	77-129	9	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	41.4	45.1	83	90	70-130	9	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	40.1	42.6	80	85	70-130	6	20	
Benzene	ug/L	<0.30	50	50	53.6	56.7	107	113	70-130	6	20	
Bromodichloromethane	ug/L	<0.42	50	50	51.1	56.1	102	112	70-130	9	20	
Bromoform	ug/L	<0.43	50	50	42.8	48.0	86	96	70-130	11	20	
Bromomethane	ug/L	<1.2	50	50	42.5	45.4	85	91	12-159	7	26	
Carbon disulfide	ug/L	<0.65	50	50	43.5	46.0	87	92	62-145	6	20	
Carbon tetrachloride	ug/L	<0.37	50	50	58.9	63.2	118	126	70-135	7	20	
Chlorobenzene	ug/L	<0.86	50	50	44.6	49.5	89	99	70-130	10	20	
Chloroethane	ug/L	<1.4	50	50	45.7	49.5	91	99	56-143	8	20	
Chloroform	ug/L	<0.50	50	50	54.6	58.2	109	116	80-126	6	20	
Chloromethane	ug/L	<1.6	50	50	51.2	54.3	102	109	22-156	6	20	
cis-1,2-Dichloroethene	ug/L	2.6	50	50	53.6	57.3	102	109	70-130	7	20	
cis-1,3-Dichloropropene	ug/L	<0.24	50	50	45.7	53.2	91	106	70-130	15	20	
Dibromochloromethane	ug/L	<2.6	50	50	42.9	48.8	86	98	70-130	13	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	57.6	60.2	115	120	10-147	4	20	
Ethylbenzene	ug/L	<0.33	50	50	44.6	48.7	89	97	80-126	9	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	39.2	41.7	78	83	64-136	6	20	
Methylene Chloride	ug/L	<0.32	50	50	46.0	51.3	92	103	70-137	11	20	
Styrene	ug/L	<0.36	50	50	48.5	53.9	97	108	70-133	11	20	
Tetrachloroethene	ug/L	<0.41	50	50	42.8	48.4	86	97	70-131	12	20	
Toluene	ug/L	<0.29	50	50	44.8	48.7	90	97	80-121	8	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	47.8	48.1	96	96	70-135	1	20	
trans-1,3-Dichloropropene	ug/L	<0.27	50	50	39.4	42.5	79	85	70-130	8	20	
Trichloroethene	ug/L	6.4	50	50	58.7	61.9	105	111	70-130	5	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2625191 2625192

Parameter	Units	40269256014 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	47.2	49.9	94	100	67-142	6	20	
Vinyl chloride	ug/L	<0.17	50	50	47.3	48.5	95	97	45-147	3	20	
Xylene (Total)	ug/L	<1.0	150	150	129	140	86	94	70-130	8	20	
1,2-Dichlorobenzene-d4 (S)	%						98	96	70-130			
4-Bromofluorobenzene (S)	%						102	98	70-130			
Toluene-d8 (S)	%						96	97	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

QC Batch: 459492
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40270391001, 40270391002, 40270391003, 40270391004, 40270391005, 40270391006, 40270391007, 40270391008, 40270391009, 40270391010

METHOD BLANK: 2638867
Matrix: Water
Associated Lab Samples: 40270391001, 40270391002, 40270391003, 40270391004, 40270391005, 40270391006, 40270391007, 40270391008, 40270391009, 40270391010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<0.30	1.0	11/07/23 08:29	
1,1,2-Trichloroethane	ug/L	<0.34	1.0	11/07/23 08:29	
1,1-Dichloroethane	ug/L	<0.30	1.0	11/07/23 08:29	
1,1-Dichloroethene	ug/L	<0.58	1.0	11/07/23 08:29	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	5.0	11/07/23 08:29	
1,2-Dibromoethane (EDB)	ug/L	<0.31	1.0	11/07/23 08:29	
1,2-Dichlorobenzene	ug/L	<0.33	1.0	11/07/23 08:29	
1,2-Dichloroethane	ug/L	<0.29	1.0	11/07/23 08:29	
1,2-Dichloropropane	ug/L	<0.45	1.0	11/07/23 08:29	
1,3-Dichlorobenzene	ug/L	<0.35	1.0	11/07/23 08:29	
1,4-Dichlorobenzene	ug/L	<0.89	1.0	11/07/23 08:29	
2-Butanone (MEK)	ug/L	<6.5	25.0	11/07/23 08:29	
Acetone	ug/L	<8.6	25.0	11/07/23 08:29	
Benzene	ug/L	<0.30	1.0	11/07/23 08:29	
Bromodichloromethane	ug/L	<0.42	1.0	11/07/23 08:29	
Bromoform	ug/L	<0.43	1.0	11/07/23 08:29	
Bromomethane	ug/L	<1.2	5.0	11/07/23 08:29	
Carbon disulfide	ug/L	<0.65	1.0	11/07/23 08:29	
Carbon tetrachloride	ug/L	<0.37	1.0	11/07/23 08:29	
Chlorobenzene	ug/L	<0.86	1.0	11/07/23 08:29	
Chloroethane	ug/L	<1.4	5.0	11/07/23 08:29	
Chloroform	ug/L	<0.50	5.0	11/07/23 08:29	
Chloromethane	ug/L	<1.6	5.0	11/07/23 08:29	
cis-1,2-Dichloroethene	ug/L	<0.47	1.0	11/07/23 08:29	
cis-1,3-Dichloropropene	ug/L	<0.24	1.0	11/07/23 08:29	
Dibromochloromethane	ug/L	<2.6	5.0	11/07/23 08:29	
Dibromomethane	ug/L	<0.99	5.0	11/07/23 08:29	
Dichlorodifluoromethane	ug/L	<0.46	5.0	11/07/23 08:29	
Ethylbenzene	ug/L	<0.33	1.0	11/07/23 08:29	
Methyl-tert-butyl ether	ug/L	<1.1	5.0	11/07/23 08:29	
Methylene Chloride	ug/L	<0.32	5.0	11/07/23 08:29	
Naphthalene	ug/L	<1.9	5.0	11/07/23 08:29	
Styrene	ug/L	<0.36	1.0	11/07/23 08:29	
Tetrachloroethene	ug/L	<0.41	1.0	11/07/23 08:29	
Tetrahydrofuran	ug/L	<2.4	25.0	11/07/23 08:29	
Toluene	ug/L	<0.29	1.0	11/07/23 08:29	
trans-1,2-Dichloroethene	ug/L	<0.53	1.0	11/07/23 08:29	
trans-1,3-Dichloropropene	ug/L	<0.27	1.0	11/07/23 08:29	
Trichloroethene	ug/L	<0.32	1.0	11/07/23 08:29	

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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.: 40269267

METHOD BLANK: 2638867 Matrix: Water

Associated Lab Samples: 40270391001, 40270391002, 40270391003, 40270391004, 40270391005, 40270391006, 40270391007, 40270391008, 40270391009, 40270391010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	<0.42	1.0	11/07/23 08:29	
Vinyl chloride	ug/L	<0.17	1.0	11/07/23 08:29	
Xylene (Total)	ug/L	<1.0	3.0	11/07/23 08:29	
1,2-Dichlorobenzene-d4 (S)	%	98	70-130	11/07/23 08:29	
4-Bromofluorobenzene (S)	%	101	70-130	11/07/23 08:29	
Toluene-d8 (S)	%	102	70-130	11/07/23 08:29	

LABORATORY CONTROL SAMPLE: 2638868

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.1	110	70-132	
1,1,2-Trichloroethane	ug/L	50	51.3	103	70-130	
1,1-Dichloroethane	ug/L	50	54.3	109	70-130	
1,1-Dichloroethene	ug/L	50	49.9	100	73-140	
1,2-Dibromo-3-chloropropane	ug/L	50	37.5	75	58-130	
1,2-Dibromoethane (EDB)	ug/L	50	47.4	95	70-130	
1,2-Dichlorobenzene	ug/L	50	48.5	97	70-130	
1,2-Dichloroethane	ug/L	50	56.3	113	70-130	
1,2-Dichloropropane	ug/L	50	51.2	102	77-127	
1,3-Dichlorobenzene	ug/L	50	51.0	102	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	53.6	107	70-130	
Bromodichloromethane	ug/L	50	52.1	104	70-130	
Bromoform	ug/L	50	49.1	98	70-130	
Bromomethane	ug/L	50	45.7	91	22-141	
Carbon disulfide	ug/L	50	46.4	93	65-141	
Carbon tetrachloride	ug/L	50	57.7	115	70-135	
Chlorobenzene	ug/L	50	52.7	105	70-130	
Chloroethane	ug/L	50	51.0	102	59-141	
Chloroform	ug/L	50	55.7	111	80-124	
Chloromethane	ug/L	50	50.2	100	29-150	
cis-1,2-Dichloroethene	ug/L	50	52.5	105	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.5	99	70-130	
Dibromochloromethane	ug/L	50	51.2	102	70-130	
Dichlorodifluoromethane	ug/L	50	53.0	106	10-147	
Ethylbenzene	ug/L	50	53.7	107	80-125	
Methyl-tert-butyl ether	ug/L	50	44.0	88	64-131	
Methylene Chloride	ug/L	50	49.0	98	70-137	
Styrene	ug/L	50	59.9	120	70-130	
Tetrachloroethene	ug/L	50	51.6	103	70-130	
Toluene	ug/L	50	51.8	104	80-120	
trans-1,2-Dichloroethene	ug/L	50	49.0	98	70-131	
trans-1,3-Dichloropropene	ug/L	50	42.3	85	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.: 40269267

LABORATORY CONTROL SAMPLE: 2638868

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichloroethene	ug/L	50	49.4	99	70-130	
Trichlorofluoromethane	ug/L	50	53.0	106	69-141	
Vinyl chloride	ug/L	50	50.3	101	51-145	
Xylene (Total)	ug/L	150	156	104	70-130	
1,2-Dichlorobenzene-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2639981 2639982

Parameter	Units	40270391005 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	57.2	56.5	114	113	70-132	1	20	
1,1,2-Trichloroethane	ug/L	<0.34	50	50	51.5	51.5	103	103	70-130	0	20	
1,1-Dichloroethane	ug/L	<0.30	50	50	54.6	54.7	109	109	70-131	0	20	
1,1-Dichloroethene	ug/L	<0.58	50	50	52.6	50.9	105	102	69-146	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.4	50	50	37.6	37.0	75	74	56-130	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.31	50	50	48.1	46.8	96	94	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.33	50	50	48.6	48.2	97	96	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.29	50	50	55.5	55.4	111	111	70-130	0	20	
1,2-Dichloropropane	ug/L	<0.45	50	50	53.5	54.1	107	108	77-129	1	20	
1,3-Dichlorobenzene	ug/L	<0.35	50	50	51.3	51.7	103	103	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.89	50	50	49.5	49.2	99	98	70-130	1	20	
Benzene	ug/L	<0.30	50	50	55.0	54.5	110	109	70-130	1	20	
Bromodichloromethane	ug/L	<0.42	50	50	53.5	53.5	107	107	70-130	0	20	
Bromoform	ug/L	<0.43	50	50	51.7	50.7	103	101	70-130	2	20	
Bromomethane	ug/L	<1.2	50	50	51.4	51.1	103	102	12-159	1	26	
Carbon disulfide	ug/L	<0.65	50	50	46.8	46.7	94	93	62-145	0	20	
Carbon tetrachloride	ug/L	<0.37	50	50	60.1	58.4	120	117	70-135	3	20	
Chlorobenzene	ug/L	<0.86	50	50	53.9	53.0	108	106	70-130	2	20	
Chloroethane	ug/L	<1.4	50	50	56.5	51.0	113	102	56-143	10	20	
Chloroform	ug/L	<0.50	50	50	58.6	57.7	117	115	80-126	1	20	
Chloromethane	ug/L	<1.6	50	50	51.2	50.7	102	101	22-156	1	20	
cis-1,2-Dichloroethene	ug/L	<0.47	50	50	54.1	54.2	108	108	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	<0.24	50	50	51.8	52.0	104	104	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	50	50	51.1	51.3	102	103	70-130	0	20	
Dichlorodifluoromethane	ug/L	<0.46	50	50	49.1	48.3	98	97	10-147	2	20	
Ethylbenzene	ug/L	<0.33	50	50	54.7	53.6	109	107	80-126	2	20	
Methyl-tert-butyl ether	ug/L	<1.1	50	50	45.9	44.8	92	90	64-136	2	20	
Methylene Chloride	ug/L	<0.32	50	50	50.1	49.9	100	100	70-137	1	20	
Styrene	ug/L	<0.36	50	50	63.0	61.7	126	123	70-133	2	20	
Tetrachloroethene	ug/L	<0.41	50	50	50.5	51.5	101	103	70-131	2	20	
Toluene	ug/L	<0.29	50	50	52.0	50.4	104	101	80-121	3	20	
trans-1,2-Dichloroethene	ug/L	<0.53	50	50	51.2	50.3	102	101	70-135	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.: 40269267

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2639981 2639982

Parameter	Units	40270391005 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	<0.27	50	50	43.2	43.5	86	87	70-130	1	20	
Trichloroethene	ug/L	<0.32	50	50	50.1	50.5	100	101	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.42	50	50	53.6	53.0	107	106	67-142	1	20	
Vinyl chloride	ug/L	<0.17	50	50	50.8	50.1	102	100	45-147	1	20	
Xylene (Total)	ug/L	<1.0	150	150	159	155	106	104	70-130	2	20	
1,2-Dichlorobenzene-d4 (S)	%						97	99	70-130			
4-Bromofluorobenzene (S)	%						98	98	70-130			
Toluene-d8 (S)	%						100	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.: 40269267

QC Batch: 457790
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: 40269267001, 40269267002

METHOD BLANK: 2629066 Matrix: Water
Associated Lab Samples: 40269267001, 40269267002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	1.5J	2.0	10/24/23 02:11	

LABORATORY CONTROL SAMPLE: 2629067

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.7	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2629068 2629069

Parameter	Units	40269474006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	124	200	200	335	330	105	103	90-110	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2629070 2629071

Parameter	Units	40269289008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	23.7	20	20	44.1	44.3	102	103	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.: 40269267

QC Batch: 460139
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: 40270391001, 40270391002, 40270391003

METHOD BLANK: 2642474 Matrix: Water
Associated Lab Samples: 40270391001, 40270391002, 40270391003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.59	2.0	11/13/23 21:41	

LABORATORY CONTROL SAMPLE: 2642475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.2	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2642476 2642477

Parameter	Units	40270381013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	46.3	100	100	155	152	109	105	90-110	2	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2642478 2642479

Parameter	Units	40270391003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	30.5	20	20	51.0	51.1	103	103	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.: 40269267

QC Batch: 460150
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: 40270391004, 40270391005, 40270391006, 40270391007, 40270391008, 40270391009

METHOD BLANK: 2642766 Matrix: Water
Associated Lab Samples: 40270391004, 40270391005, 40270391006, 40270391007, 40270391008, 40270391009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.59	2.0	11/14/23 06:47	

LABORATORY CONTROL SAMPLE: 2642767

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	21.2	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2642768 2642769

Parameter	Units	40270391004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	36.3	100	100	142	142	106	106	90-110	0	15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

QC Batch: 457290
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: 40269267001, 40269267002

METHOD BLANK: 2625976 Matrix: Water
Associated Lab Samples: 40269267001, 40269267002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<7.4	25.0	10/13/23 08:35	

LABORATORY CONTROL SAMPLE: 2625977

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	101	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2625978 2625979

Parameter	Units	40269299010 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	463	200	200	657	670	97	104	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2625980 2625981

Parameter	Units	40269289006 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	355	200	200	559	557	102	101	90-110	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

QC Batch: 459664
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: 40270391001, 40270391002, 40270391003, 40270391004, 40270391005, 40270391006, 40270391009

METHOD BLANK: 2639749 Matrix: Water
Associated Lab Samples: 40270391001, 40270391002, 40270391003, 40270391004, 40270391005, 40270391006, 40270391009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<7.4	25.0	11/07/23 11:24	

LABORATORY CONTROL SAMPLE: 2639750

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	106	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2639751 2639752

Parameter	Units	40270284007 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	520	200	200	712	709	96	94	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

QC Batch: 459734
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: 40270391007, 40270391008

METHOD BLANK: 2640165 Matrix: Water
Associated Lab Samples: 40270391007, 40270391008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	<7.4	25.0	11/08/23 09:15	

LABORATORY CONTROL SAMPLE: 2640166

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3, Dissolved	mg/L	100	95.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2640167 2640168

Parameter	Units	40270391007 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	357	100	100	455	456	98	99	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2640169 2640170

Parameter	Units	40270551014 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	634	200	200	821	825	93	96	90-110	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALIFIERS

Project: LGRL INVESTIGATION WELLS
Pace Project No.: 40269267

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.

DL - Adjusted Method Detection Limit.

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

B Analyte was detected in the associated method blank.

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.: 40269267

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40269267001	**MW-1B**	EPA 6010D	457466		
40269267002	**P-422B**	EPA 6010D	457466		
40270391001	**P-401D**	EPA 6010D	459380		
40270391002	**P-402E**	EPA 6010D	459380		
40270391003	**P-423D**	EPA 6010D	459380		
40270391004	**P-424D**	EPA 6010D	459380		
40270391005	**P-424SS**	EPA 6010D	459380		
40270391006	**P-426D**	EPA 6010D	459380		
40270391007	**P-426SS**	EPA 6010D	459380		
40270391008	**P-429SS**	EPA 6010D	459380		
40270391009	**P-430D**	EPA 6010D	459380		
40269267001	**MW-1B**	EPA 8260	457146		
40269267002	**P-422B**	EPA 8260	457146		
40269267003	**TRIP BLANK**	EPA 8260	457146		
40270391001	**P-401D**	EPA 8260	459492		
40270391002	**P-402E**	EPA 8260	459492		
40270391003	**P-423D**	EPA 8260	459492		
40270391004	**P-424D**	EPA 8260	459492		
40270391005	**P-424SS**	EPA 8260	459492		
40270391006	**P-426D**	EPA 8260	459492		
40270391007	**P-426SS**	EPA 8260	459492		
40270391008	**P-429SS**	EPA 8260	459492		
40270391009	**P-430D**	EPA 8260	459492		
40270391010	**TRIP BLANK**	EPA 8260	459492		
40269267001	**MW-1B**				
40269267002	**P-422B**				
40270391001	**P-401D**				
40270391002	**P-402E**				
40270391003	**P-423D**				
40270391004	**P-424D**				
40270391005	**P-424SS**				
40270391006	**P-426D**				
40270391007	**P-426SS**				
40270391008	**P-429SS**				
40270391009	**P-430D**				
40270391011	**P-401D**				
40270391012	**P-402E**				
40270391013	**P-423D**				
40270391014	**P-424D**				
40270391015	**P-424SS**				
40270391016	**P-426D**				
40270391017	**P-426SS**				
40270391018	**P-429SS**				
40270391019	**P-430D**				
40269267004	**P-422B**				
40269267005	**MW-1B**				

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.: 40269267

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40269267001	**MW-1B**	EPA 300.0	457790		
40269267002	**P-422B**	EPA 300.0	457790		
40270391001	**P-401D**	EPA 300.0	460139		
40270391002	**P-402E**	EPA 300.0	460139		
40270391003	**P-423D**	EPA 300.0	460139		
40270391004	**P-424D**	EPA 300.0	460150		
40270391005	**P-424SS**	EPA 300.0	460150		
40270391006	**P-426D**	EPA 300.0	460150		
40270391007	**P-426SS**	EPA 300.0	460150		
40270391008	**P-429SS**	EPA 300.0	460150		
40270391009	**P-430D**	EPA 300.0	460150		
40269267001	**MW-1B**	EPA 310.2	457290		
40269267002	**P-422B**	EPA 310.2	457290		
40270391001	**P-401D**	EPA 310.2	459664		
40270391002	**P-402E**	EPA 310.2	459664		
40270391003	**P-423D**	EPA 310.2	459664		
40270391004	**P-424D**	EPA 310.2	459664		
40270391005	**P-424SS**	EPA 310.2	459664		
40270391006	**P-426D**	EPA 310.2	459664		
40270391007	**P-426SS**	EPA 310.2	459734		
40270391008	**P-429SS**	EPA 310.2	459734		
40270391009	**P-430D**	EPA 310.2	459664		

40269267

Pace Analytical
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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____

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 #	Section D Required Client Information 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	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE (2023)	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Nitric	Preservatives: HCL	Preservatives: Unpreserved	Filtered (Y/N)	Requested Analyses: 8260 NR 507 VOCs	Requested Analyses: diss chloride, alkalinity	Requested Analyses: diss 6010 - hard	Requested Analyses: Residual Chlorine (Y/N)	Pace Project Number Lab I.D.
													N	Y	Y			
1	MW-1B	WT	G	=		10/9	1215	13.1	5	1	3	1		X	X	X		001
2	~~MW-422B~~ P-422B	WT	G	=		10/9	1420	9.2	5	1	3	1		X	X	X		002
3	Trip Blank ① CKV 10/11/23 Per Tracy Emailed.	~~WT~~	~~G~~											X				003
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Additional Comments:

① Trip Blank received, lab added to COC 10/10/23 NSK

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
~~EMMA SYVERSON/ESC~~	10/9	1700			
Waltco	10/10/23	0835	pace	10/10/23	0835

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
05	(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: Katrina Waltenberger/ Emma Syverson

SIGNATURE of SAMPLER: ~~Katrina Waltenberger~~/Emma Syverson DATE Signed (MM / DD / YY): 10/09/23

Client Name: GFL Glacier Ridge **Sample Preservation Receipt Form** Project # 402692267

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

Lab Lot# of pH paper. 10D2723 Lab Std #ID of preservation (if pH adjusted).

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	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							
001									1		1						3														X		2.5 / 5
002									1		1						3														X		2.5 / 5
003																	2																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

10/10/23 NK

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	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40269267

40269267

Client Name: GFL Glacier Ridge

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

Tracking #: 370431 3-2

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 - 134 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr 0.5 /Corr 0.5

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

Person examining contents:
Date: 10/10/23 /Initials: NK

Labeled By Initials: EL

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.
- 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 EL 10/10/23	☒Yes (☒No) ☐N/A	12. Sample Point 002: ID reads "P-422B" EL 10/10/23
Trip Blank Present:	☒Yes ☐No ☐N/A	13. Trip Blank received, lab added to COC 10/10/23 NK
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 506		

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

40270891

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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 #	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-401D	GW WT	G	—	—	10/30	1140	11.0	5	1	3	1	X	X	X		001
2	P-402E			—	—	10/30	1115	10.8	5	1	3	1	X	X	X		002
3	P-423D			—	—	10/31	1045	11.8	5	1	3	1	X	X	X		003
4	P-424D			—	—	10/30	1445	12.1	5	1	3	1	X	X	X		004
5	P-424 SS			—	—	10/30	1420	13.2	5	1	3	1	X	X	X		005
6	P-426D			—	—	10/31	1120	11.5	5	1	3	1	X	X	X		006
7	P-426 SS			—	—	10/31	1225	12.0	5	1	3	1	X	X	X		007
8	P-429 SS			—	—	10/31	1445	8.8	5	1	3	1	X	X	X		008
9	P-430D	GW	G	—	—	10/30	1040	11.0	5	1	3	1	X	X	X		009
10	Trip Blank			—	—	—	—	—	2		2		X				010
11																	
12																	

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	10/31/23	1700			
	11/1/23	0820	Susan K Myhre Pace	11/1/23	0820

SAMPLE CONDITIONS

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

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 10/31/23

Client Name: GFL

Sample Preservation Receipt Form

Project # 40270391

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

Lab Lot# of pH paper: 10D0134 Lab Std #ID of preservation (if pH adjusted).

Initial when completed: SAW Date/ Time

	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									/		/						WW											/						2.5 / 5
002									/		/						WW											/				X		2.5 / 5
003									/		/						W															X		2.5 / 5
004									/		/						W															X		2.5 / 5
005									/		/						W															X		2.5 / 5
006									/		/						W															X		2.5 / 5
007									/		/						W															X		2.5 / 5
008									/		/						W															X		2.5 / 5
009									/		/						W															X		2.5 / 5
010																	W																	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																													11/1/23	SAW				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)

Client Name: GFL

Project #:

WO#: 40270391

40270391

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

Tracking #: 372 8505

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 - 117 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 0.5 /Corr: 1.0

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: 11/1/23 /Initials: SCW

Labeled By Initials: MH

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.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 506		

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