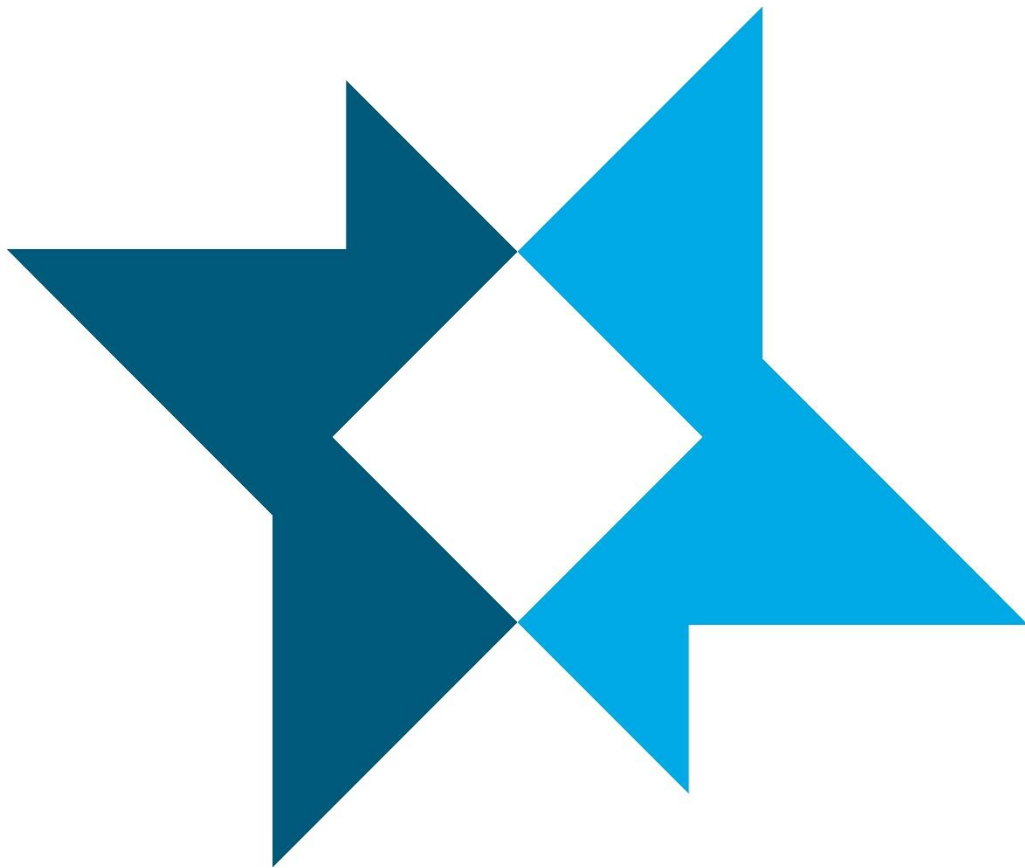




Report

First Quarter 2024 Operations, Maintenance, and Monitoring Report

Former Manufactured Gas Plant



Superior Water, Light & Power

Superior, Wisconsin

June 2024

Project ID: 18S024.27

**Solving our clients' toughest
science and engineering challenges.**



2121 Innovation Court, Suite 100
P.O. Box 5095
De Pere, WI 54115-5095
(920) 497-2500
foth.com

June 10, 2024

Gregory Prom
Minnesota Power/ALLETE
30 West Superior Street
Duluth MN 55802

Re: First Quarter 2024 Operations, Maintenance, and Monitoring Report

Dear Gregory Prom:

Attached is a draft *First Quarter 2024 Operations, Maintenance, and Monitoring Report* for the project completed at the Superior Water, Light & Power former manufactured gas plant located in Superior, Wisconsin. The groundwater monitoring well data represents baseline conditions for the site – post-2023 remediation. The groundwater remediation system, soil vapor extraction units, and biosparge system were started as part of this operations, maintenance, and monitoring event.

Please review this draft report and provide comments. Once comments have been received and incorporated, Foth will issue a final report for submittal to the Wisconsin Department of Natural Resources, adjacent landowners, and other stakeholders.

Sincerely,

Foth Infrastructure & Environment, LLC

Ken Aukerman
Project Manager

Brian Symons, P.E.
Certifying Engineer
Licensed in SC, GA, TN, AR, LA, OK, WI, IL,
MO, KS, KY, NE, CO, UT, OR, MT, WV, NJ

cc: Jamie Mehle, Superior Water, Light & Power
Jill Dekart, Foth Infrastructure & Environment, LLC

Enclosure

First Quarter 2024 Operations, Maintenance, and Monitoring Report

Distribution

<u>No. of Copies</u>	<u>Sent To</u>
1 electronic	Wisconsin Department of Natural Resources RR Program FTP Site Northeast Region: DNRRNER@wisconsin.gov
1 electronic	Mr. Gregory Prom Senior Environmental Compliance Specialist Minnesota Power/ALLETE 30 West Superior Street Duluth, MN 55802 (218) 355-3191 gprom@allete.com
1 electronic	Mr. Jamison J. Mehle, P.E. Senior Engineer Superior Water, Light & Power 2915 Hill Avenue Superior, WI 54880 (218) 393-6391 (cell) jmehle@swlp.com
1 electronic	Mr. Ken Aukerman Project Manager Foth Infrastructure & Environment, LLC 2121 Innovation Court, Suite 100 De Pere WI 54115 (920) 497-2500 (ofc) (920) 917-3834 (cell) ken.aukerman@foth.com
1 electronic	Mr. Brian Symons P.E. Certifying Engineer Foth Infrastructure & Environment, LLC 101 Trade Zone Drive, 16A West Columbia SC 29170 (803) 250-4772 (ofc) (913) 940-0081 (cell) brian.symons@foth.com
1 electronic	Master Project Files Foth Infrastructure & Environment LLC

First Quarter 2024 Operations, Maintenance, and Monitoring Report

Project ID: 18S024.27

Prepared for
Superior Water, Light & Power
Superior, Wisconsin

Prepared by
Foth Infrastructure & Environment, LLC

June 2024

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First Quarter 2024 Operations, Maintenance, and Monitoring Report

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First Quarter 2024 Operations, Maintenance, and Monitoring Report

Executive Summary

This *First Quarter 2024 Operations, Maintenance, and Monitoring Report (Q1 2024 Report/Report)* presents the results of operations, maintenance, and monitoring (OM&M) completed in first quarter 2024 (Q1 2024) at the Superior Water, Light & Power (SWL&P) former manufactured gas plant (Site) located at the intersection of Winter Street and East 1st Street, in Superior, Wisconsin, Douglas County. The facility produced manufactured gas at the Site from 1889 to 1904, when production ceased. From 1905 to 1959, the facility metered and stored manufactured gas. Previous Site investigations revealed the presence of volatile organic and polycyclic aromatic hydrocarbon (PAH) constituents in soils and groundwater.

Remedial construction was completed at the Site in 2023 including excavation of impacted soils, installation of a soil vapor extraction (SVE) system and biosparge units to treat groundwater. Construction activities began in April 2023 and were successfully completed in November 2023. The remedial action objective (RAO 1) for shallow soil was achieved. RAO 2 for deeper soils and RAO 3 for groundwater are ongoing and include OM&M of the SVE system and biosparge units.

This *Report* presents the results of the Q1 2024 groundwater monitoring event, and data represents the baseline – prior to remedial system start up. Groundwater samples were collected in April 2024 from 25 of 27 monitoring wells following procedure and analyzed for parameters listed in the *Remedial Action Quality Assurance Project Plan (QAPP)* (Foth Infrastructure & Environment, LLC [Foth], 2023a). Groundwater flow is generally to the northeast towards Lake Superior. Groundwater elevation values observed during the Q1 2024 sampling event indicate reduced infiltration into Areas 1, 2, and 3 as shown on Figure 3.

Benzene, toluene, ethylbenzene and xylene (BTEX) and styrene concentrations were not detected, at or above the method detection limit for each of the five upgradient monitoring wells. Concentrations of benzene were non-detect from 15 of the 25 monitoring well samples. The highest concentrations of volatile organic compounds (VOCs) were observed in samples from monitoring well MW-8R, located in biosparge area D, the location of the highest remaining constituent mass after remedial construction. PAH results were generally non-detect, with the highest concentrations observed in MW-29, located near Lakehead Concrete.

The groundwater remediation system was started up after groundwater sampling. Granular activated carbon was changed, system pressures and vacuums were adjusted and optimized. The air injection compressors and SVE blowers, piping, instrumentation, and controls are in place and injecting air into the subsurface as designed. The system extracts air from the subsurface at the target depths and within design pressure/vacuum. Flow rates meet the required design criteria. Weekly and monthly system maintenance checks will be completed in 2024.

The next sampling event is scheduled for July 2024.

List of Abbreviations, Acronyms, and Symbols

%	percent
bgs	below ground surface
BNSF	Burlington Northern Santa Fe
BTEX	benzene, toluene, ethylbenzene, and xylene
cfm	cubic feet per minute
cy	cubic yards
D-C RCL	direct contact residual contaminant levels
DO	dissolved oxygen
EPA/USEPA	U.S. Environmental Protection Agency
ES	Enforcement Standard
FSP	<i>Field Sampling Plan – Upland Area</i>
Foth	Foth Infrastructure & Environment, LLC
GAC	granular activated carbon
HASP	<i>Remedial Action Health and Safety Plan</i>
lbs.	pounds
LEL	lower explosive limits
MDL	method detection limit
MGP	manufactured gas plant
OM&M	operations, maintenance, and monitoring
ORC	oxygen release compounds
ORP	oxidation-reduction potential
PAH	polycyclic aromatic hydrocarbons
PAL	Preventive Action Limit
PID	photo ionization device
PPE	personal protective equipment
ppm	parts per million
Q1 2024	First Quarter 2024
Q1 2024 Report/ Report	<i>First Quarter 2024 Operations, Maintenance, and Monitoring Report</i>
QAPP	<i>Remedial Action Quality Assurance Project Plan</i>
RA	remedial action
RAO	Remedial Action Objectives
Site	Superior Water, Light & Power former manufactured gas plant
SVE	soil vapor extraction
scfm	standard cubic feet per minute
SWL&P	Superior Water, Light & Power
TPH-DRO	total petroleum hydrocarbons-diesel range organics
TPH-ORO	total petroleum hydrocarbons-oil range organic
TPH-GRO	total petroleum hydrocarbons-gasoline range organics
WDNR	Wisconsin Department of Natural Resources
Wis. Admin. Code	Wisconsin Administrative Code
VE	vertical extraction
VMP	Vapor Monitoring Points
VOCs	volatile organic compounds

1. Introduction

This *First Quarter 2024 Operations, Maintenance, and Monitoring Report (Q1 2024 Report/Report)* presents the results of operations, maintenance, and monitoring (OM&M) completed in first quarter 2024 (Q1 2024) at the Superior Water, Light & Power (SWL&P) former manufactured gas plant (MGP), located at the intersection of Winter Street and East 1st Street, in Superior, Wisconsin, Douglas County (Site). A site location map is provided on Figure 1. The sampling for Q1 2024 was completed before spring startup of the remediation and represents the baseline for evaluating progressive performance of the remedial action (RA).

1.1 Scope of Work Performed

The scope of work is to provide services for OM&M at the former SWL&P MGP Remediation Area including groundwater sample collection, routine maintenance and operation of the groundwater remediation system, data review and reporting per Wisconsin Administrative Code (Wis. Admin. Code) NR 724.17.

1.2 Site Background

According to historical records, the former MGP facility began operations in 1889 and produced manufactured gas. Active production occurred between 1889 and 1904. The former MGP building was demolished after that time and another building was constructed in its place. Following that period, gas was stored and metered at the Site until 1959 when operations ceased.

Previous investigations at the site have been ongoing by SWL&P since 2001 and have included multiple studies to characterize soil and groundwater. Results indicated volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, and xylene (BTEX) were present in the soils and groundwater. Additionally, some polycyclic aromatic hydrocarbons (PAH) were detected in the soils and groundwater. The remedy that was selected and installed included selective removal of accessible impacted soil, augmenting backfill with oxygen releasing compound, along with the installation and startup of a biosparging and soil vapor extraction (SVE) system.

RA construction was initiated on April 17, 2023. The approved *Remedial Action Options Report – Upland Area* (Foth Infrastructure & Environment, LLC [Foth], 2021) identified three remedial action objectives (RAO). The RAOs are the primary objectives to be obtained for Wis. Admin. Code NR 726 Site Closure.

- ◆ RAO 1 for shallow soils typically 0-4 feet below ground surface (bgs) was to reduce human health risk. The construction conducted in 2023 removed the surficial soil to the design depth and sometimes greater than 4 feet to meet the Industrial Soil direct contact residual contaminant levels (D-C RCL) and backfilled those areas with clean fill with a vegetative cover. This RAO was attained during the 2023 RA.
- ◆ RAO 2 for deeper soils (>4 feet bgs) is to significantly reduce the contaminant mass in soil and groundwater, as measured from pre- and post-RA measurements, and then approach an asymptotic rate of contaminant mass removal with the in-situ biosparge/SVE remedy for the residual contaminant mass. Low permeability excavation backfill materials mixed with oxygen release compound were placed below the water table, to retard constituent migration and further degrade residual organic compounds in areas that were not accessible for excavation. This RAO is ongoing.
- ◆ RAO 3 for groundwater is to restore shallow impacted groundwater to the extent practicable by attaining a stable or receding groundwater plume, as measured over eight quarterly sampling events, to demonstrate sustained groundwater natural attenuation. This RAO is ongoing.

In summary, the 2023 RA consisted of:

- ◆ Excavated and removed 13,523 cubic yards (cy) of impacted surficial soils.
- ◆ Backfilled below the water table with low permeability soils blended with 17,100 pounds (lbs) of oxygen release compounds (ORC) to aid in chemical degradation of organic constituents in soils.
- ◆ Installed 130 biosparge wells.
- ◆ Installed 2,457 feet of SVE well screen.
- ◆ Placed 9,929 cy of low permeability backfill.
- ◆ Groundwater monitoring well network of 27 pre-existing or newly installed monitoring wells is in place for long-term groundwater monitoring.

The biosparge/SVE mechanical system was installed in 2023 to remediate residual PAH and BTEX impacts. The system consists of compressor units that inject air into vertical wells. The compressor units are connected to subsurface biosparge wells in a trench. Engineering estimates suggest the biosparge wells have an approximately 25-foot radius of influence. The biosparge wells were installed approximately 20 feet apart in a grid pattern, such that there is overlap in the area treated by each well.

The east system is located in the northern and eastern portions of the site, to the north of the Burlington Northern Santa Fe (BNSF) railroad and south of the C Street Slip on properties owned by Graymont and the City of Superior (Figure 2). The east system consists of 47 vertical biosparge wells and five horizontal SVE pipes.

The west system is located in the southern and western portions of the site, to the south of the BNSF railroad and north of East 1st Street on properties owned by SWL&P and Graymont and leased by Lakehead Concrete (Figure 2). The west system consists of 83 vertical biosparge wells and 10 horizontal SVE pipes.

The SVE system consists of a positive-displacement vacuum blower connected to 4-inch vertical extraction (VE) wells. The blower unit pulls air and vapors via the SVE wells to remove hydrocarbons. Treatment of soil vapors from the SVE system operation is achieved using four granular activated carbon (GAC) canisters. The carbon treatment equipment includes two 4,000-pound canisters for the west system and two 2,000-pound canisters for the east system to house the GAC installed on the discharge pipe of the blower. The air treatment system will be discontinued once VOC emission rates fall to a minimal level based on air emissions limitations and ambient air concentrations noted in the *Field Sampling Plan – Upland Area (FSP)* (Foth, 2023b).

Remedial construction activities were completed on November 30, 2023. During remedial construction, all Site control measures were successful in maintaining environmental protection at the Site and limited disturbance to local businesses and members of the community. Perimeter air monitoring results indicate that control measures managed the air emissions, resulting in no threat to human health or the environment.

1.3 Safety

All field Q1 2024 OM&M activities were conducted consistent with the *Remedial Action Health and Safety Plan (HASP)* (Foth, 2023c) for SWL&P. Foth members read, understood, and signed the *HASP* prior to arriving on Site. Site personnel completed daily pre-work safety meetings that preview the day's work, the specific physical and chemical hazards associated with that work, appropriate PPE and work procedures that should be used, and emergency procedures. Staff wore Level D personal protective equipment (PPE)

as described in the *HASP*, including hard hat, hard-toe boots, eye protection, and hearing protection when working near noise producing equipment. New nitrile gloves were worn prior to collecting each groundwater sample.

In addition to the Foth *HASP*, the field team completed SWL&P safety orientation, BNSF contractor orientation and Graymont safety training.

2. Methodology

2.1 Groundwater Sampling

The groundwater monitoring well network at the Site consists of 27 monitoring wells, which are shown on Figure 2. Well construction details are included in Table 1.

Groundwater samples and water level readings were collected from all accessible Site wells prior to the remediation system start up in Q1 2024 to establish a baseline. Baseline sampling was completed on April 3 through April 7, 2024. Results are summarized in Section 3. Quarterly groundwater sampling events will be initiated after Q1 2024. Groundwater samples are collected in accordance with the *Remedial Action Quality Assurance Project Plan (QAPP)* (Foth, 2023a), along with Wisconsin Department of Natural Resources (WDNR) and U.S. Environmental Protection Agency (EPA) standard operating procedures. Sample parameters are listed in Table 2.

Water level gauging was completed before well purging and sample collection. The field team used an electronic water level measuring device with an accuracy of 0.01 feet to measure the depth to water, total depth of the well, and product thickness (if observed). Monitoring wells MW-3A and MW-4A were dry during the Q1 2024 sampling event and not sampled.

Field parameters were measured and recorded during purging for pH, temperature, turbidity, dissolved oxygen (DO), oxidation/reduction potential (ORP), ferrous iron, and electrical conductivity. Field meters were calibrated according to manufacturer's specifications at the beginning and end of each day. The sampling team confirmed that field measured parameters stabilized for purging to be complete. A summary of field water quality parameters is presented in Table 3.

Groundwater samples were collected using low-flow sampling methods. Laboratory-supplied sample containers with preservation (where required) were filled, labeled, recorded on chain-of-custody forms and placed on ice in an ice chest. Samples were delivered to Pace Analytical Services, in Duluth, Minnesota.

Analysis included:

- ◆ Total alkalinity (EPA 310.1/310.2)
- ◆ Metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, nickel, selenium, silver, thallium, vanadium, and zinc) (EPA 6010B) and mercury (EPA 740A/245.1)
- ◆ Sulfide (SM 4500-S2), Sulfate (IC E300.0)
- ◆ Nitrate (IC E300.0), Nitrite (IC E300.0)
- ◆ Total hardness (SM 2340B)
- ◆ Total organic carbon (SW 9060)
- ◆ Total petroleum hydrocarbons-diesel range organics (TPH-DRO) -oil range organic (TPH-ORO) and -gasoline range organics (TPH-GRO)
- ◆ PAHs (EPA 8270)
- ◆ VOCs – BTEX and styrene (EPA 8260)
- ◆ Dissolved methane (RSK-175)

- ◆ Additionally, the sampling team downloaded data collected from the four data loggers installed in monitoring wells MW-9, MW-10, MW-20R, and MW-28.

2.2 Remediation System Operations and Maintenance

The first quarterly remediation system operations and maintenance event was performed on April 22, through April 27, 2024. The operations event consisted of the following:

- ◆ Restarting the east and west biosparge/SVE systems and resuming operation of both systems.
- ◆ Replacement of the GAC in both the east and west SVE systems. The used GAC was removed from the canisters using a vacuum truck and transported to a tank staged on the asphalt pad to the west of the west biosparge/SVE system for temporary storage. Approximately, 8,000 lbs. of GAC were replaced in the west SVE system, and 4,000 lbs. of GAC were replaced in the east SVE system.
- ◆ Startup and operation monitoring of the east and west biosparge and SVE system including taking flow measurements, pressure measurements at biosparge wells, and vacuum and gas readings at Vapor Monitoring Points (VMPs).

Startup of the east and west biosparge/SVE systems demonstrated the following:

- ◆ The air injection compressors and SVE blowers and associated piping, instrumentation, and controls are in place and can inject air into the subsurface and extract air from the subsurface at the target depths, necessary pressure/vacuum, and overall flow rates required by the design criteria.
- ◆ Long-term SVE system mass recovery data will be needed to assess mass removal trends.

3. Summary of Findings

3.1 Groundwater

Groundwater samples were collected between April 3 and 7, 2024 and represent baseline results. Monitoring wells MW-3A and MW-4A were dry during the Q1 2024 sampling event and not sampled.

3.1.1 Groundwater Field Data

Field data is presented in Table 3. Elevated pH values were observed at monitoring wells MW-8R, MW-9, MW-22, and MW-29, the results are similar to historical values. Parameters such as ORP and DO will be indicative of biosparge functionality in the future.

3.1.2 Groundwater Flow Direction and Hydraulic Gradient

Depth to groundwater was measured for each monitoring well and used to calculate groundwater elevation. Q1 2024 groundwater elevation data is included in Table 1. Figure 3 presents the groundwater flow direction based on the Q1 2024 water elevation data. Groundwater flow is generally to the northeast towards Lake Superior exhibiting a gradient of approximately 0.045 to 0.0125. Groundwater elevation values observed during the Q1 2024 sampling event indicate reduced infiltration into Areas 1, 2, and 3, as shown on Figure 3.

3.1.3 Groundwater Monitoring Laboratory Results

Analytical results from the baseline sampling are presented in Table 4. Results are compared to water quality standards per Wis. Admin. Code NR 140, Enforcement Standard (ES) and Preventive Action Limit (PAL), where available.

BTEX and styrene concentrations were not detected at or above the ES or PAL for each of the five upgradient monitoring wells (MW-1, MW-2, MW-5, MW-13, and MW-14). Concentrations of benzene were not detected at or above the MDL from 15 of the 25 monitoring well samples. The highest concentrations of VOCs were observed in samples from monitor well MW-8R, located in biosparge area D, the location of the highest remaining constituent mass after remedial construction.

PAH results indicate that PAH concentrations for 17 of the 25 samples were not detected at or above the ES. Concentrations of naphthalene above the ES were observed at MW-3B, MW6R, MW-8R, and MW-9 located near Area 1 and Biosparge Areas C and D.

Metals results were generally below the MDL. MDLs were elevated above the ES for antimony and thallium and additionally above the PAL for arsenic, beryllium, cadmium, lead, and selenium.

TPH-DRO and ORO concentrations were generally low or below the laboratory detection limits in all wells sampled. TPH-GRO was low or below detection in 15 of 25 monitoring well samples. The highest GRO value was observed in MW-9, located in biosparge area D, the location of the highest remaining constituent mass after remedial construction.

Validation reports for this sampling event are provided in Appendix B. Appendix D includes a summary of site historic data.

3.2 Remediation System

The remedial system was started on April 22, 2024.

3.2.1 SVE System Field Data

Air flow rates/vapor, VOC, and subsurface or soil vapor quality parameters (i.e., lower explosive limits (LEL), oxygen, carbon monoxide, methane) were measured at the east and west SVE system.

For east SVE system, air flow rates measured using a Velocicalc air velocity meter, indicated that manifold 1-2-3 maintained high flow rates of 168 cubic feet per minute (cfm), and manifold 4-5 measured 14 cfm on April 24, 2024 (see Appendix E). The flow through the dilution manifold was 246 cfm. Influent to GAC canisters 1 and 2 was not measured due to the GAC change out. Air flow through the horizontal wells (HW-1 to HW-5) ranged between 32 and 90 cfm, with highest and lowest flows passing through HW-3 and HW-5, respectively. These measurements are well in line with the system design specifications and indicate the east SVE system is functioning as intended.

A field measurement using a calibrated Mini-RAE photo ionization device (PID) showed hydrocarbon levels at the manifolds ranged from 0.0 at manifold 4-5 to 0.4 parts per million (ppm) at manifold 1-2-3. The dilution air intake was also measured at 0.0 ppm. The hydrocarbon levels detected at GAC1 and GAC2 were approximately 0.0 ppm. Hydrocarbon levels at the horizontal wells ranged from 0.6 to 17.2 ppm, with highest levels at HW-4 (17.2 ppm) and lowest of 0.6 ppm at HW-1. Zero carbon monoxide concentrations were recorded at the manifolds and the wells with the exception of manifold 4-5, which was measured at 21%. LEL concentrations were measured at a range of 0% at manifold 1-2-3 to 7% at manifold 4-5 and 2 to 3% at the headers. It should be noted that the LEL meter was reading the ambient air at 2 to 3% and is not considered to be a concern. Oxygen levels were measured at 20.9% in manifold 1-2-3 and 16.5% in manifold 4-5 and ranged from 19.8% to 21.6%, with the highest and lowest oxygen levels at HW-1 and HW-4, respectively.

For the west SVE system, air flow rates measured using a Velocicalc air velocity meter showed that manifold 11-12-13 maintained high flow rates of 362 cfm, and lowest flows occurred at manifold 9, at 27 cfm on April 25, 2024. Air flow rates at manifold 6-7-8 and manifold 14-15-16 were 207 and 51 cfm, respectively. Air flow measured at the horizontal wells (HW-6 to HW-16) ranged from 1 cfm and 181 cfm, with highest flows passing through HW-7 and lowest flows passing through HW-14, 15, and 16. (see Appendix E). Low flow and low subsurface pressure readings measured at HW-9, HW-14, HW-15, and HW16 appear to indicate the presence of liquid in those headers. Operation of the west SVE system generated approximately 80 gallons of condensate from April 24 to April 25, 2024 – which appears to confirm the presence of liquid in those headers. Based on those observations, the valves at manifolds 9 and 14-15-16 were closed to reduce condensate generation in the west system on April 26, 2024. The liquid presence is most likely due to frost generated during the winter shut down period. Since the system adjustments were made, condensate generation has been minimal.

Field measurement using a calibrated PID meter showed hydrocarbon levels at the manifolds ranged from 38 to 241 ppm, with highest levels at manifold 11-12-13 and lowest at manifold 6-7-8. Dilution air intake was 0.0 ppm. The influent hydrocarbons detected at GAC2 were 0.0 ppm. Levels of Hydrocarbons at the horizontal wells ranged from 0.3 to 296 ppm, with highest levels at HW-12 (296 ppm) and lowest of 0.3 ppm at HW-8. Zero soil vapor quality parameters (LEL, carbon monoxide, and methane) were detected at the manifolds and the horizontal wells, with constant oxygen levels of 20.9%.

The SVE system air flow and vacuum measurements for HW-1 through HW-5 are consistent with the system design operating criteria and indicate the east SVE system is functioning as intended. The SVE system air flow and vacuum measurements for HW-6 through HW-8 and HW-11 through HW-13 are consistent with the system design operating criteria and indicate these SVE wells in the west SVE system is functioning as intended. However, low flow and low subsurface pressure readings measured at HW-9 and HW-14 through HW16 indicate the presence of water in those headers which will be removed before the air flow at those location can be increased to target design levels. Biosparge wells associated with

HW-9 and HW-14 through HW-16 were shut down until the condensate collected in the SVE piping can be removed.

3.2.2 Vapor Monitoring Point Field Data

Field data including vacuum/pressure, hydrocarbon concentration, LEL, subsurface oxygen, carbon monoxide, and methane at 30 of 34 VMP locations within the east and west biosparge/SVE areas during the startup process between April 24 and April 25, 2024, can be found in Appendix E. These data were collected at both east and west SVE/biosparge systems. Vacuum/pressure, hydrocarbon concentrations, and subsurface oxygen levels are illustrated on Figure 5.

No data were collected at VMP-12 and VMP-21 due to damage by vehicle traffic and VMP-18, 23, and 26 were not accessible due to industrial activities. Elevated hydrocarbon readings associated with the east biosparge/SVE system were observed at VMP-2, 3, 13, and 15. Positive pressures were recorded at VMP-2, 13, and 14. Elevated hydrocarbon readings associated with the west biosparge/SVE system were observed at VMP-17, 24, 28, 30, 31, and 32 in the shallow vapor monitoring points and in the deeper vapor monitoring points at VMP-17, 19, 20, 22, 24, 30, 31, and 32. Additionally, positive pressures were measured in the deeper vapor monitoring points at VMP-19 and VMP-35. These observations are indicative of potential VOC migration at those locations. To discourage soil vapor migration at those locations, pressure at adjacent biosparge wellheads were reduced to reduce soil pressure and header valve openings at adjacent SVE pipes will be increased to increase soil vacuum during the next scheduled system operation and maintenance event. Reduced oxygen concentrations were observed in the east system soil vapor at VMP-2, 4, 6, 10, and 13 for the west system shallow vapor monitoring points at VMP-17, 18, 22, 24, 25, 30, and 35, and for the west system deep vapor monitoring points at VMP-17, 19, 28, and 35. These reduced oxygen levels are likely due to active subsurface hydrocarbon degradation.

3.2.3 Biosparge System Field Data

For the east biosparge system, data were collected from the air distribution manifolds and compressors on April 23, 2024. With both vacuum valves open at 50%, manifold 4-5 discharged high air flow rates of 158 standard cubic feet per minute (scfm) (see Appendix E). Air flow rates recorded through manifold 1-2-3 was 139 scfm.

For the west biosparge system, field data were collected from the air distribution manifolds and compressor on April 23, 2024 (see Appendix E). The valve was opened at 30% for manifold 6-7-8 and 25% at manifolds 11-12-13 and 14-15-16. Manifold 9 was shut. Discharge at manifold 6-7-8 was measured at 165 cfm. Discharge at manifolds 11-12-13 and 14-15-16 were 159 scfm and 105 scfm, respectively. Discharge to the atmosphere was 97 scfm.

Pressure gage readings were taken at the 130 biosparge wells in the east and west biosparge system during the startup events between April 23 and April 24, 2024. Appendix E summarizes all pressures recorded at the biosparge wells during the startup.

For the east biosparge system, pressure readings were taken from 43 of a total of 46 biosparge wells (22 of 25 wells in Area A and all 21 wells in Area B). Readings at wells B-A-14, B-A-20, and B-A-23 were not taken due to leaking well heads. The wells with leaking well heads were shut off until the leaks can be repaired. Pressure gage readings taken during the first quarterly monitoring event ranged from 3.0 to 5.0 psi.

For the west biosparge system, pressure readings were taken from 80 of a total of 83 biosparge wells (all 29 wells in Area C and 51 of 54 wells in Area D). Wells B-D-21, B-D-22, and B-D-23 were not accessible due to equipment and material storage activities done by Lakehead Concrete. Pressure readings taken during the first quarterly monitoring event ranged from 1.0 to 3.0 psi. However, zero pressure was recorded at 9 wells in Area C, including wells B-C-14 (due to free product detected during last fall's start up) and wells B-

C-22 to B-C-29 (closed due to the presence of water in HW-9) and 29 wells in Area D (B-D-38 due free product detected during last fall's start up) and wells B-D-34 to 37 and B-D-39 to 63 closed due to the presence of water in HW-14 through HW-16). LNAPL in B-C-14 and B-C-38 was a sheen and is not considered recoverable.

Inoperable or missing gages were found at wells B-C-1 to 3, 15, and 18 to 20 and B-D-2, 3, 5, and 18. The gages were and will be replaced, as needed.

A review of the 2023 startup data and 2024 first quarter field data confirms that both the east and west biosparge systems can function properly, within design criteria. However, biosparge wells associated with HW-9 and HW-14 through HW-16 were shut down until the condensate collected in the SVE piping can be removed. Air flow to biosparge wells where LNAPL was observed will remain off while SVE continues in that area until LNAPL is no longer observed in the two wells. The operating conditions for the east and west biosparge wells are shown on Figure 5 where operating wells are shown in green and wells that are shut down are shown in red.

3.2.4 Biosparge/SVE System GAC Effectiveness

Samples were collected on April 26, 2024, from the influent and effluent from the east and west biosparge/SVE systems. Table 5 summarizes GAC treatment air influent and air effluent quality results for the east biosparge/SVE systems. Samples from the west biosparge/SVE system had low pressure at arrival at the laboratory and were not analyzed. Results from the east biosparge/SVE systems show that benzene was effectively removed (97% removal). However, other VOCs had concentrations greater in the effluent than the influent. Since these samples were completed after GAC was replaced, as part of the Q1 OM&M tasks described in Section 2.1, samples will be collected and re-evaluated in Q2.

Validation reports for this sampling event are provided in Appendix B. Samples will be collected in Q2 to evaluate the effectiveness of the treatment system.

3.2.5 Condensate Tank Laboratory Results

In order to collect a sample from each tank, approximately 100 gallons of condensate is required. During this quarterly OM&M event, approximately 80 gallons of condensate was generated by the west SVE system, and no condensate was generated by the east SVE system. Therefore, no condensate samples were analyzed.

3.3 Quality Assurance/Quality Control

The analytical data were validated to verify that laboratory quality assurance and quality control procedures were documented and to evaluate the overall quality of the data reported. Two validation reports are included in Appendix B. These validation reports include analytical reports for 25 groundwater samples collected April 3 through April 7, 2024, and two biosparge/SVE samples collected on April 26, 2024. The samples were collected as part of the *FSP* and *QAPP*.

4. Conclusions

Baseline sampling was completed Q1 2024. Data will be used to evaluate remedial system progress over time to attain RAO 2, and RAO 3. Data indicates that upgradient wells are not impacted. Several downgradient wells show low to no constituent of concern present in the groundwater, indicative of the successful excavation in 2023.

Data from the quarterly sampling in 2024 will be compiled into an annual report and compared against historical data to determine the effectiveness of the groundwater remediation system.

The remedial system was started and measured to be functioning as designed. The air injection compressors and SVE blowers, piping, instrumentation, and controls are in place and injecting air into the subsurface as designed. The system extracts air from the subsurface at the target depths and within design pressure/vacuum. Flow rates meet the required design criteria. Weekly and monthly system maintenance checks will be completed through 2024 to confirm system optimization and effectiveness.

The next sampling event is scheduled for July 2024.

5. References

Foth Infrastructure & Environment, LLC, 2021. *Remedial Action Options Report – Upland Area*, Former Manufactured Gas Plant, Superior, Wisconsin. January 5, 2021.

Foth Infrastructure & Environment, LLC, 2023a. *Remedial Action Quality Assurance Project Plan*, Former Manufactured Gas Plant, Superior, Wisconsin. March 10, 2023.

Foth Infrastructure & Environment, LLC, 2023b. *Field Sampling Plan – Upland Area*, Former Manufactured Gas Plant, Superior, Wisconsin. March 10, 2023.

Foth Infrastructure & Environment, LLC, 2023c. *Remedial Action Health and Safety Plan*, Upland Area, Former Manufactured Gas Plant, Superior, Wisconsin. March 10, 2023.

Tables

**Table 1
Monitoring Well Completion Summary
First Quarter 2024 OM&M Report
Superior Water, Light & Power**

Well ID #	Date Completed	NORTHING	EASTING	Top of Casing Elevation (feet MSL)	Post-Construct Ground Elevation (feet MSL)	Top of Screen Elevation (feet MSL)	Well Bottom Elevation (feet MSL)	Total Well Depth (feet below ground surface)	Groundwater Level Measurement Date	Measured Depth to Water (feet)	Groundwater Elevation (feet MSL)
MW-1	11/7/2001	307764.20	153872.27	619.11	616.20	612.11	596.29	19.91	4/3/2024	3.76	615.35
MW-2	11/7/2001	308256.90	153752.27	617.15	614.20	610.15	597.20	19.95	4/3/2024	4.70	612.45
MW-3A	8/3/2023	308121.47	153902.77	615.70	612.93	608.93	603.93	9.00	4/3/2024	Dry	-
MW-3B	8/2/2023	308124.13	153906.89	615.82	613.16	600.16	595.16	18.00	4/3/2024	15.10	600.72
MW-4A	8/2/2023	307954.87	154075.37	616.73	613.86	607.46	602.46	11.40	4/3/2024	Dry	-
MW-4B	8/3/2023	307962.70	154084.22	616.17	613.46	593.46	588.46	25.00	4/3/2024	9.41	606.76
MW-5	11/6/2001	308436.63	153860.14	612.40	616.20	605.40	593.10	19.30	4/3/2024	5.72	606.68
MW-6R	10/5/2023	308196.33	154068.91	612.99	613.24	609.24	601.24	12.00	4/2/2024	9.21	603.78
MW-7R	10/4/2023	308105.98	154243.12	613.31	611.37	606.37	596.37	15.00	4/3/2024	10.80	602.51
MW-8R	9/28/2023	308023.31	154356.83	614.06	611.75	604.25	594.25	17.50	4/4/2024	13.16	600.90
MW-9	10/12/2004	307949.95	154438.73	611.38	608.70	604.38	591.70	19.68	4/5/2024	9.34	602.04
MW-10	10/13/2004	308024.19	154474.61	606.08	606.50	603.08	593.50	12.58	4/4/2024	3.27	602.81
MW-11	10/13/2004	308252.22	154322.05	609.89	607.00	605.89	593.00	16.89	4/4/2024	7.70	602.19
MW-12	10/15/2004	308146.17	154465.55	607.64	607.90	599.64	589.90	17.74	4/3/2024	6.21	601.43
MW-13	10/10/2005	307883.22	154133.10	616.26	613.56	611.26	598.56	17.70	4/4/2024	4.20	612.06
MW-14	10/10/2005	307870.87	154273.88	617.27	614.06	609.27	596.06	21.21	4/5/2024	8.70	608.57
MW-15	10/11/2005	308169.62	154504.34	608.95	609.06	600.95	591.06	17.89	4/4/2024	7.41	601.54
MW-16	10/12/2005	308069.19	155066.73	613.11	610.03	608.11	595.03	18.08	4/4/2024	12.78	600.33
MW-17	10/12/2005	307742.40	155103.27	610.93	608.48	605.93	593.48	17.45	4/5/2024	8.78	602.15
MW-20R	8/1/2023	308205.77	154430.55	605.73	604.76	599.76	589.76	15.00	4/3/2024	4.00	601.73
MW-21	10/12/2005	307661.06	155055.46	612.57	609.59	607.57	594.59	17.98	4/5/2024	9.82	602.75
MW-22	10/13/2005	307735.04	154650.63	610.55	607.50	605.55	592.50	18.05	4/4/2024	6.65	603.90
MW-27	10/4/2023	308059.03	154093.79	613.15	613.17	609.17	604.17	9.00	4/2/2024	5.23	607.92
MW-28	8/2/2003	308177.80	154301.38	607.26	607.78	602.38	592.38	15.40	4/4/2024	4.92	602.34
MW-29	8/3/2023	307873.13	154630.29	610.78	608.95	598.95	588.95	20.00	4/4/2024	8.26	602.52
MW-30	10/5/2023	308179.28	153973.36	613.10	613.39	610.39	605.39	8.00	4/5/2024	6.70	606.40
MW-31	10/4/2023	308029.13	154186.14	615.25	612.65	608.65	603.65	9.00	4/2/2024	9.10	606.15

Notes:
ft = feet
ft amsl = feet above mean sea level
ft bmp = feet below measuring point
MDH = Minnesota Department of Health
MSL = mean sea level

Prepared by: JAM8
Checked by: BDS1

Table 2
Groundwater Sample Collection Summary
First Quarter 2024 OM&M Report
Superior Water, Light & Power

Well ID #	Sample ID #	Date Collected	Time Collected	Number of Containers	Analytical Parameters	Comments
MW-1	MGP-MW-1-24Q1	4/3/2024	1247	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-2	MGP-MW-2-24Q1	4/3/2024	1045	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-3A	Not Sampled - well was dry					
MW-3B	MGP-MW-3B-24Q2	4/3/2024	0908	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-4A	Not Sampled - well was dry					
MW-4B	MGP-MW-4B-24Q1	4/3/2024	1438	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-5	MGP-MW-5-24Q1	4/3/2024	0756	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-6R	MGP-MW-6R-24Q1	4/2/2024	1959	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-7R	MGP-MW-7R-24Q1	4/3/2024	1846	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-8R	MGP-MW-8R-24Q1	4/4/2024	0741	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-9	MGP-MW-9-24Q1	4/5/2024	1342	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-10	MGP-MW-10-24Q1	4/4/2024	1350	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-11	MGP-MW-11-24Q1	4/4/2024	1804	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-12	MGP-MW-12-24Q1	4/3/2024	1727	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-13	MGP-MW-13-24Q1	4/4/2024	0912	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-14	MGP-MW-14-24Q1	4/5/2024	0851	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-15	MGP-MW-15-24Q1	4/4/2024	1603	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-16	MGP-MW-16-24Q1	4/4/2024	1706	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-17	MGP-MW-17-24Q1	4/5/2024	1138	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-20R	MGP-MW-20R-24Q1	4/3/2024	1606	35	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	Collected QA/QC - MS/MSD
MW-21	MGP-MW-21-24Q1	4/5/2024	1029	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-22	MGP-MW-22-24Q1	4/4/2024	1031	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-27	MGP-MW-27-24Q1	4/2/2024	1701	35	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	Collected QA/QC - MS/MSD
MW-28	MGP-MW-28-24Q1	4/4/2024	1445	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-29	MGP-MW-29-24Q1	4/4/2024	1249	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-30	MGP-MW-30-24Q1	4/5/2024	0738	14	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	Well went dry, could not collect all sample volume
MW-31	MGP-MW-31-24Q1	4/2/2024	1844	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	
MW-3B	MGP-MW-FD-1	4/3/2024	0908	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	QA/QC Sample Duplicate
MW-28	MGP-MW-FD-2	4/4/2024	1445	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	QA/QC Sample Duplicate
MW-21	MGP-MW-FD-3	4/5/2024	1029	17	VOCs, PAHs, Metals, TPH-DRO/GRO/ORO, Alkalinity, Sulfides, Sulfates, Nitrates, Nitrites, Hardness, Total Organic Carbon	QA/QC Sample Duplicate
	MGP-TB-1	4/5/2024		2	VOCs, TPH-GRO	QA/QC Trip Blank
	MGP-TB-2	4/5/2024		2	VOCs, TPH-GRO	QA/QC Trip Blank

Notes:

LCS/LCSD = laboratory control sample/laboratory control sample duplicate

MS/MSD = matrix spike and matrix spike duplicate

PAHs = Polycyclic aromatic hydrocarbons

QA/QC = Quality assurance/quality control

TPH-DRO/GRO/ORO = Total petroleum hydrocarbons diesel range organics, gasoline range organics, and oil range organics

VOCs = Volatile Organic Compounds

Prepared by: SAK2

Checked by: JAM8

Table 3
Groundwater Monitoring Field Data Summary
First Quarter 2024 OM&M Report
Superior Water, Light & Power

Sample Location	Sample Date	Specific Conductance (µMhos/cm)	DO (mg/L)	Iron, Ferrous (mg/L)	ORP (mV)	pH (SU)	Temperature (°C)
MGP-MW-1	4/3/2024	2281	2.45	0.0	104.6	7.48	7.83
MGP-MW-2	4/3/2024	1828	2.70	0.0	53.7	7.52	7.04
MGP-MW-3B	4/3/2024	1651	0.77	0.5	-135.3	7.32	5.13
MGP-MW-4B	4/3/2024	1266	7.21	0.0	171.2	7.83	9.37
MGP-MW-5	4/3/2024	1158	0.16	0.5	-167.2	8.43	6.45
MGP-MW-6R	4/2/2024	3127	0.01	0.0	-252.3	7.65	6.10
MGP-MW-7R	4/3/2024	1220	0.66	2.0	-37.3	7.11	6.37
MGP-MW-8R	4/4/2024	2888	0.49	0.0	-193.2	12.33	6.21
MGP-MW-9	4/5/2024	1064	0.00	0.0	-221.3	9.91	7.14
MGP-MW-10	4/4/2024	752	0.92	1.5	-6.6	6.17	7.03
MGP-MW-11	4/4/2024	487	0.15	2.0	-51.7	6.82	5.84
MGP-MW-12	4/3/2024	2067	0.54	2.0	-103.3	6.92	7.28
MGP-MW-13	4/4/2024	3079	1.22	0.0	53.7	7.02	5.03
MGP-MW-14	4/5/2024	3595	0.43	0.0	27.9	7.24	7.96
MGP-MW-15	4/4/2024	512	0.83	1.5	-45.1	6.89	7.60
MGP-MW-16	4/4/2024	4339	0.80	2.0	6.1	6.63	8.31
MGP-MW-17	4/5/2024	1093	0.62	1.5	-70.6	6.56	6.20
MGP-MW-20R	4/3/2024	1231	1.00	2.0	-112	7.37	6.26
MGP-MW-21	4/5/2024	1951	0.81	1.5	-112.2	6.86	7.31
MGP-MW-22	4/4/2024	10316	2.33	0.0	-133.6	13.00	5.74
MGP-MW-27	4/2/2024	3761	3.91	1.0	-96	8.27	4.33
MGP-MW-28	4/4/2024	664	0.78	1.0	8.1	6.95	5.04
MGP-MW-29	4/4/2024	1941	0.00	0.0	-264.9	12.07	8.09
MGP-MW-30	4/5/2024	2168	1.33	N/A	214.7	7.11	4.54
MGP-MW-31	4/2/2024	1607	1.32	0.0	40.3	7.42	4.99

Notes:

- °C = degrees Celsius
- DO = dissolved oxygen
- mg/L = milligrams per liter
- mV = millivolts
- NTU = nephelometric turbidity units
- ORP = oxidation reduction potential
- SU = standard units
- µMhos/cm = micromhos per centimeter

Prepared by: HEP

Checked by: BDS1

Table 5
SVE System Laboratory Report
First Quarter 2024 OM&M Report
Superior Water, Light & Power

East Biosparge/SVE System		SG-IE 4/26/2024 East Influent	SG-EE 4/26/2024 East Effluent	GAC Treatment Removal
Parameter	Unit	Result	Result	Calculation
Benzene	µg/m ³	38	1.05	97%
Toluene	µg/m ³	0.874	6.55	(See Note 1)
Styrene	µg/m ³	<0.335	7.78	(See Note 1)
Ethylbenzene	µg/m ³	<0.362	4.86	(See Note 1)
Xylene, m & p	µg/m ³	0.824	13.1	(See Note 1)
Xylene, o	µg/m ³	<0.359	5.25	(See Note 1)
Xylenes, Total	µg/m ³	0.825	18.4	(See Note 1)
Naphthalene	µg/m ³	<1.83	< 1.83	ND

Notes:

ND = Influent and effluent soil gas concentrations were not detected.

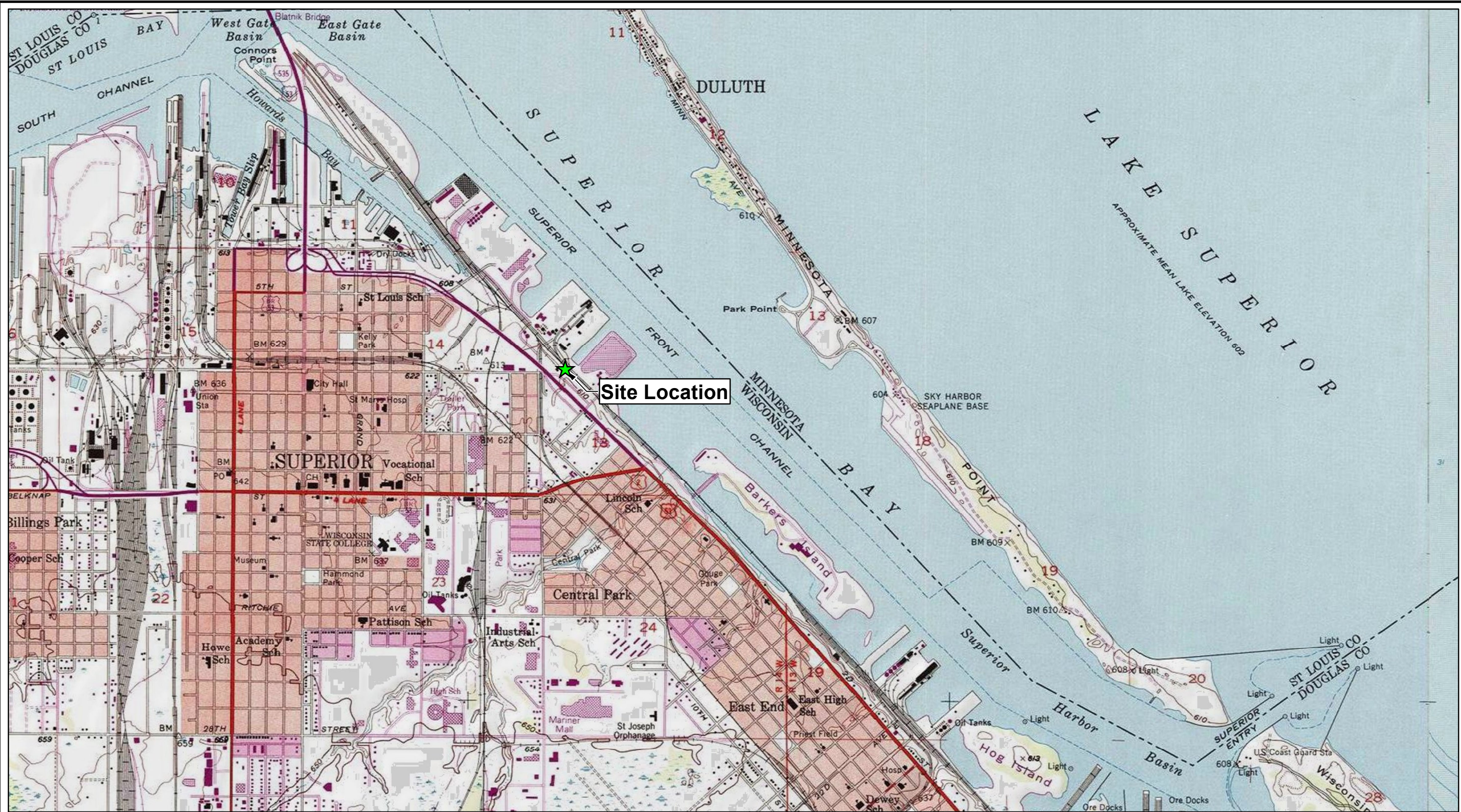
µg/m³ = micrograms per cubic meter

' The source of the apparent increase in concentration from GAC influent to GAC effluent could not be determined. GAC was changed out before sampling. The 2024 Quarter 2 air sampling results will provide further information.

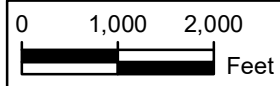
Prepared by: HEP

Checked by: JAM8

Figures



- NOTES:**
1. Topographic basemap supplied by Esri and its suppliers.
 2. Horizontal coordinate system: NAD 1983 Douglas County, units in feet.

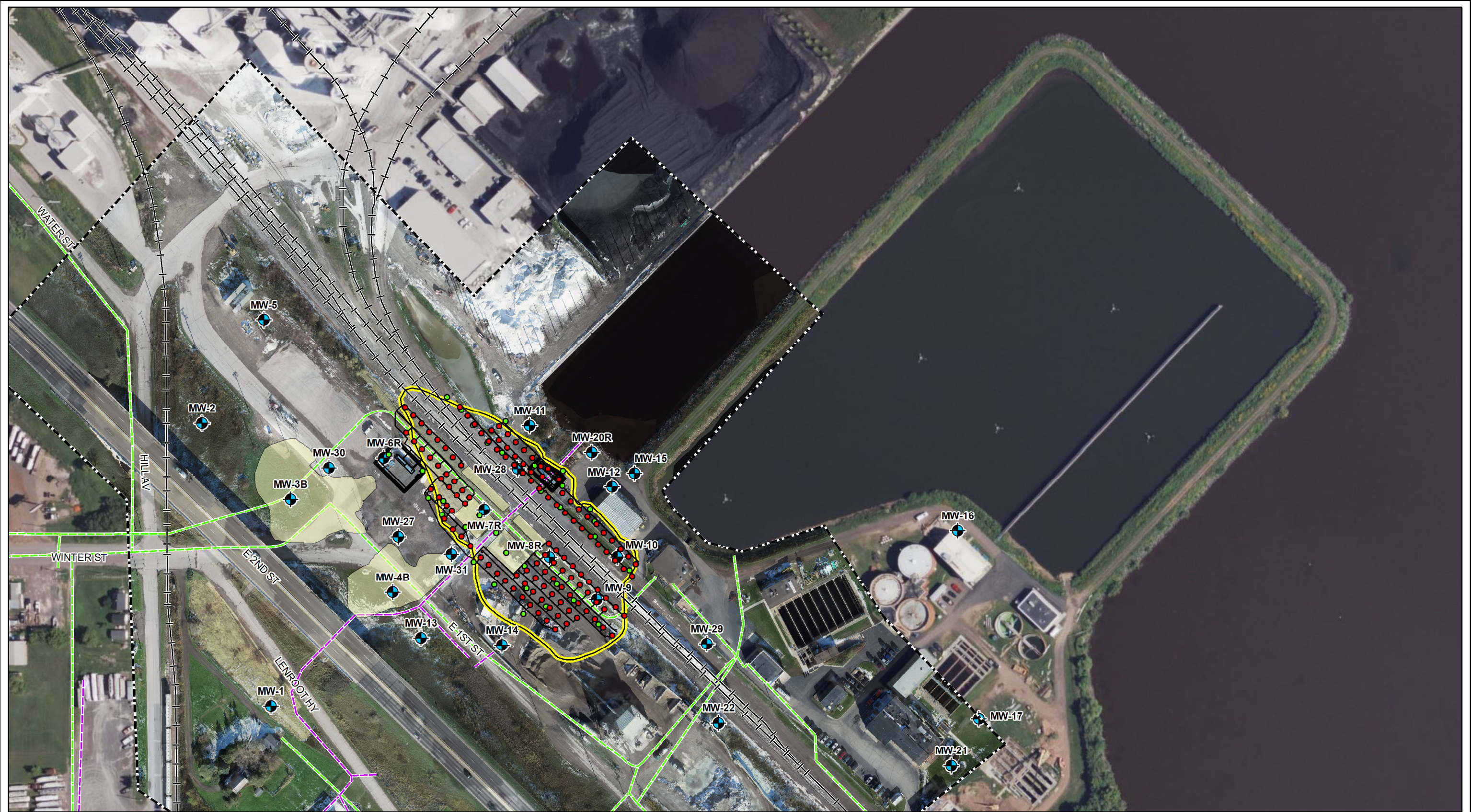


This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.

SUPERIOR WATER, LIGHT & POWER

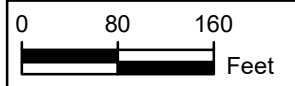
FIGURE 1
 SITE LOCATION MAP
 FIRST QUARTER 2024 OPERATIONS,
 MAINTENANCE AND MONITORING REPORT
 SUPERIOR, WISCONSIN

Date: MAY 2024	Revision Date:
Drawn By: DAT	Checked By: JAM8
Project: 18S024	



NOTES:
 1. 2023 - 3" resolution air photo flown October 2023 by Foth.
 2. Background imagery from esri and its data suppliers.
 3. Horizontal coordinate system: NAD 1983 Douglas County, units in feet.

LEGEND	
	Extent of October 2023 Aerial
	Air Sparging Wells
	Vapor Monitoring Point
	Groundwater Monitoring Well
	Railroad
	Biosparge Area
	Limits of AS SVE Fencing
	As-Built_Excavation_Area
	Storm Sewer
	Sanitary Sewer

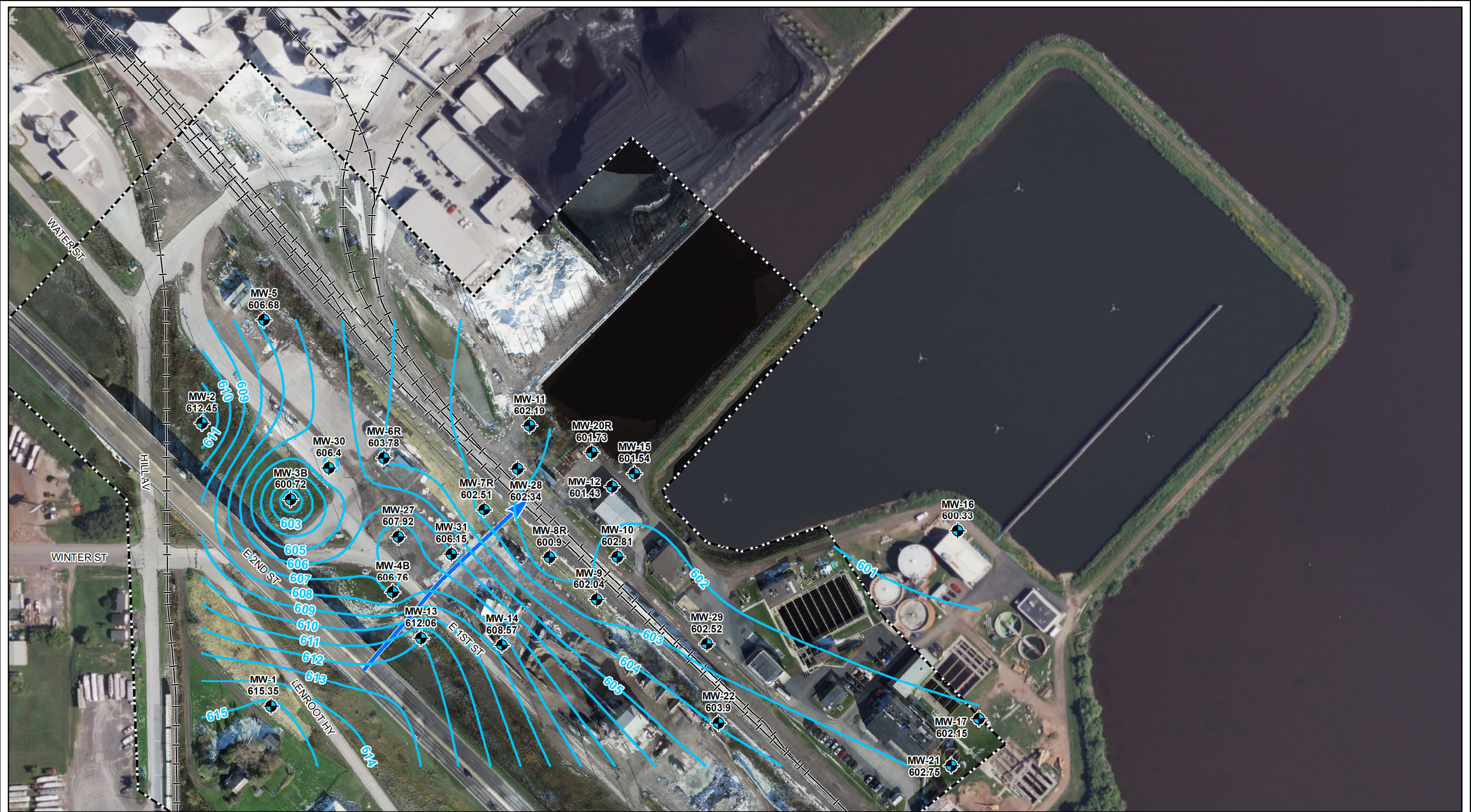


This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.

SUPERIOR WATER, LIGHT & POWER

FIGURE 2
 SITE LAYOUT MAP
 FIRST QUARTER 2024 OPERATIONS,
 MAINTENANCE AND MONITORING REPORT
 SUPERIOR, WISCONSIN

Date: MAY 2024	Revision Date:
Drawn By: DAT	Checked By: JAM8
Project: 18S024	



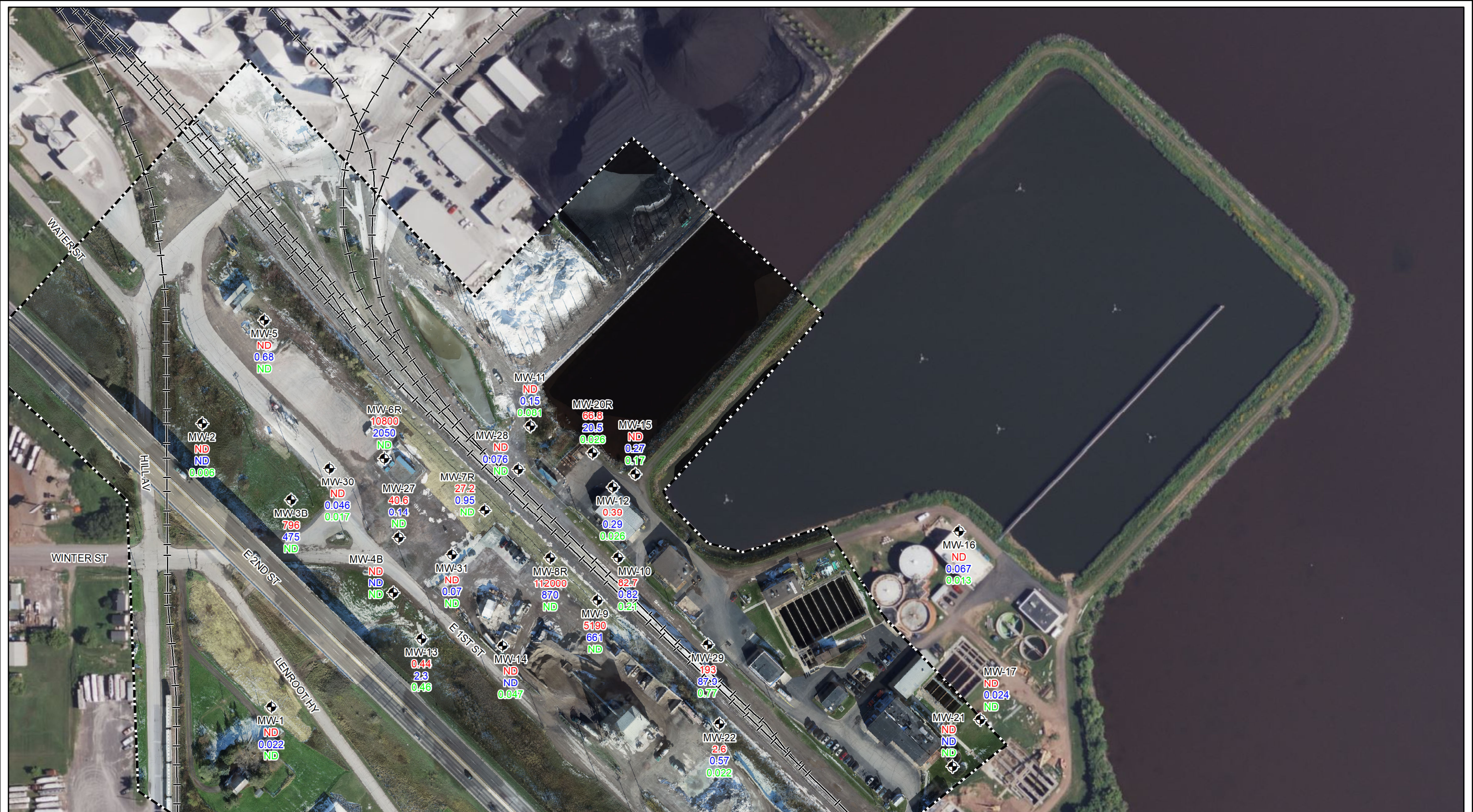
- NOTES:**
1. 2023 - 3" resolution air photo flown October 2023 by Foth.
 2. Background imagery from esri and its data suppliers.
 3. Horizontal coordinate system: NAD 1983 Douglas County, units in feet.
 4. Elevation is given in feet above mean sea level.

- LEGEND**
- Groundwater Monitoring Well with April 2024 Groundwater Elevation
 - April 2024 Groundwater Elevation
 - - - Extent of October 2023 Aerial
 - Railroad
 - ➔ Groundwater Flow Direction



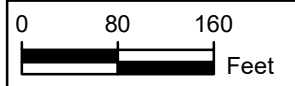
SUPERIOR WATER, LIGHT & POWER	
FIGURE 3	
GROUNDWATER POTENTIOMETRIC MAP FIRST QUARTER 2024 OPERATIONS, MAINTENANCE AND MONITORING REPORT SUPERIOR, WISCONSIN	
Date: MAY 2024	Revision Date:
Drawn By: DAT	Checked By: JAM8 Project: 18S024

This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.



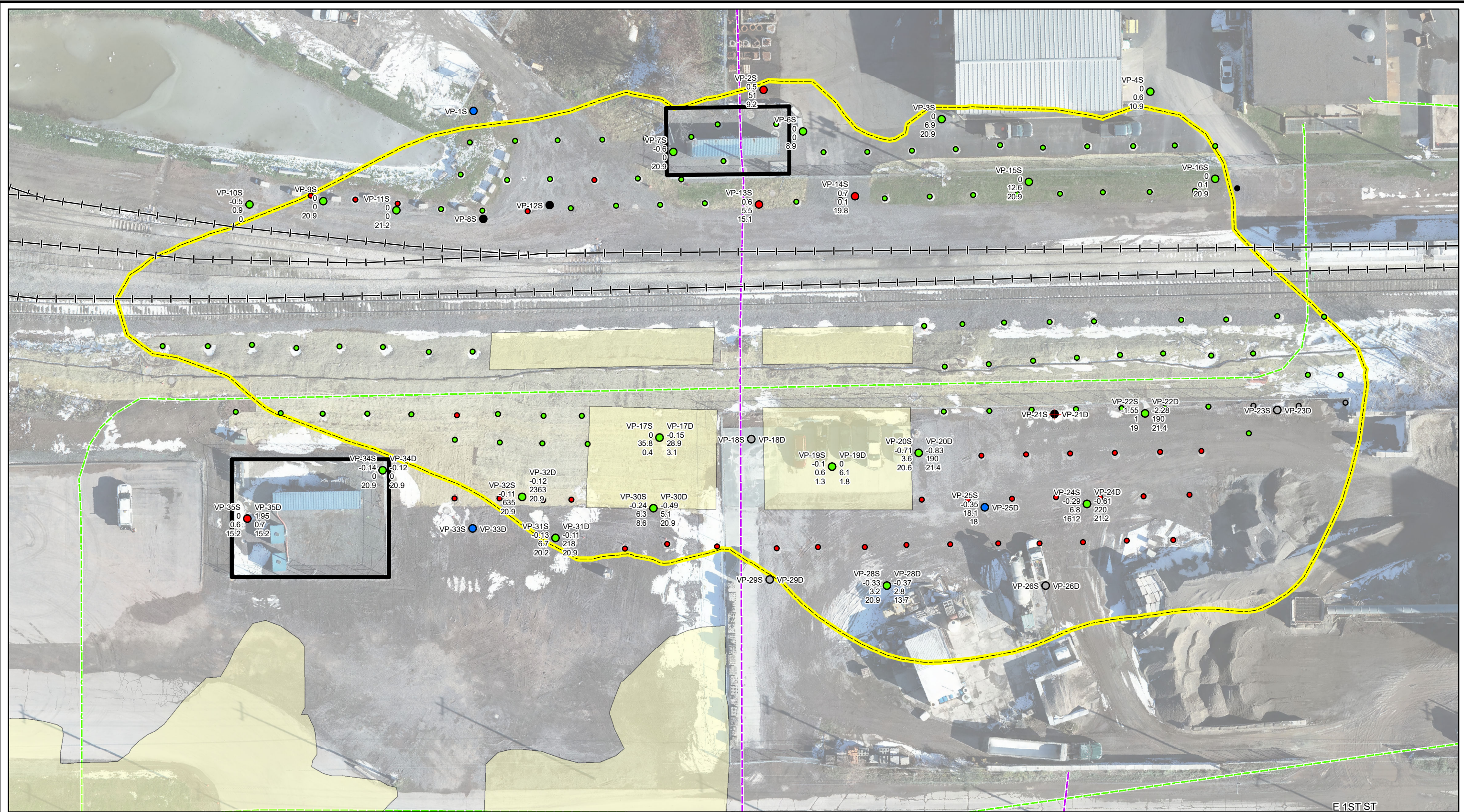
NOTES:
 1. 2023 - 3" resolution air photo flown October 2023 by Foth.
 2. Background imagery from esri and its data suppliers.
 3. Horizontal coordinate system: NAD 1983 Douglas County, units in feet.

LEGEND
 ◆ Parameter Data
 [Dashed Box] Extent of October 2023 Aerial
 [Crossed Line] Railroad
 MW-22 Well ID
 2.6 Benzene (ug/L)
 0.57 Naphthalene (ug/L)
 0.022 Benzo(a)pyrene (ug/L)



SUPERIOR WATER, LIGHT & POWER	
FIGURE 4	
SITE SPECIFIC COC CONCENTRATION RESULTS FIRST QUARTER 2024 OPERATIONS, MAINTENANCE AND MONITORING REPORT SUPERIOR, WISCONSIN	
Date: MAY 2024	Revision Date:
Drawn By: DAT	Checked By: JAM8 Project: 18S024

This drawing is neither a legally recorded map nor a survey and is not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.



NOTES:
 1. 2023 - 3" resolution air photo flown October 2023 by Foth.
 2. Background imagery from esri and its data suppliers.
 3. Horizontal coordinate system: NAD 1983 Douglas County, units in feet.

LEGEND	
Vapor Monitoring Point Status	Bio Sparge Status
● Abandoned	○ Inaccessible
● Damaged	● Not Installed
○ Inaccessible	● OFF
● Pressure	● ON
● Vacuum	
● Water in VMP	
— Railroad	— Storm Sewer
— Sanitary Sewer	— Biosparge Area
	— Limits of AS SVE Fencing
	— As-Built_Excavation_Area



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SUPERIOR WATER, LIGHT & POWER		
FIGURE 5		
SVE AND BIOSPARGE MONITORING DATA FIRST QUARTER 2024 OPERATIONS, MAINTENANCE AND MONITORING REPORT SUPERIOR, WISCONSIN		
Date: MAY 2024	Revision Date:	
Drawn By: DAT	Checked By: JAM8	Project: 18S024

Appendix A

Chemical Analytical Data



May 07, 2024

Steve Krul
Foth Infrastructure & Environment

RE: Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Dear Steve Krul:

Enclosed are the analytical results for sample(s) received by the laboratory on April 06, 2024. 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

Report revised to update VOA and SVOA compound lists. This supercedes the report of April 22, 2024.

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

Sincerely,

Tod Noltemeyer
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Scott Barton, Foth Infrastructure & Environment
Jill Dekart, Foth Infrastructure & Environment, LLC
John Kamps, Foth Infrastructure & Environment
Hannah Possehl, Foth Infrastructure & Environment
BRIAN STANUL, FOTH INFRASTRUCTURE &
ENVIRONM



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

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

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SAMPLE SUMMARY

Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40276453001	MGP-MW-1-24Q1	Water	04/03/24 12:47	04/06/24 08:50
40276453002	MGP-MW-2-24Q1	Water	04/03/24 10:45	04/06/24 08:50
40276453003	MGP-MW-4B-24Q1	Water	04/03/24 14:38	04/06/24 08:50
40276453004	MGP-MW-5-24Q1	Water	04/03/24 07:56	04/06/24 08:50
40276453005	MGP-MW-3B-24Q1	Water	04/03/24 09:08	04/06/24 08:50
40276453006	MGP-MW-9-24Q1	Water	04/05/24 13:42	04/06/24 08:50
40276453007	MGP-MW-10-24Q1	Water	04/04/24 13:50	04/06/24 08:50
40276453008	MGP-MW-11-24Q1	Water	04/04/24 18:04	04/06/24 08:50
40276453009	MGP-MW-TB-1	Water	04/05/24 12:00	04/06/24 08:50
40276453010	MGP-MW-FD-1	Water	04/03/24 00:00	04/06/24 08:50
40276453011	MGP-MW-12-24Q1	Water	04/03/24 17:27	04/06/24 08:50
40276453012	MGP-MW-13-24Q1	Water	04/04/24 09:12	04/06/24 08:50
40276453013	MGP-MW-14-24Q1	Water	04/05/24 08:51	04/06/24 08:50
40276453014	MGP-MW-15-24Q1	Water	04/04/24 16:03	04/06/24 08:50
40276453015	MGP-MW-16-24Q1	Water	04/04/24 17:06	04/06/24 08:50
40276453016	MGP-MW-17-24Q1	Water	04/05/24 11:38	04/06/24 08:50
40276453017	MGP-MW-21-24Q1	Water	04/05/24 10:29	04/06/24 08:50
40276453018	MGP-MW-22-24Q1	Water	04/04/24 10:31	04/06/24 08:50
40276453019	MGP-MW-29-24Q1	Water	04/04/24 12:49	04/06/24 08:50
40276453020	MGP-MW-28-24Q1	Water	04/04/24 14:45	04/06/24 08:50
40276453021	MGP-MW-TB-2	Water	04/05/24 12:00	04/06/24 08:50
40276453022	MGP-MW-FD-2	Water	04/04/24 00:00	04/06/24 08:50
40276453023	MGP-MW-20R-24Q1	Water	04/03/24 16:06	04/06/24 08:50
40276453024	MGP-MW-6R-24Q1	Water	04/02/24 19:59	04/06/24 08:50
40276453025	MGP-MW-7R-24Q1	Water	04/03/24 18:46	04/06/24 08:50
40276453026	MGP-MW-8R-24Q1	Water	04/04/24 07:41	04/06/24 08:50
40276453027	MGP-MW-27-24Q1	Water	04/02/24 17:01	04/06/24 08:50
40276453028	MGP-MW-30-24Q1	Water	04/05/24 07:38	04/06/24 08:50
40276453029	MGP-MW-31-24Q1	Water	04/02/24 18:44	04/06/24 08:50
40276453030	MGP-MW-FD-3	Water	04/05/24 00:00	04/06/24 08:50

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40276453001	MGP-MW-1-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
		40276453002	MGP-MW-2-24Q1	EPA 8015C Modified
EPA 8015B Modified	KHB			1
WI MOD GRO	EMG			1
EPA 6010D	SIS			18
EPA 7470	RZA			1
EPA 8270E by SIM	TPO			18
EPA 8260	NB			8
SM 2320B	TMK			3
SM 4500-S F (2000)	TXW			1
EPA 300.0	HMB			1
EPA 353.2	MT			1
SM 5310C	TJJ			1
40276453003	MGP-MW-4B-24Q1			EPA 8015C Modified
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
		40276453004	MGP-MW-5-24Q1	EPA 8015C Modified

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453005	MGP-MW-3B-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453006	MGP-MW-9-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	RJN	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453007	MGP-MW-10-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		WI MOD GRO	KHB	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453008	MGP-MW-11-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453009	MGP-MW-TB-1	WI MOD GRO	EMG	1
		EPA 8260	NB	8
40276453010	MGP-MW-FD-1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	KHB	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453011	MGP-MW-12-24Q1	EPA 8015C Modified	MRN	3

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453012	MGP-MW-13-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453013	MGP-MW-14-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	RJN	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453014	MGP-MW-15-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453015	MGP-MW-16-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453016	MGP-MW-17-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	RJN	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453017	MGP-MW-21-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	RJN	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453018	MGP-MW-22-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453019	MGP-MW-29-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453020	MGP-MW-28-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453021	MGP-MW-TB-2	WI MOD GRO	EMG	1
		EPA 8260	EIB	8
40276453022	MGP-MW-FD-2	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	EIB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453023	MGP-MW-20R-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453024	MGP-MW-6R-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	LMB	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453025	MGP-MW-7R-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	EIB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453026	MGP-MW-8R-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453027	MGP-MW-27-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	EIB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	LMB	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453028	MGP-MW-30-24Q1	EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	RJN	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	LMB	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
40276453029	MGP-MW-31-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	LMB	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453030	MGP-MW-FD-3	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	RJN	18
		EPA 8260	EIB	8

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453001	MGP-MW-1-24Q1					
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.047J	mg/L	0.091	04/11/24 06:20	B
EPA 6010D	Barium, Dissolved	36.1	ug/L	5.0	04/11/24 16:54	
EPA 6010D	Copper, Dissolved	3.9J	ug/L	10.0	04/11/24 16:54	
EPA 6010D	Total Hardness by 2340B, Dissolved	1190000	ug/L	5400	04/11/24 16:54	
EPA 6010D	Vanadium, Dissolved	3.0J	ug/L	10.0	04/11/24 16:54	
EPA 8270E by SIM	Naphthalene	0.022J	ug/L	0.048	04/09/24 16:40	
SM 2320B	Alkalinity, Total as CaCO3	1000	mg/L	10.0	04/17/24 10:46	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	1000	mg/L	10.0	04/17/24 10:46	
EPA 300.0	Sulfate	474	mg/L	40.0	04/17/24 16:26	MO
SM 5310C	Total Organic Carbon	5.8	mg/L	0.50	04/09/24 06:38	
40276453002	MGP-MW-2-24Q1					
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.052J	mg/L	0.091	04/11/24 06:28	B
EPA 6010D	Barium, Dissolved	55.7	ug/L	5.0	04/11/24 16:57	
EPA 6010D	Total Hardness by 2340B, Dissolved	1040000	ug/L	5400	04/11/24 16:57	
EPA 6010D	Vanadium, Dissolved	3.5J	ug/L	10.0	04/11/24 16:57	
SM 2320B	Alkalinity, Total as CaCO3	1010	mg/L	10.0	04/17/24 09:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	1010	mg/L	10.0	04/17/24 09:57	
EPA 300.0	Sulfate	188	mg/L	10.0	04/17/24 15:10	
SM 5310C	Total Organic Carbon	3.1	mg/L	0.50	04/09/24 07:27	
40276453003	MGP-MW-4B-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.041J	mg/L	0.095	04/11/24 06:36	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.081J	mg/L	0.095	04/11/24 06:36	B
EPA 6010D	Barium, Dissolved	131	ug/L	5.0	04/11/24 16:59	
EPA 6010D	Copper, Dissolved	5.1J	ug/L	10.0	04/11/24 16:59	
EPA 6010D	Manganese, Dissolved	657	ug/L	5.0	04/11/24 16:59	
EPA 6010D	Total Hardness by 2340B, Dissolved	684000	ug/L	5400	04/11/24 16:59	
EPA 6010D	Vanadium, Dissolved	5.1J	ug/L	10.0	04/11/24 16:59	
SM 2320B	Alkalinity, Total as CaCO3	629	mg/L	10.0	04/16/24 10:50	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	629	mg/L	10.0	04/16/24 10:50	
EPA 300.0	Sulfate	185	mg/L	10.0	04/17/24 15:53	
SM 5310C	Total Organic Carbon	3.5	mg/L	0.50	04/09/24 07:42	
40276453004	MGP-MW-5-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.070J	mg/L	0.091	04/11/24 06:44	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.22	mg/L	0.091	04/11/24 06:44	B
EPA 8015B Modified	Methane	4590	ug/L	112	04/15/24 15:39	
EPA 6010D	Barium, Dissolved	73.0	ug/L	5.0	04/11/24 17:01	
EPA 6010D	Iron, Dissolved	203	ug/L	100	04/11/24 17:01	
EPA 6010D	Manganese, Dissolved	60.0	ug/L	5.0	04/11/24 17:01	
EPA 6010D	Total Hardness by 2340B, Dissolved	239000	ug/L	5400	04/11/24 17:01	
EPA 8270E by SIM	Acenaphthene	0.19	ug/L	0.048	04/09/24 17:34	
EPA 8270E by SIM	Fluorene	0.068	ug/L	0.048	04/09/24 17:34	
EPA 8270E by SIM	Naphthalene	0.68	ug/L	0.048	04/09/24 17:34	
EPA 8270E by SIM	Phenanthrene	0.059	ug/L	0.048	04/09/24 17:34	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453004	MGP-MW-5-24Q1					
EPA 8270E by SIM	Pyrene	0.023J	ug/L	0.048	04/09/24 17:34	
SM 2320B	Alkalinity, Total as CaCO3	211	mg/L	10.0	04/16/24 11:04	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	211	mg/L	10.0	04/16/24 11:04	
EPA 300.0	Sulfate	82.9	mg/L	10.0	04/17/24 16:07	
SM 5310C	Total Organic Carbon	5.6	mg/L	1.0	04/09/24 07:59	
40276453005	MGP-MW-3B-24Q1					
EPA 8015C Modified	TPH - Diesel (C10-C28)	3.2	mg/L	0.36	04/11/24 09:17	
EPA 8015B Modified	Methane	312	ug/L	5.6	04/16/24 13:59	
WI MOD GRO	Gasoline Range Organics	3970	ug/L	50.0	04/08/24 14:59	GO
EPA 6010D	Barium, Dissolved	144	ug/L	5.0	04/11/24 17:03	
EPA 6010D	Iron, Dissolved	662	ug/L	100	04/11/24 17:03	
EPA 6010D	Manganese, Dissolved	234	ug/L	5.0	04/11/24 17:03	
EPA 6010D	Total Hardness by 2340B, Dissolved	436000	ug/L	5400	04/11/24 17:03	
EPA 8270E by SIM	Acenaphthene	21.4	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Acenaphthylene	6.1	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Anthracene	3.9	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Fluoranthene	2.9	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Fluorene	7.6	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Naphthalene	475	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Phenanthrene	19.9	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Pyrene	2.9	ug/L	2.4	04/09/24 21:31	
EPA 8260	Benzene	796	ug/L	5.0	04/10/24 22:41	
EPA 8260	Ethylbenzene	350	ug/L	5.0	04/10/24 22:41	
EPA 8260	Toluene	187	ug/L	5.0	04/10/24 22:41	
EPA 8260	Xylene (Total)	374	ug/L	15.0	04/10/24 22:41	
SM 2320B	Alkalinity, Total as CaCO3	449	mg/L	10.0	04/16/24 11:12	MO
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	449	mg/L	10.0	04/16/24 11:12	
SM 4500-S F (2000)	Sulfide	1.2J	mg/L	4.0	04/08/24 16:22	
EPA 300.0	Sulfate	31.2	mg/L	10.0	04/17/24 16:21	
SM 5310C	Total Organic Carbon	10.3	mg/L	1.5	04/09/24 08:16	
40276453006	MGP-MW-9-24Q1					
EPA 8015C Modified	TPH (C28-C36)	1.4J	mg/L	1.8	04/16/24 08:10	
EPA 8015C Modified	TPH - Diesel (C10-C28)	12.5	mg/L	1.8	04/16/24 08:10	
EPA 8015B Modified	Methane	4360	ug/L	140	04/16/24 14:06	
WI MOD GRO	Gasoline Range Organics	13000	ug/L	1000	04/08/24 18:26	GO
EPA 6010D	Arsenic, Dissolved	13.3J	ug/L	25.0	04/11/24 17:05	
EPA 6010D	Barium, Dissolved	32.9	ug/L	5.0	04/11/24 17:05	
EPA 6010D	Manganese, Dissolved	90.3	ug/L	5.0	04/11/24 17:05	
EPA 6010D	Nickel, Dissolved	5.9J	ug/L	10.0	04/11/24 17:05	
EPA 6010D	Total Hardness by 2340B, Dissolved	205000	ug/L	5400	04/11/24 17:05	
EPA 6010D	Vanadium, Dissolved	121	ug/L	10.0	04/11/24 17:05	
EPA 7470	Mercury, Dissolved	0.25	ug/L	0.20	04/22/24 10:00	
EPA 8270E by SIM	Acenaphthene	77.9	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Acenaphthylene	2.6J	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Anthracene	6.6	ug/L	3.9	04/11/24 01:38	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453006	MGP-MW-9-24Q1					
EPA 8270E by SIM	Benzo(a)anthracene	1.7J	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Chrysene	1.3J	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Fluoranthene	5.7	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Fluorene	17.5	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Naphthalene	661	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Phenanthrene	35.2	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Pyrene	6.6	ug/L	3.9	04/11/24 01:38	
EPA 8260	Benzene	5190	ug/L	40.0	04/10/24 22:10	
EPA 8260	Ethylbenzene	735	ug/L	40.0	04/10/24 22:10	
EPA 8260	Toluene	1670	ug/L	40.0	04/10/24 22:10	
EPA 8260	Xylene (Total)	1670	ug/L	120	04/10/24 22:10	
SM 2320B	Alkalinity, Total as CaCO3	257	mg/L	10.0	04/16/24 11:23	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	94.6	mg/L	10.0	04/16/24 11:23	
SM 2320B	Alkalinity,Carbonate (CaCO3)	163	mg/L	10.0	04/16/24 11:23	
SM 4500-S F (2000)	Sulfide	22.8	mg/L	4.0	04/08/24 19:32	
SM 5310C	Total Organic Carbon	137	mg/L	15.0	04/09/24 08:32	
40276453007	MGP-MW-10-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.042J	mg/L	0.090	04/11/24 07:00	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.22	mg/L	0.090	04/11/24 07:00	B
EPA 8015B Modified	Methane	736	ug/L	14.0	04/16/24 14:13	
WI MOD GRO	Gasoline Range Organics	107	ug/L	50.0	04/09/24 12:31	GO
EPA 6010D	Barium, Dissolved	96.8	ug/L	5.0	04/11/24 17:06	
EPA 6010D	Iron, Dissolved	41900	ug/L	100	04/11/24 17:06	
EPA 6010D	Manganese, Dissolved	711	ug/L	5.0	04/11/24 17:06	
EPA 6010D	Total Hardness by 2340B, Dissolved	313000	ug/L	5400	04/11/24 17:06	
EPA 8270E by SIM	Acenaphthene	4.2	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Acenaphthylene	0.20	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Anthracene	0.36	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Benzo(a)anthracene	0.17	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Benzo(a)pyrene	0.21	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.16	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.16	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.060	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Chrysene	0.19	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Dibenz(a,h)anthracene	0.027J	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Fluoranthene	0.46	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Fluorene	0.95	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.11	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Naphthalene	0.82	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Phenanthrene	0.43	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Pyrene	0.71	ug/L	0.051	04/09/24 17:52	
EPA 8260	Benzene	82.7	ug/L	1.0	04/10/24 18:43	
EPA 8260	Ethylbenzene	0.41J	ug/L	1.0	04/10/24 18:43	
EPA 8260	Toluene	3.9	ug/L	1.0	04/10/24 18:43	
EPA 8260	Xylene (Total)	1.6J	ug/L	3.0	04/10/24 18:43	
SM 2320B	Alkalinity, Total as CaCO3	116	mg/L	10.0	04/16/24 11:50	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453007	MGP-MW-10-24Q1					
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	116	mg/L	10.0	04/16/24 11:50	
EPA 300.0	Sulfate	216	mg/L	10.0	04/17/24 16:52	
EPA 353.2	Nitrogen, NO2 plus NO3	0.062J	mg/L	0.25	04/10/24 08:04	
SM 5310C	Total Organic Carbon	7.0	mg/L	0.50	04/09/24 09:07	
40276453008	MGP-MW-11-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.043J	mg/L	0.091	04/11/24 07:08	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.11	mg/L	0.091	04/11/24 07:08	B
EPA 8015B Modified	Methane	715	ug/L	14.0	04/16/24 14:20	
EPA 6010D	Barium, Dissolved	77.0	ug/L	5.0	04/11/24 17:08	
EPA 6010D	Iron, Dissolved	7040	ug/L	100	04/11/24 17:08	
EPA 6010D	Manganese, Dissolved	232	ug/L	5.0	04/11/24 17:08	
EPA 6010D	Total Hardness by 2340B, Dissolved	168000	ug/L	5400	04/11/24 17:08	
EPA 8270E by SIM	Acenaphthene	1.2	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Acenaphthylene	0.055	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Anthracene	0.11	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Benzo(a)anthracene	0.088	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Benzo(a)pyrene	0.081	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.096	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.075	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.034J	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Chrysene	0.092	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Fluoranthene	0.21	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Fluorene	0.37	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.055	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Naphthalene	0.15	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Phenanthrene	0.38	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Pyrene	0.22	ug/L	0.049	04/09/24 18:10	
SM 2320B	Alkalinity, Total as CaCO3	118	mg/L	10.0	04/16/24 11:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	118	mg/L	10.0	04/16/24 11:57	
EPA 300.0	Sulfate	43.5	mg/L	10.0	04/17/24 17:06	
SM 5310C	Total Organic Carbon	3.6	mg/L	0.50	04/09/24 09:23	
40276453010	MGP-MW-FD-1					
EPA 8015C Modified	TPH - Diesel (C10-C28)	4.2	mg/L	0.45	04/11/24 09:25	
EPA 8015B Modified	Methane	574	ug/L	11.2	04/16/24 14:27	
WI MOD GRO	Gasoline Range Organics	3600	ug/L	125	04/09/24 12:57	GO
EPA 6010D	Barium, Dissolved	151	ug/L	5.0	04/11/24 17:10	
EPA 6010D	Iron, Dissolved	678	ug/L	100	04/11/24 17:10	
EPA 6010D	Manganese, Dissolved	242	ug/L	5.0	04/11/24 17:10	
EPA 6010D	Total Hardness by 2340B, Dissolved	453000	ug/L	5400	04/11/24 17:10	
EPA 8270E by SIM	Acenaphthene	23.6	ug/L	3.6	04/09/24 21:49	
EPA 8270E by SIM	Acenaphthylene	6.6	ug/L	3.6	04/09/24 21:49	
EPA 8270E by SIM	Anthracene	4.2	ug/L	3.6	04/09/24 21:49	
EPA 8270E by SIM	Fluoranthene	3.2J	ug/L	3.6	04/09/24 21:49	
EPA 8270E by SIM	Fluorene	8.4	ug/L	3.6	04/09/24 21:49	
EPA 8270E by SIM	Naphthalene	527	ug/L	3.6	04/09/24 21:49	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453010	MGP-MW-FD-1					
EPA 8270E by SIM	Phenanthrene	22.5	ug/L	3.6	04/09/24 21:49	
EPA 8270E by SIM	Pyrene	3.0J	ug/L	3.6	04/09/24 21:49	
EPA 8260	Benzene	883	ug/L	10.0	04/10/24 22:25	
EPA 8260	Ethylbenzene	381	ug/L	10.0	04/10/24 22:25	
EPA 8260	Toluene	208	ug/L	10.0	04/10/24 22:25	
EPA 8260	Xylene (Total)	409	ug/L	30.0	04/10/24 22:25	
SM 2320B	Alkalinity, Total as CaCO3	441	mg/L	10.0	04/16/24 12:04	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	441	mg/L	10.0	04/16/24 12:04	
SM 4500-S F (2000)	Sulfide	1.2J	mg/L	4.0	04/08/24 16:24	
EPA 300.0	Sulfate	31.3	mg/L	10.0	04/17/24 18:04	
SM 5310C	Total Organic Carbon	10.8	mg/L	1.5	04/09/24 09:39	
40276453011	MGP-MW-12-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.037J	mg/L	0.090	04/11/24 07:24	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.26	mg/L	0.090	04/11/24 07:24	B
EPA 8015B Modified	Methane	9020	ug/L	280	04/16/24 14:34	
EPA 6010D	Barium, Dissolved	233	ug/L	5.0	04/11/24 17:16	
EPA 6010D	Iron, Dissolved	27100	ug/L	100	04/11/24 17:16	
EPA 6010D	Manganese, Dissolved	1980	ug/L	5.0	04/11/24 17:16	
EPA 6010D	Total Hardness by 2340B, Dissolved	542000	ug/L	5400	04/11/24 17:16	
EPA 8270E by SIM	Acenaphthene	20.7	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Acenaphthylene	0.20	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Anthracene	0.40	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Benzo(a)anthracene	0.064J	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Benzo(a)pyrene	0.026J	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.029J	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Chrysene	0.065J	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Fluoranthene	0.85	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Fluorene	5.5	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Naphthalene	0.29	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Phenanthrene	2.3	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Pyrene	0.78	ug/L	0.10	04/09/24 22:07	
EPA 8260	Benzene	0.39J	ug/L	1.0	04/10/24 19:15	
SM 2320B	Alkalinity, Total as CaCO3	240	mg/L	10.0	04/16/24 12:15	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	240	mg/L	10.0	04/16/24 12:15	
EPA 300.0	Sulfate	233	mg/L	10.0	04/17/24 18:18	
SM 5310C	Total Organic Carbon	5.6	mg/L	0.50	04/09/24 09:57	
40276453012	MGP-MW-13-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.056J	mg/L	0.10	04/11/24 07:32	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.17	mg/L	0.10	04/11/24 07:32	B
EPA 6010D	Barium, Dissolved	105	ug/L	5.0	04/11/24 17:17	
EPA 6010D	Copper, Dissolved	10.0	ug/L	10.0	04/11/24 17:17	
EPA 6010D	Manganese, Dissolved	111	ug/L	5.0	04/11/24 17:17	
EPA 6010D	Total Hardness by 2340B, Dissolved	1400000	ug/L	5400	04/11/24 17:17	
EPA 8270E by SIM	Acenaphthene	2.1	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Acenaphthylene	0.20	ug/L	0.050	04/09/24 18:28	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453012	MGP-MW-13-24Q1					
EPA 8270E by SIM	Anthracene	0.81	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Benzo(a)anthracene	0.56	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Benzo(a)pyrene	0.46	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.40	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.25	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.15	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Chrysene	0.50	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Dibenz(a,h)anthracene	0.049J	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Fluoranthene	1.2	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Fluorene	0.87	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.19	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Naphthalene	2.3	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Phenanthrene	3.2	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Pyrene	1.5	ug/L	0.050	04/09/24 18:28	
EPA 8260	Benzene	0.44J	ug/L	1.0	04/10/24 19:31	
EPA 8260	Toluene	0.30J	ug/L	1.0	04/10/24 19:31	
SM 2320B	Alkalinity, Total as CaCO3	853	mg/L	10.0	04/16/24 12:23	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	853	mg/L	10.0	04/16/24 12:23	
EPA 300.0	Sulfate	478	mg/L	40.0	04/18/24 13:40	
SM 5310C	Total Organic Carbon	7.8	mg/L	1.0	04/09/24 10:15	
40276453013	MGP-MW-14-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.065J	mg/L	0.090	04/16/24 06:48	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.12	mg/L	0.090	04/16/24 06:48	B
EPA 8015B Modified	Methane	5.6	ug/L	2.8	04/16/24 10:48	
EPA 6010D	Barium, Dissolved	46.6	ug/L	5.0	04/11/24 17:19	
EPA 6010D	Copper, Dissolved	5.0J	ug/L	10.0	04/11/24 17:19	
EPA 6010D	Manganese, Dissolved	237	ug/L	5.0	04/11/24 17:19	
EPA 6010D	Total Hardness by 2340B, Dissolved	1760000	ug/L	5400	04/11/24 17:19	
EPA 8270E by SIM	Acenaphthene	0.031J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Acenaphthylene	0.027J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Anthracene	0.033J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Benzo(a)anthracene	0.049J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Benzo(a)pyrene	0.047J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.048J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.033J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Chrysene	0.054	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Fluoranthene	0.097	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Fluorene	0.028J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.028J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Phenanthrene	0.18	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Pyrene	0.12	ug/L	0.050	04/11/24 00:06	
SM 2320B	Alkalinity, Total as CaCO3	674	mg/L	10.0	04/16/24 12:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	674	mg/L	10.0	04/16/24 12:40	
EPA 300.0	Sulfate	1760	mg/L	100	04/18/24 13:54	
SM 5310C	Total Organic Carbon	5.5	mg/L	0.50	04/09/24 10:34	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453014	MGP-MW-15-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.037J	mg/L	0.091	04/11/24 07:40	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.32	mg/L	0.091	04/11/24 07:40	
EPA 8015B Modified	Methane	180	ug/L	2.8	04/16/24 10:55	
EPA 6010D	Barium, Dissolved	38.4	ug/L	5.0	04/11/24 17:21	
EPA 6010D	Iron, Dissolved	2540	ug/L	100	04/11/24 17:21	
EPA 6010D	Manganese, Dissolved	316	ug/L	5.0	04/11/24 17:21	
EPA 6010D	Total Hardness by 2340B, Dissolved	226000	ug/L	5400	04/11/24 17:21	
EPA 8270E by SIM	Acenaphthene	14.4	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Acenaphthylene	0.26	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Anthracene	0.72	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Benzo(a)anthracene	0.40	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Benzo(a)pyrene	0.17	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.14	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.076	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.057	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Chrysene	0.39	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Fluoranthene	4.9	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Fluorene	7.2	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.063	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Naphthalene	0.27	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Phenanthrene	5.7	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Pyrene	4.9	ug/L	0.050	04/09/24 22:43	
SM 2320B	Alkalinity, Total as CaCO3	153	mg/L	10.0	04/16/24 12:54	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	153	mg/L	10.0	04/16/24 12:54	
EPA 300.0	Sulfate	21.2	mg/L	10.0	04/17/24 19:01	
EPA 353.2	Nitrogen, NO2 plus NO3	0.80	mg/L	0.25	04/10/24 08:14	
SM 5310C	Total Organic Carbon	7.7	mg/L	0.50	04/09/24 10:53	
40276453015	MGP-MW-16-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.032J	mg/L	0.091	04/11/24 07:48	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.058J	mg/L	0.091	04/11/24 07:48	B
EPA 8015B Modified	Methane	69.0	ug/L	2.8	04/16/24 11:03	
EPA 6010D	Barium, Dissolved	414	ug/L	5.0	04/11/24 17:23	
EPA 6010D	Cobalt, Dissolved	3.2J	ug/L	5.0	04/11/24 17:23	
EPA 6010D	Copper, Dissolved	4.1J	ug/L	10.0	04/11/24 17:23	
EPA 6010D	Iron, Dissolved	20600	ug/L	100	04/11/24 17:23	
EPA 6010D	Manganese, Dissolved	1610	ug/L	5.0	04/11/24 17:23	
EPA 6010D	Nickel, Dissolved	5.1J	ug/L	10.0	04/11/24 17:23	
EPA 6010D	Total Hardness by 2340B, Dissolved	1380000	ug/L	5400	04/11/24 17:23	
EPA 8270E by SIM	Acenaphthene	0.035J	ug/L	0.051	04/09/24 18:46	
EPA 8270E by SIM	Anthracene	0.021J	ug/L	0.051	04/09/24 18:46	
EPA 8270E by SIM	Benzo(a)anthracene	0.016J	ug/L	0.051	04/09/24 18:46	
EPA 8270E by SIM	Chrysene	0.013J	ug/L	0.051	04/09/24 18:46	
EPA 8270E by SIM	Fluoranthene	0.038J	ug/L	0.051	04/09/24 18:46	
EPA 8270E by SIM	Naphthalene	0.067	ug/L	0.051	04/09/24 18:46	
EPA 8270E by SIM	Phenanthrene	0.086	ug/L	0.051	04/09/24 18:46	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453015	MGP-MW-16-24Q1					
EPA 8270E by SIM	Pyrene	0.041J	ug/L	0.051	04/09/24 18:46	
SM 2320B	Alkalinity, Total as CaCO3	314	mg/L	10.0	04/16/24 13:01	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	314	mg/L	10.0	04/16/24 13:01	
EPA 300.0	Sulfate	75.6	mg/L	10.0	04/17/24 19:16	
EPA 353.2	Nitrogen, NO2 plus NO3	5.1	mg/L	0.25	04/10/24 08:15	
SM 5310C	Total Organic Carbon	4.0	mg/L	0.50	04/09/24 11:11	
40276453016	MGP-MW-17-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.060J	mg/L	0.090	04/16/24 06:56	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.10	mg/L	0.090	04/16/24 06:56	B
EPA 8015B Modified	Methane	11000	ug/L	112	04/16/24 14:40	
EPA 6010D	Barium, Dissolved	170	ug/L	5.0	04/11/24 17:51	
EPA 6010D	Cobalt, Dissolved	3.1J	ug/L	5.0	04/11/24 17:51	
EPA 6010D	Iron, Dissolved	33500	ug/L	100	04/11/24 17:51	
EPA 6010D	Manganese, Dissolved	1500	ug/L	5.0	04/11/24 17:51	
EPA 6010D	Total Hardness by 2340B, Dissolved	416000	ug/L	5400	04/11/24 17:51	
EPA 8270E by SIM	Acenaphthene	0.035J	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Anthracene	0.019J	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Benzo(a)anthracene	0.017J	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Chrysene	0.014J	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Fluoranthene	0.050	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Naphthalene	0.024J	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Phenanthrene	0.13	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Pyrene	0.063	ug/L	0.049	04/11/24 00:25	
SM 2320B	Alkalinity, Total as CaCO3	423	mg/L	10.0	04/16/24 13:11	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	423	mg/L	10.0	04/16/24 13:11	
EPA 300.0	Sulfate	4.1J	mg/L	10.0	04/17/24 19:30	D3
EPA 353.2	Nitrogen, NO2 plus NO3	0.16J	mg/L	0.25	04/10/24 08:16	
SM 5310C	Total Organic Carbon	9.3	mg/L	0.50	04/09/24 11:31	
40276453017	MGP-MW-21-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.056J	mg/L	0.092	04/16/24 07:04	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.11	mg/L	0.092	04/16/24 07:04	B
EPA 8015B Modified	Methane	13600	ug/L	140	04/16/24 14:48	
EPA 6010D	Arsenic, Dissolved	10.6J	ug/L	25.0	04/11/24 17:54	
EPA 6010D	Barium, Dissolved	121	ug/L	5.0	04/11/24 17:54	
EPA 6010D	Cobalt, Dissolved	2.0J	ug/L	5.0	04/11/24 17:54	
EPA 6010D	Iron, Dissolved	38100	ug/L	100	04/11/24 17:54	
EPA 6010D	Manganese, Dissolved	2300	ug/L	5.0	04/11/24 17:54	
EPA 6010D	Total Hardness by 2340B, Dissolved	424000	ug/L	5400	04/11/24 17:54	
EPA 8270E by SIM	Acenaphthene	0.036J	ug/L	0.051	04/11/24 00:43	
EPA 8270E by SIM	Fluoranthene	0.027J	ug/L	0.051	04/11/24 00:43	
EPA 8270E by SIM	Phenanthrene	0.074	ug/L	0.051	04/11/24 00:43	
EPA 8270E by SIM	Pyrene	0.034J	ug/L	0.051	04/11/24 00:43	
SM 2320B	Alkalinity, Total as CaCO3	371	mg/L	10.0	04/16/24 13:22	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	371	mg/L	10.0	04/16/24 13:22	
SM 5310C	Total Organic Carbon	12.0	mg/L	1.5	04/09/24 11:50	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453018	MGP-MW-22-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.042J	mg/L	0.090	04/11/24 07:56	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.72	mg/L	0.090	04/11/24 07:56	
EPA 8015B Modified	Methane	2400	ug/L	28.0	04/16/24 15:17	
EPA 6010D	Barium, Dissolved	4270	ug/L	5.0	04/11/24 17:56	
EPA 6010D	Chromium, Dissolved	3.0J	ug/L	10.0	04/11/24 17:56	
EPA 6010D	Cobalt, Dissolved	10.1	ug/L	5.0	04/11/24 17:56	
EPA 6010D	Copper, Dissolved	24.4	ug/L	10.0	04/11/24 17:56	
EPA 6010D	Lead, Dissolved	59.1	ug/L	20.0	04/11/24 17:56	
EPA 6010D	Nickel, Dissolved	9.9J	ug/L	10.0	04/11/24 17:56	
EPA 6010D	Total Hardness by 2340B, Dissolved	1800000	ug/L	5400	04/11/24 17:56	
EPA 6010D	Zinc, Dissolved	11.9J	ug/L	40.0	04/11/24 17:56	
EPA 8270E by SIM	Acenaphthene	1.9	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Acenaphthylene	0.015J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Anthracene	0.036J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Benzo(a)anthracene	0.036J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Benzo(a)pyrene	0.022J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.020J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Chrysene	0.031J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Fluoranthene	0.086	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Fluorene	0.043J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Naphthalene	0.57	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Phenanthrene	0.21	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Pyrene	0.10	ug/L	0.050	04/09/24 19:04	
EPA 8260	Benzene	2.6	ug/L	1.0	04/10/24 20:51	
EPA 8260	Toluene	1.1	ug/L	1.0	04/10/24 20:51	
SM 2320B	Alkalinity, Total as CaCO3	2240	mg/L	10.0	04/17/24 10:04	
SM 2320B	Alkalinity, Carbonate (CaCO3)	107	mg/L	10.0	04/17/24 10:04	
EPA 353.2	Nitrogen, NO2 plus NO3	1.6	mg/L	0.25	04/10/24 08:17	
SM 5310C	Total Organic Carbon	17.3	mg/L	3.0	04/09/24 12:26	
40276453019	MGP-MW-29-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.18J	mg/L	0.19	04/11/24 09:33	
EPA 8015C Modified	TPH - Diesel (C10-C28)	2.6	mg/L	0.19	04/11/24 09:33	
EPA 8015B Modified	Methane	19900	ug/L	280	04/16/24 15:23	
WI MOD GRO	Gasoline Range Organics	858	ug/L	50.0	04/10/24 12:58	GO
EPA 6010D	Arsenic, Dissolved	80.7	ug/L	25.0	04/11/24 17:58	
EPA 6010D	Barium, Dissolved	81.0	ug/L	5.0	04/11/24 17:58	
EPA 6010D	Beryllium, Dissolved	0.73J	ug/L	4.0	04/11/24 17:58	
EPA 6010D	Chromium, Dissolved	36.0	ug/L	10.0	04/11/24 17:58	
EPA 6010D	Copper, Dissolved	46.0	ug/L	10.0	04/11/24 17:58	
EPA 6010D	Iron, Dissolved	1630	ug/L	100	04/11/24 17:58	
EPA 6010D	Manganese, Dissolved	17.5	ug/L	5.0	04/11/24 17:58	
EPA 6010D	Nickel, Dissolved	45.7	ug/L	10.0	04/11/24 17:58	
EPA 6010D	Total Hardness by 2340B, Dissolved	41100	ug/L	5400	04/11/24 17:58	
EPA 6010D	Vanadium, Dissolved	450	ug/L	10.0	04/11/24 17:58	
EPA 8270E by SIM	Acenaphthene	42.5	ug/L	0.39	04/09/24 22:26	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453019	MGP-MW-29-24Q1					
EPA 8270E by SIM	Acenaphthylene	0.69	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Anthracene	3.0	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Benzo(a)anthracene	1.0	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Benzo(a)pyrene	0.77	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.63	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.35J	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.23J	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Chrysene	1.1	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Fluoranthene	4.7	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Fluorene	8.6	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.26J	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Naphthalene	87.9	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Phenanthrene	19.4	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Pyrene	5.8	ug/L	0.39	04/09/24 22:26	
EPA 8260	Benzene	193	ug/L	1.0	04/10/24 21:38	
EPA 8260	Ethylbenzene	24.8	ug/L	1.0	04/10/24 21:38	
EPA 8260	Toluene	9.7	ug/L	1.0	04/10/24 21:38	
EPA 8260	Xylene (Total)	104	ug/L	3.0	04/10/24 21:38	
SM 2320B	Alkalinity, Total as CaCO3	645	mg/L	10.0	04/16/24 14:00	
SM 2320B	Alkalinity,Carbonate (CaCO3)	610	mg/L	10.0	04/16/24 14:00	
SM 5310C	Total Organic Carbon	94.4	mg/L	5.0	04/09/24 12:43	
40276453020	MGP-MW-28-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.041J	mg/L	0.091	04/11/24 08:12	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.079J	mg/L	0.091	04/11/24 08:12	B
EPA 8015B Modified	Methane	69.6	ug/L	2.8	04/16/24 12:38	
EPA 6010D	Barium, Dissolved	42.8	ug/L	5.0	04/11/24 18:00	
EPA 6010D	Iron, Dissolved	1140	ug/L	100	04/11/24 18:00	
EPA 6010D	Manganese, Dissolved	134	ug/L	5.0	04/11/24 18:00	
EPA 6010D	Total Hardness by 2340B, Dissolved	237000	ug/L	5400	04/11/24 18:00	
EPA 8270E by SIM	Acenaphthene	0.044J	ug/L	0.048	04/09/24 19:23	
EPA 8270E by SIM	Naphthalene	0.076	ug/L	0.048	04/09/24 19:23	
SM 2320B	Alkalinity, Total as CaCO3	207	mg/L	10.0	04/16/24 14:25	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	207	mg/L	10.0	04/16/24 14:25	
EPA 300.0	Sulfate	79.6	mg/L	10.0	04/17/24 19:59	
EPA 353.2	Nitrogen, NO2 plus NO3	0.34	mg/L	0.25	04/10/24 08:19	
SM 5310C	Total Organic Carbon	2.6	mg/L	0.50	04/09/24 13:01	
40276453022	MGP-MW-FD-2					
EPA 8015C Modified	TPH (C28-C36)	0.035J	mg/L	0.090	04/11/24 08:20	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.068J	mg/L	0.090	04/11/24 08:20	B
EPA 8015B Modified	Methane	70.8	ug/L	2.8	04/16/24 12:45	
EPA 6010D	Barium, Dissolved	42.9	ug/L	5.0	04/11/24 18:02	
EPA 6010D	Copper, Dissolved	3.4J	ug/L	10.0	04/11/24 18:02	
EPA 6010D	Iron, Dissolved	1100	ug/L	100	04/11/24 18:02	
EPA 6010D	Manganese, Dissolved	132	ug/L	5.0	04/11/24 18:02	
EPA 6010D	Total Hardness by 2340B, Dissolved	237000	ug/L	5400	04/11/24 18:02	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453022	MGP-MW-FD-2					
EPA 8270E by SIM	Acenaphthene	0.031J	ug/L	0.048	04/09/24 19:41	
EPA 8270E by SIM	Naphthalene	0.024J	ug/L	0.048	04/09/24 19:41	
SM 2320B	Alkalinity, Total as CaCO3	194	mg/L	10.0	04/16/24 14:32	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	194	mg/L	10.0	04/16/24 14:32	
EPA 300.0	Sulfate	91.8	mg/L	10.0	04/17/24 20:13	
EPA 353.2	Nitrogen, NO2 plus NO3	0.33	mg/L	0.25	04/10/24 08:20	
SM 5310C	Total Organic Carbon	2.5	mg/L	0.50	04/09/24 14:30	
40276453023	MGP-MW-20R-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.19	mg/L	0.093	04/16/24 08:02	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.87	mg/L	0.093	04/16/24 08:02	M0
EPA 8015B Modified	Methane	673	ug/L	28.0	04/17/24 13:26	M1
WI MOD GRO	Gasoline Range Organics	181	ug/L	50.0	04/10/24 14:41	GO
EPA 6010D	Barium, Dissolved	135	ug/L	5.0	04/11/24 16:43	
EPA 6010D	Iron, Dissolved	12000	ug/L	100	04/11/24 16:43	
EPA 6010D	Manganese, Dissolved	4590	ug/L	50.0	04/11/24 16:35	P6
EPA 6010D	Total Hardness by 2340B, Dissolved	463000	ug/L	54000	04/11/24 16:35	
EPA 8270E by SIM	Acenaphthene	4.3	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Acenaphthylene	0.78	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Anthracene	0.18	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Benzo(a)anthracene	0.038J	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.019J	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Chrysene	0.028J	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Fluoranthene	0.36	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Fluorene	0.75	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Naphthalene	20.5	ug/L	0.10	04/09/24 20:36	M1
EPA 8270E by SIM	Phenanthrene	0.52	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Pyrene	0.32	ug/L	0.10	04/09/24 20:36	
EPA 8260	Benzene	66.8	ug/L	1.0	04/12/24 12:12	
EPA 8260	Ethylbenzene	7.5	ug/L	1.0	04/12/24 12:12	
EPA 8260	Toluene	2.8	ug/L	1.0	04/12/24 12:12	
EPA 8260	Xylene (Total)	9.7	ug/L	3.0	04/12/24 12:12	
SM 2320B	Alkalinity, Total as CaCO3	402	mg/L	10.0	04/16/24 14:51	M0
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	402	mg/L	10.0	04/16/24 14:51	
EPA 300.0	Sulfate	141	mg/L	10.0	04/17/24 21:11	
SM 5310C	Total Organic Carbon	27.0	mg/L	7.5	04/09/24 13:16	
40276453024	MGP-MW-6R-24Q1					
EPA 8015C Modified	TPH - Diesel (C10-C28)	28.3	mg/L	4.5	04/11/24 09:41	
EPA 8015B Modified	Methane	6230	ug/L	112	04/16/24 15:30	
WI MOD GRO	Gasoline Range Organics	1220	ug/L	100	04/10/24 17:42	G+
EPA 6010D	Barium, Dissolved	107	ug/L	5.0	04/11/24 18:04	
EPA 6010D	Iron, Dissolved	60.7J	ug/L	100	04/11/24 18:04	
EPA 6010D	Manganese, Dissolved	291	ug/L	5.0	04/11/24 18:04	
EPA 6010D	Total Hardness by 2340B, Dissolved	580000	ug/L	5400	04/11/24 18:04	
EPA 6010D	Vanadium, Dissolved	4.6J	ug/L	10.0	04/11/24 18:04	
EPA 8270E by SIM	Acenaphthene	60.3	ug/L	14.9	04/09/24 20:54	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40276453024	MGP-MW-6R-24Q1					
EPA 8270E by SIM	Acenaphthylene	20.3	ug/L	14.9	04/09/24 20:54	
EPA 8270E by SIM	Fluorene	20.2	ug/L	14.9	04/09/24 20:54	
EPA 8270E by SIM	Naphthalene	2050	ug/L	14.9	04/09/24 20:54	
EPA 8270E by SIM	Phenanthrene	33.2	ug/L	14.9	04/09/24 20:54	
EPA 8260	Benzene	10800	ug/L	100	04/12/24 16:39	
EPA 8260	Ethylbenzene	3760	ug/L	100	04/12/24 16:39	
EPA 8260	Styrene	542	ug/L	100	04/12/24 16:39	
EPA 8260	Toluene	18100	ug/L	100	04/12/24 16:39	
EPA 8260	Xylene (Total)	11000	ug/L	300	04/12/24 16:39	
SM 2320B	Alkalinity, Total as CaCO3	467	mg/L	10.0	04/16/24 15:35	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	467	mg/L	10.0	04/16/24 15:35	
SM 4500-S F (2000)	Sulfide	10.4J	mg/L	15.9	04/08/24 12:41	1q,D3
EPA 300.0	Sulfate	158	mg/L	20.0	04/16/24 13:38	
SM 5310C	Total Organic Carbon	10.6	mg/L	3.0	04/09/24 14:46	
40276453025	MGP-MW-7R-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.039J	mg/L	0.091	04/11/24 08:36	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.12	mg/L	0.091	04/11/24 08:36	B
WI MOD GRO	Gasoline Range Organics	37.0J	ug/L	50.0	04/10/24 15:07	
EPA 6010D	Barium, Dissolved	184	ug/L	5.0	04/11/24 18:05	
EPA 6010D	Copper, Dissolved	3.9J	ug/L	10.0	04/11/24 18:05	
EPA 6010D	Iron, Dissolved	621	ug/L	100	04/11/24 18:05	
EPA 6010D	Manganese, Dissolved	3170	ug/L	5.0	04/11/24 18:05	
EPA 6010D	Total Hardness by 2340B, Dissolved	620000	ug/L	5400	04/11/24 18:05	
EPA 8270E by SIM	Acenaphthene	0.53	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Acenaphthylene	0.035J	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Anthracene	0.12	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Benzo(a)anthracene	0.017J	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.010J	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Chrysene	0.013J	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Fluoranthene	0.13	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Fluorene	0.064	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Naphthalene	0.95	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Phenanthrene	0.21	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Pyrene	0.14	ug/L	0.050	04/09/24 19:59	
EPA 8260	Benzene	27.2	ug/L	1.0	04/10/24 18:44	
SM 2320B	Alkalinity, Total as CaCO3	266	mg/L	10.0	04/16/24 16:02	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	266	mg/L	10.0	04/16/24 16:02	
EPA 300.0	Sulfate	282	mg/L	20.0	04/18/24 16:20	
SM 5310C	Total Organic Carbon	18.4	mg/L	3.0	04/09/24 15:22	
40276453026	MGP-MW-8R-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.92J	mg/L	2.3	04/16/24 08:18	
EPA 8015C Modified	TPH - Diesel (C10-C28)	17.8	mg/L	2.3	04/16/24 08:18	
EPA 8015B Modified	Methane	3160	ug/L	112	04/17/24 13:33	
WI MOD GRO	Gasoline Range Organics	3880	ug/L	200	04/10/24 18:07	G+
EPA 6010D	Arsenic, Dissolved	13.2J	ug/L	25.0	04/11/24 18:07	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40276453026	MGP-MW-8R-24Q1					
EPA 6010D	Barium, Dissolved	396	ug/L	5.0	04/11/24 18:07	
EPA 6010D	Iron, Dissolved	131	ug/L	100	04/11/24 18:07	
EPA 6010D	Nickel, Dissolved	18.0	ug/L	10.0	04/11/24 18:07	
EPA 6010D	Total Hardness by 2340B, Dissolved	533000	ug/L	5400	04/11/24 18:07	
EPA 6010D	Vanadium, Dissolved	129	ug/L	10.0	04/11/24 18:07	
EPA 7470	Mercury, Dissolved	0.31	ug/L	0.20	04/22/24 10:47	
EPA 8270E by SIM	Acenaphthene	87.8	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Acenaphthylene	6.9	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Anthracene	5.3	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Fluoranthene	2.8J	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Fluorene	22.1	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Naphthalene	870	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Phenanthrene	30.6	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Pyrene	2.8J	ug/L	4.9	04/10/24 00:15	
EPA 8260	Benzene	112000	ug/L	1000	04/15/24 09:01	
EPA 8260	Ethylbenzene	896	ug/L	200	04/12/24 16:24	
EPA 8260	Styrene	1670	ug/L	200	04/12/24 16:24	
EPA 8260	Toluene	48400	ug/L	200	04/12/24 16:24	
EPA 8260	Xylene (Total)	7100	ug/L	600	04/12/24 16:24	
SM 2320B	Alkalinity, Total as CaCO3	580	mg/L	10.0	04/16/24 16:11	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	20.2	mg/L	10.0	04/16/24 16:11	
SM 2320B	Alkalinity,Carbonate (CaCO3)	560	mg/L	10.0	04/16/24 16:11	
SM 4500-S F (2000)	Sulfide	4.8	mg/L	4.0	04/08/24 20:03	
EPA 300.0	Sulfate	50.5	mg/L	40.0	04/18/24 16:34	
SM 5310C	Total Organic Carbon	98.4	mg/L	10.0	04/09/24 15:37	
40276453027	MGP-MW-27-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.072J	mg/L	0.091	04/11/24 06:13	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.23	mg/L	0.091	04/11/24 06:13	B,MO
EPA 8015B Modified	Methane	151	ug/L	2.8	04/16/24 13:06	M1
WI MOD GRO	Gasoline Range Organics	73.0	ug/L	50.0	04/10/24 15:33	G-
EPA 6010D	Barium, Dissolved	144	ug/L	5.0	04/11/24 17:40	
EPA 6010D	Iron, Dissolved	1540	ug/L	100	04/11/24 17:40	
EPA 6010D	Manganese, Dissolved	565	ug/L	5.0	04/11/24 17:40	
EPA 6010D	Total Hardness by 2340B, Dissolved	438000	ug/L	54000	04/11/24 17:32	
EPA 8270E by SIM	Acenaphthene	0.022J	ug/L	0.051	04/09/24 16:22	
EPA 8270E by SIM	Fluoranthene	0.029J	ug/L	0.051	04/09/24 16:22	
EPA 8270E by SIM	Naphthalene	0.14	ug/L	0.051	04/09/24 16:22	
EPA 8270E by SIM	Pyrene	0.030J	ug/L	0.051	04/09/24 16:22	
EPA 8260	Benzene	40.6	ug/L	1.0	04/10/24 15:30	
EPA 8260	Ethylbenzene	0.66J	ug/L	1.0	04/10/24 15:30	
EPA 8260	Styrene	0.56J	ug/L	1.0	04/10/24 15:30	
EPA 8260	Toluene	6.6	ug/L	1.0	04/10/24 15:30	
EPA 8260	Xylene (Total)	5.2	ug/L	3.0	04/10/24 15:30	
SM 2320B	Alkalinity, Total as CaCO3	49.7	mg/L	10.0	04/16/24 16:39	MO
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	49.7	mg/L	10.0	04/16/24 16:39	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40276453027	MGP-MW-27-24Q1					
EPA 300.0	Sulfate	80.7	mg/L	20.0	04/18/24 16:48	M0
SM 5310C	Total Organic Carbon	6.7	mg/L	3.0	04/09/24 15:53	
40276453028	MGP-MW-30-24Q1					
EPA 6010D	Barium, Dissolved	204	ug/L	5.0	04/11/24 18:13	
EPA 6010D	Copper, Dissolved	3.8J	ug/L	10.0	04/11/24 18:13	
EPA 6010D	Manganese, Dissolved	895	ug/L	5.0	04/11/24 18:13	
EPA 6010D	Total Hardness by 2340B, Dissolved	971000	ug/L	5400	04/11/24 18:13	
EPA 6010D	Vanadium, Dissolved	2.7J	ug/L	10.0	04/11/24 18:13	
EPA 8270E by SIM	Acenaphthene	0.12	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Acenaphthylene	0.043J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Anthracene	0.048J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Benzo(a)anthracene	0.032J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Benzo(a)pyrene	0.017J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.019J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Chrysene	0.030J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Fluoranthene	0.089	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Fluorene	0.052	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Naphthalene	0.046J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Phenanthrene	0.17	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Pyrene	0.12	ug/L	0.050	04/11/24 01:01	
SM 2320B	Alkalinity, Total as CaCO3	465	mg/L	10.0	04/16/24 16:59	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	465	mg/L	10.0	04/16/24 16:59	
EPA 300.0	Sulfate	437	mg/L	40.0	04/18/24 13:43	
EPA 353.2	Nitrogen, NO2 plus NO3	0.16J	mg/L	0.25	04/10/24 08:30	
40276453029	MGP-MW-31-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.091	mg/L	0.091	04/11/24 08:44	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.11	mg/L	0.091	04/11/24 08:44	B
EPA 8015B Modified	Methane	17.8	ug/L	2.8	04/16/24 13:13	
EPA 6010D	Barium, Dissolved	143	ug/L	5.0	04/11/24 18:15	
EPA 6010D	Manganese, Dissolved	145	ug/L	5.0	04/11/24 18:15	
EPA 6010D	Total Hardness by 2340B, Dissolved	646000	ug/L	5400	04/11/24 18:15	
EPA 6010D	Vanadium, Dissolved	2.8J	ug/L	10.0	04/11/24 18:15	
EPA 8270E by SIM	Naphthalene	0.070	ug/L	0.050	04/09/24 20:17	
SM 2320B	Alkalinity, Total as CaCO3	392	mg/L	10.0	04/16/24 17:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	392	mg/L	10.0	04/16/24 17:09	
EPA 300.0	Sulfate	134	mg/L	20.0	04/18/24 17:31	
EPA 353.2	Nitrogen, NO2 plus NO3	0.71	mg/L	0.25	04/10/24 08:33	
SM 5310C	Total Organic Carbon	2.9	mg/L	0.50	04/09/24 16:44	
40276453030	MGP-MW-FD-3					
EPA 8015C Modified	TPH (C28-C36)	0.061J	mg/L	0.092	04/16/24 07:20	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.12	mg/L	0.092	04/16/24 07:20	B
EPA 8015B Modified	Methane	6680	ug/L	140	04/17/24 13:40	
EPA 6010D	Arsenic, Dissolved	13.6J	ug/L	25.0	04/11/24 18:17	
EPA 6010D	Barium, Dissolved	117	ug/L	5.0	04/11/24 18:17	

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40276453030	MGP-MW-FD-3					
EPA 6010D	Iron, Dissolved	36800	ug/L	100	04/11/24 18:17	
EPA 6010D	Manganese, Dissolved	2230	ug/L	5.0	04/11/24 18:17	
EPA 6010D	Total Hardness by 2340B, Dissolved	406000	ug/L	5400	04/11/24 18:17	
EPA 8270E by SIM	Acenaphthene	0.028J	ug/L	0.052	04/11/24 01:19	
EPA 8270E by SIM	Phenanthrene	0.050J	ug/L	0.052	04/11/24 01:19	
SM 2320B	Alkalinity, Total as CaCO3	377	mg/L	10.0	04/16/24 17:18	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	377	mg/L	10.0	04/16/24 17:18	
EPA 300.0	Sulfate	0.46J	mg/L	2.0	04/15/24 22:27	
EPA 353.2	Nitrogen, NO2 plus NO3	0.086J	mg/L	0.25	04/10/24 08:34	
SM 5310C	Total Organic Carbon	11.9	mg/L	3.0	04/09/24 17:02	

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Date: May 07, 2024

MGP-MW-30-24Q1 (Lab ID: 40276453028)

- Some tests were not able to be run on sample -028 due to lack of volume from the well.

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Method: EPA 8015C Modified
Description: 8015C GCS THC-Diesel
Client: Foth Infrastructure & Environment
Date: May 07, 2024

General Information:

27 samples were analyzed for EPA 8015C Modified by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 471183

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MGP-MW-29-24Q1 (Lab ID: 40276453019)
 - o-Terphenyl (S)
- MGP-MW-3B-24Q1 (Lab ID: 40276453005)
 - o-Terphenyl (S)
- MGP-MW-6R-24Q1 (Lab ID: 40276453024)
 - o-Terphenyl (S)
- MGP-MW-FD-1 (Lab ID: 40276453010)
 - o-Terphenyl (S)

QC Batch: 471299

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MGP-MW-8R-24Q1 (Lab ID: 40276453026)
 - o-Terphenyl (S)
- MGP-MW-9-24Q1 (Lab ID: 40276453006)
 - o-Terphenyl (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 471299

B: Analyte was detected in the associated method blank.

- BLANK for HBN 471299 [OEXT/561 (Lab ID: 2698918)]
 - TPH - Diesel (C10-C28)

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 8015C Modified

Description: 8015C GCS THC-Diesel

Client: Foth Infrastructure & Environment

Date: May 07, 2024

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 471183

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453027

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

- MS (Lab ID: 2698438)
 - TPH - Diesel (C10-C28)
- MSD (Lab ID: 2698439)
 - TPH - Diesel (C10-C28)

QC Batch: 471299

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453023

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

- MS (Lab ID: 2698921)
 - TPH - Diesel (C10-C28)
- MSD (Lab ID: 2698922)
 - TPH - Diesel (C10-C28)

Additional Comments:

Batch Comments:

The default spike range of the standard used for QC evaluation is C10-C28. All other carbon ranges may recover outside of spike limits because they may not cover the range of the spike used.

- QC Batch: 471251
- QC Batch: 471330

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

28 samples were analyzed for EPA 8015B Modified by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 471746

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453027

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 2701521)
- Methane

QC Batch: 471856

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453023

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2702306)
- Methane
- MSD (Lab ID: 2702307)
- Methane

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: WI MOD GRO

Description: WIGRO GCV

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

30 samples were analyzed for WI MOD GRO by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 6010D

Description: 6010D MET ICP, Dissolved

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

28 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 7470

Description: 7470 Mercury, Dissolved

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

28 samples were analyzed for EPA 7470 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

28 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 471070

S0: Surrogate recovery outside laboratory control limits.

- MGP-MW-29-24Q1 (Lab ID: 40276453019)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)

QC Batch: 471209

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MGP-MW-8R-24Q1 (Lab ID: 40276453026)
 - Terphenyl-d14 (S)
- MGP-MW-9-24Q1 (Lab ID: 40276453006)
 - Terphenyl-d14 (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

Client: Foth Infrastructure & Environment

Date: May 07, 2024

QC Batch: 471209

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453023

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2698537)
 - Naphthalene
- MSD (Lab ID: 2698538)
 - Naphthalene

Additional Comments:

Analyte Comments:

QC Batch: 471070

2q: The surrogate may have failed due to a matrix effect, as this sample formed a thick emulsion during extraction [not confirmed by re-extraction or re-analysis].

- MGP-MW-29-24Q1 (Lab ID: 40276453019)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 8260

Description: 8260 MSV

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

30 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: SM 2320B

Description: 2320B Alkalinity

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

28 samples were analyzed for SM 2320B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 471781

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453005

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

- MS (Lab ID: 2701634)
 - Alkalinity, Total as CaCO₃

QC Batch: 471782

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453023,40276453027

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

- MS (Lab ID: 2701638)
 - Alkalinity, Total as CaCO₃
- MS (Lab ID: 2701640)
 - Alkalinity, Total as CaCO₃
- MSD (Lab ID: 2701639)
 - Alkalinity, Total as CaCO₃
- MSD (Lab ID: 2701641)
 - Alkalinity, Total as CaCO₃

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Method: SM 4500-S F (2000)
Description: 4500S2F Sulfide, Iodometric
Client: Foth Infrastructure & Environment
Date: May 07, 2024

General Information:

28 samples were analyzed for SM 4500-S F (2000) by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

- P4: Sample field preservation does not meet EPA or method recommendations for this analysis.
- MGP-MW-30-24Q1 (Lab ID: 40276453028)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 471321

- R1: RPD value was outside control limits.
- LCS (Lab ID: 2699007)
 - Sulfide
 - LCSD (Lab ID: 2699017)
 - Sulfide

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 471321

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: 471094

- 1q: Sample was received with headspace.
- MGP-MW-27-24Q1 (Lab ID: 40276453027)
 - Sulfide
 - MGP-MW-31-24Q1 (Lab ID: 40276453029)
 - Sulfide
 - MGP-MW-6R-24Q1 (Lab ID: 40276453024)
 - Sulfide

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MGP-MW-6R-24Q1 (Lab ID: 40276453024)
 - Sulfide

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: SM 4500-S F (2000)

Description: 4500S2F Sulfide, Iodometric

Client: Foth Infrastructure & Environment

Date: May 07, 2024

Analyte Comments:

QC Batch: 471163

1q: Sample was received with headspace.

- MGP-MW-22-24Q1 (Lab ID: 40276453018)
 - Sulfide
- MGP-MW-29-24Q1 (Lab ID: 40276453019)
 - Sulfide

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MGP-MW-21-24Q1 (Lab ID: 40276453017)
 - Sulfide
- MGP-MW-29-24Q1 (Lab ID: 40276453019)
 - Sulfide

QC Batch: 471321

1q: Sample was received with headspace.

- MGP-MW-30-24Q1 (Lab ID: 40276453028)
 - Sulfide

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 300.0

Description: 300.0 IC Anions

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

28 samples were analyzed for EPA 300.0 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 471510

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276259001,40276453001

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

- MS (Lab ID: 2700382)
 - Sulfate
- MS (Lab ID: 2700384)
 - Sulfate
- MSD (Lab ID: 2700383)
 - Sulfate
- MSD (Lab ID: 2700385)
 - Sulfate

QC Batch: 471615

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453027,40276699004

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

- MS (Lab ID: 2700963)
 - Sulfate

Additional Comments:

Analyte Comments:

QC Batch: 471614

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MGP-MW-17-24Q1 (Lab ID: 40276453016)
 - Sulfate
- MGP-MW-21-24Q1 (Lab ID: 40276453017)
 - Sulfate

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 300.0

Description: 300.0 IC Anions

Client: Foth Infrastructure & Environment

Date: May 07, 2024

Analyte Comments:

QC Batch: 471614

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MGP-MW-22-24Q1 (Lab ID: 40276453018)
 - Sulfate
- MGP-MW-29-24Q1 (Lab ID: 40276453019)
 - Sulfate
- MGP-MW-9-24Q1 (Lab ID: 40276453006)
 - Sulfate

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂/NO₃ pres.

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

28 samples were analyzed for EPA 353.2 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: SM 5310C

Description: 5310C TOC

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

27 samples were analyzed for SM 5310C by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-1-24Q1 Lab ID: 40276453001 Collected: 04/03/24 12:47 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	<0.027	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:20		
TPH - Diesel (C10-C28)	0.047J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:20		B
Surrogates									
o-Terphenyl (S)	77	%	44-134		1	04/09/24 08:02	04/11/24 06:20	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		04/15/24 14:01	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 13:16		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 16:54	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 16:54	7440-38-2	
Barium, Dissolved	36.1	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:54	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 16:54	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 16:54	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 16:54	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 16:54	7440-48-4	
Copper, Dissolved	3.9J	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 16:54	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 16:54	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 16:54	7439-92-1	
Manganese, Dissolved	<1.5	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:54	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:54	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 16:54	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 16:54	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 16:54	7440-28-0	
Total Hardness by 2340B, Dissolved	1190000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 16:54		
Vanadium, Dissolved	3.0J	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:54	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 16:54	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:48	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 16:40	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 16:40	208-96-8	
Anthracene	<0.018	ug/L	0.048	0.018	1	04/08/24 12:20	04/09/24 16:40	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 16:40	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-1-24Q1 Lab ID: 40276453001 Collected: 04/03/24 12:47 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 16:40	50-32-8	
Benzo(b)fluoranthene	<0.0087	ug/L	0.048	0.0087	1	04/08/24 12:20	04/09/24 16:40	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 16:40	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.048	0.021	1	04/08/24 12:20	04/09/24 16:40	207-08-9	
Chrysene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 16:40	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	04/08/24 12:20	04/09/24 16:40	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 16:40	206-44-0	
Fluorene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 16:40	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	04/08/24 12:20	04/09/24 16:40	193-39-5	
Naphthalene	0.022J	ug/L	0.048	0.019	1	04/08/24 12:20	04/09/24 16:40	91-20-3	
Phenanthrene	<0.024	ug/L	0.048	0.024	1	04/08/24 12:20	04/09/24 16:40	85-01-8	
Pyrene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 16:40	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	52	%	38-120		1	04/08/24 12:20	04/09/24 16:40	321-60-8	
Terphenyl-d14 (S)	55	%	47-121		1	04/08/24 12:20	04/09/24 16:40	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 17:56	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 17:56	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 17:56	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 17:56	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 17:56	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 17:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/10/24 17:56	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/10/24 17:56	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	1000	mg/L	10.0	5.0	1		04/17/24 10:46		
Alkalinity,Bicarbonate (CaCO3)	1000	mg/L	10.0	5.0	1		04/17/24 10:46		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/17/24 10:46		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:15		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	474	mg/L	40.0	8.9	20		04/17/24 16:26	14808-79-8	M0
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 07:57		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-1-24Q1 Lab ID: 40276453001 Collected: 04/03/24 12:47 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	5.8	mg/L	0.50	0.19	1		04/09/24 06:38	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-2-24Q1 Lab ID: 40276453002 Collected: 04/03/24 10:45 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	<0.027	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:28		
TPH - Diesel (C10-C28)	0.052J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:28		B
Surrogates									
o-Terphenyl (S)	79	%	44-134		1	04/09/24 08:02	04/11/24 06:28	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		04/15/24 12:59	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 13:41		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 16:57	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 16:57	7440-38-2	
Barium, Dissolved	55.7	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:57	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 16:57	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 16:57	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 16:57	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 16:57	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 16:57	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 16:57	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 16:57	7439-92-1	
Manganese, Dissolved	<1.5	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:57	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:57	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 16:57	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 16:57	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 16:57	7440-28-0	
Total Hardness by 2340B, Dissolved	1040000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 16:57		
Vanadium, Dissolved	3.5J	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:57	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 16:57	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:51	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 16:58	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 16:58	208-96-8	
Anthracene	<0.018	ug/L	0.048	0.018	1	04/08/24 12:20	04/09/24 16:58	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 16:58	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-2-24Q1 Lab ID: 40276453002 Collected: 04/03/24 10:45 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 16:58	50-32-8	
Benzo(b)fluoranthene	<0.0087	ug/L	0.048	0.0087	1	04/08/24 12:20	04/09/24 16:58	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 16:58	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.048	0.021	1	04/08/24 12:20	04/09/24 16:58	207-08-9	
Chrysene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 16:58	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	04/08/24 12:20	04/09/24 16:58	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 16:58	206-44-0	
Fluorene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 16:58	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	04/08/24 12:20	04/09/24 16:58	193-39-5	
Naphthalene	<0.019	ug/L	0.048	0.019	1	04/08/24 12:20	04/09/24 16:58	91-20-3	
Phenanthrene	<0.024	ug/L	0.048	0.024	1	04/08/24 12:20	04/09/24 16:58	85-01-8	
Pyrene	<0.021	ug/L	0.048	0.021	1	04/08/24 12:20	04/09/24 16:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	38-120		1	04/08/24 12:20	04/09/24 16:58	321-60-8	
Terphenyl-d14 (S)	56	%	47-121		1	04/08/24 12:20	04/09/24 16:58	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 18:11	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 18:11	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 18:11	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 18:11	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 18:11	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/10/24 18:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 18:11	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 18:11	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	1010	mg/L	10.0	5.0	1		04/17/24 09:57		
Alkalinity,Bicarbonate (CaCO3)	1010	mg/L	10.0	5.0	1		04/17/24 09:57		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/17/24 09:57		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:17		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	188	mg/L	10.0	2.2	5		04/17/24 15:10	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 07:58		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-2-24Q1** Lab ID: **40276453002** Collected: 04/03/24 10:45 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	3.1	mg/L	0.50	0.19	1		04/09/24 07:27	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-4B-24Q1 **Lab ID:** 40276453003 Collected: 04/03/24 14:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.041J	mg/L	0.095	0.028	1	04/09/24 08:02	04/11/24 06:36		
TPH - Diesel (C10-C28)	0.081J	mg/L	0.095	0.028	1	04/09/24 08:02	04/11/24 06:36		B
Surrogates									
o-Terphenyl (S)	85	%	44-134		1	04/09/24 08:02	04/11/24 06:36	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		04/15/24 13:06	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 14:07		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 16:59	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 16:59	7440-38-2	
Barium, Dissolved	131	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:59	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 16:59	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 16:59	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 16:59	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 16:59	7440-48-4	
Copper, Dissolved	5.1J	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 16:59	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 16:59	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 16:59	7439-92-1	
Manganese, Dissolved	657	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:59	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:59	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 16:59	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 16:59	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 16:59	7440-28-0	
Total Hardness by 2340B, Dissolved	684000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 16:59		
Vanadium, Dissolved	5.1J	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:59	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 16:59	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:53	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.013	ug/L	0.047	0.013	1	04/08/24 12:20	04/09/24 17:16	83-32-9	
Acenaphthylene	<0.012	ug/L	0.047	0.012	1	04/08/24 12:20	04/09/24 17:16	208-96-8	
Anthracene	<0.017	ug/L	0.047	0.017	1	04/08/24 12:20	04/09/24 17:16	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.047	0.013	1	04/08/24 12:20	04/09/24 17:16	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-4B-24Q1 Lab ID: 40276453003 Collected: 04/03/24 14:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.012	ug/L	0.047	0.012	1	04/08/24 12:20	04/09/24 17:16	50-32-8	
Benzo(b)fluoranthene	<0.0086	ug/L	0.047	0.0086	1	04/08/24 12:20	04/09/24 17:16	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.047	0.022	1	04/08/24 12:20	04/09/24 17:16	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.047	0.021	1	04/08/24 12:20	04/09/24 17:16	207-08-9	
Chrysene	<0.012	ug/L	0.047	0.012	1	04/08/24 12:20	04/09/24 17:16	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.047	0.017	1	04/08/24 12:20	04/09/24 17:16	53-70-3	
Fluoranthene	<0.025	ug/L	0.047	0.025	1	04/08/24 12:20	04/09/24 17:16	206-44-0	
Fluorene	<0.022	ug/L	0.047	0.022	1	04/08/24 12:20	04/09/24 17:16	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.047	0.015	1	04/08/24 12:20	04/09/24 17:16	193-39-5	
Naphthalene	<0.019	ug/L	0.047	0.019	1	04/08/24 12:20	04/09/24 17:16	91-20-3	
Phenanthrene	<0.024	ug/L	0.047	0.024	1	04/08/24 12:20	04/09/24 17:16	85-01-8	
Pyrene	<0.021	ug/L	0.047	0.021	1	04/08/24 12:20	04/09/24 17:16	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	38-120		1	04/08/24 12:20	04/09/24 17:16	321-60-8	
Terphenyl-d14 (S)	54	%	47-121		1	04/08/24 12:20	04/09/24 17:16	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 18:27	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 18:27	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 18:27	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 18:27	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 18:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 18:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 18:27	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 18:27	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	629	mg/L	10.0	5.0	1		04/16/24 10:50		
Alkalinity,Bicarbonate (CaCO3)	629	mg/L	10.0	5.0	1		04/16/24 10:50		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 10:50		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:19		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	185	mg/L	10.0	2.2	5		04/17/24 15:53	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 07:59		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-4B-24Q1** Lab ID: **40276453003** Collected: 04/03/24 14:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	3.5	mg/L	0.50	0.19	1		04/09/24 07:42	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-5-24Q1 Lab ID: 40276453004 Collected: 04/03/24 07:56 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.070J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:44		
TPH - Diesel (C10-C28)	0.22	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:44		B
Surrogates									
o-Terphenyl (S)	93	%	44-134		1	04/09/24 08:02	04/11/24 06:44	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	4590	ug/L	112	23.0	40		04/15/24 15:39	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 17:34		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:01	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:01	7440-38-2	
Barium, Dissolved	73.0	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:01	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:01	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:01	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:01	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:01	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:01	7440-50-8	
Iron, Dissolved	203	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:01	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:01	7439-92-1	
Manganese, Dissolved	60.0	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:01	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:01	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:01	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:01	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:01	7440-28-0	
Total Hardness by 2340B, Dissolved	239000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:01		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:01	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:01	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:55	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.19	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 17:34	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 17:34	208-96-8	
Anthracene	<0.018	ug/L	0.048	0.018	1	04/08/24 12:20	04/09/24 17:34	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 17:34	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-5-24Q1 Lab ID: 40276453004 Collected: 04/03/24 07:56 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 17:34	50-32-8	
Benzo(b)fluoranthene	<0.0088	ug/L	0.048	0.0088	1	04/08/24 12:20	04/09/24 17:34	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 17:34	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 17:34	207-08-9	
Chrysene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 17:34	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	04/08/24 12:20	04/09/24 17:34	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 17:34	206-44-0	
Fluorene	0.068	ug/L	0.048	0.023	1	04/08/24 12:20	04/09/24 17:34	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	04/08/24 12:20	04/09/24 17:34	193-39-5	
Naphthalene	0.68	ug/L	0.048	0.019	1	04/08/24 12:20	04/09/24 17:34	91-20-3	
Phenanthrene	0.059	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 17:34	85-01-8	
Pyrene	0.023J	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 17:34	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	53	%	38-120		1	04/08/24 12:20	04/09/24 17:34	321-60-8	
Terphenyl-d14 (S)	59	%	47-121		1	04/08/24 12:20	04/09/24 17:34	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/12/24 09:19	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/12/24 09:19	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/12/24 09:19	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/12/24 09:19	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/12/24 09:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/12/24 09:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/12/24 09:19	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/12/24 09:19	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	211	mg/L	10.0	5.0	1		04/16/24 11:04		
Alkalinity,Bicarbonate (CaCO3)	211	mg/L	10.0	5.0	1		04/16/24 11:04		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 11:04		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:21		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	82.9	mg/L	10.0	2.2	5		04/17/24 16:07	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:00		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-5-24Q1** Lab ID: **40276453004** Collected: 04/03/24 07:56 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	5.6	mg/L	1.0	0.38	2		04/09/24 07:59	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-3B-24Q1 Lab ID: 40276453005 Collected: 04/03/24 09:08 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	<0.11	mg/L	0.36	0.11	4	04/09/24 08:02	04/11/24 09:17		
TPH - Diesel (C10-C28)	3.2	mg/L	0.36	0.11	4	04/09/24 08:02	04/11/24 09:17		
Surrogates									
o-Terphenyl (S)	0	%	44-134		4	04/09/24 08:02	04/11/24 09:17	84-15-1	S4
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	312	ug/L	5.6	1.2	2		04/16/24 13:59	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	3970	ug/L	50.0	30.5	1		04/08/24 14:59		GO
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:03	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:03	7440-38-2	
Barium, Dissolved	144	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:03	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:03	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:03	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:03	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:03	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:03	7440-50-8	
Iron, Dissolved	662	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:03	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:03	7439-92-1	
Manganese, Dissolved	234	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:03	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:03	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:03	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:03	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:03	7440-28-0	
Total Hardness by 2340B, Dissolved	436000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:03		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:03	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:03	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:58	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	21.4	ug/L	2.4	0.67	50	04/08/24 12:20	04/09/24 21:31	83-32-9	
Acenaphthylene	6.1	ug/L	2.4	0.61	50	04/08/24 12:20	04/09/24 21:31	208-96-8	
Anthracene	3.9	ug/L	2.4	0.89	50	04/08/24 12:20	04/09/24 21:31	120-12-7	
Benzo(a)anthracene	<0.65	ug/L	2.4	0.65	50	04/08/24 12:20	04/09/24 21:31	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-3B-24Q1 **Lab ID:** 40276453005 Collected: 04/03/24 09:08 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.61	ug/L	2.4	0.61	50	04/08/24 12:20	04/09/24 21:31	50-32-8	
Benzo(b)fluoranthene	<0.44	ug/L	2.4	0.44	50	04/08/24 12:20	04/09/24 21:31	205-99-2	
Benzo(g,h,i)perylene	<1.1	ug/L	2.4	1.1	50	04/08/24 12:20	04/09/24 21:31	191-24-2	
Benzo(k)fluoranthene	<1.1	ug/L	2.4	1.1	50	04/08/24 12:20	04/09/24 21:31	207-08-9	
Chrysene	<0.61	ug/L	2.4	0.61	50	04/08/24 12:20	04/09/24 21:31	218-01-9	
Dibenz(a,h)anthracene	<0.86	ug/L	2.4	0.86	50	04/08/24 12:20	04/09/24 21:31	53-70-3	
Fluoranthene	2.9	ug/L	2.4	1.3	50	04/08/24 12:20	04/09/24 21:31	206-44-0	
Fluorene	7.6	ug/L	2.4	1.1	50	04/08/24 12:20	04/09/24 21:31	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.75	ug/L	2.4	0.75	50	04/08/24 12:20	04/09/24 21:31	193-39-5	
Naphthalene	475	ug/L	2.4	0.96	50	04/08/24 12:20	04/09/24 21:31	91-20-3	
Phenanthrene	19.9	ug/L	2.4	1.2	50	04/08/24 12:20	04/09/24 21:31	85-01-8	
Pyrene	2.9	ug/L	2.4	1.1	50	04/08/24 12:20	04/09/24 21:31	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	38-120		50	04/08/24 12:20	04/09/24 21:31	321-60-8	
Terphenyl-d14 (S)	48	%	47-121		50	04/08/24 12:20	04/09/24 21:31	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	796	ug/L	5.0	1.5	5		04/10/24 22:41	71-43-2	
Ethylbenzene	350	ug/L	5.0	1.6	5		04/10/24 22:41	100-41-4	
Styrene	<1.8	ug/L	5.0	1.8	5		04/10/24 22:41	100-42-5	
Toluene	187	ug/L	5.0	1.4	5		04/10/24 22:41	108-88-3	
Xylene (Total)	374	ug/L	15.0	5.2	5		04/10/24 22:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		5		04/10/24 22:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		5		04/10/24 22:41	2199-69-1	
Toluene-d8 (S)	102	%	70-130		5		04/10/24 22:41	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	449	mg/L	10.0	5.0	1		04/16/24 11:12		M0
Alkalinity,Bicarbonate (CaCO3)	449	mg/L	10.0	5.0	1		04/16/24 11:12		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 11:12		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	1.2J	mg/L	4.0	1.2	1		04/08/24 16:22		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	31.2	mg/L	10.0	2.2	5		04/17/24 16:21	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:03		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-3B-24Q1** Lab ID: **40276453005** Collected: 04/03/24 09:08 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	10.3	mg/L	1.5	0.57	3		04/09/24 08:16	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-9-24Q1 Lab ID: 40276453006 Collected: 04/05/24 13:42 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	1.4J	mg/L	1.8	0.55	20	04/10/24 07:35	04/16/24 08:10		
TPH - Diesel (C10-C28)	12.5	mg/L	1.8	0.55	20	04/10/24 07:35	04/16/24 08:10		
Surrogates									
o-Terphenyl (S)	0	%	44-134		20	04/10/24 07:35	04/16/24 08:10	84-15-1	S4
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	4360	ug/L	140	28.8	50		04/16/24 14:06	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	13000	ug/L	1000	609	20		04/08/24 18:26		GO
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:05	7440-36-0	
Arsenic, Dissolved	13.3J	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:05	7440-38-2	
Barium, Dissolved	32.9	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:05	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:05	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:05	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:05	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:05	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:05	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:05	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:05	7439-92-1	
Manganese, Dissolved	90.3	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:05	7439-96-5	
Nickel, Dissolved	5.9J	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:05	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:05	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:05	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:05	7440-28-0	
Total Hardness by 2340B, Dissolved	205000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:05		
Vanadium, Dissolved	121	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:05	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:05	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	0.25	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:00	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	77.9	ug/L	3.9	1.1	80	04/09/24 08:49	04/11/24 01:38	83-32-9	
Acenaphthylene	2.6J	ug/L	3.9	0.98	80	04/09/24 08:49	04/11/24 01:38	208-96-8	
Anthracene	6.6	ug/L	3.9	1.4	80	04/09/24 08:49	04/11/24 01:38	120-12-7	
Benzo(a)anthracene	1.7J	ug/L	3.9	1.1	80	04/09/24 08:49	04/11/24 01:38	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-9-24Q1 **Lab ID: 40276453006** Collected: 04/05/24 13:42 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.98	ug/L	3.9	0.98	80	04/09/24 08:49	04/11/24 01:38	50-32-8	
Benzo(b)fluoranthene	<0.71	ug/L	3.9	0.71	80	04/09/24 08:49	04/11/24 01:38	205-99-2	
Benzo(g,h,i)perylene	<1.8	ug/L	3.9	1.8	80	04/09/24 08:49	04/11/24 01:38	191-24-2	
Benzo(k)fluoranthene	<1.7	ug/L	3.9	1.7	80	04/09/24 08:49	04/11/24 01:38	207-08-9	
Chrysene	1.3J	ug/L	3.9	0.98	80	04/09/24 08:49	04/11/24 01:38	218-01-9	
Dibenz(a,h)anthracene	<1.4	ug/L	3.9	1.4	80	04/09/24 08:49	04/11/24 01:38	53-70-3	
Fluoranthene	5.7	ug/L	3.9	2.0	80	04/09/24 08:49	04/11/24 01:38	206-44-0	
Fluorene	17.5	ug/L	3.9	1.8	80	04/09/24 08:49	04/11/24 01:38	86-73-7	
Indeno(1,2,3-cd)pyrene	<1.2	ug/L	3.9	1.2	80	04/09/24 08:49	04/11/24 01:38	193-39-5	
Naphthalene	661	ug/L	3.9	1.5	80	04/09/24 08:49	04/11/24 01:38	91-20-3	
Phenanthrene	35.2	ug/L	3.9	2.0	80	04/09/24 08:49	04/11/24 01:38	85-01-8	
Pyrene	6.6	ug/L	3.9	1.8	80	04/09/24 08:49	04/11/24 01:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	43	%	38-120		80	04/09/24 08:49	04/11/24 01:38	321-60-8	
Terphenyl-d14 (S)	31	%	47-121		80	04/09/24 08:49	04/11/24 01:38	1718-51-0	S4
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	5190	ug/L	40.0	11.8	40		04/10/24 22:10	71-43-2	
Ethylbenzene	735	ug/L	40.0	13.0	40		04/10/24 22:10	100-41-4	
Styrene	<14.3	ug/L	40.0	14.3	40		04/10/24 22:10	100-42-5	
Toluene	1670	ug/L	40.0	11.5	40		04/10/24 22:10	108-88-3	
Xylene (Total)	1670	ug/L	120	41.9	40		04/10/24 22:10	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		40		04/10/24 22:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		40		04/10/24 22:10	2199-69-1	
Toluene-d8 (S)	102	%	70-130		40		04/10/24 22:10	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	257	mg/L	10.0	5.0	1		04/16/24 11:23		
Alkalinity,Bicarbonate (CaCO3)	94.6	mg/L	10.0	5.0	1		04/16/24 11:23		
Alkalinity,Carbonate (CaCO3)	163	mg/L	10.0	5.0	1		04/16/24 11:23		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	22.8	mg/L	4.0	1.2	1		04/08/24 19:32		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<44.4	mg/L	200	44.4	100		04/17/24 21:54	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:04		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-9-24Q1** Lab ID: **40276453006** Collected: 04/05/24 13:42 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	137	mg/L	15.0	5.7	30		04/09/24 08:32	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-10-24Q1 Lab ID: 40276453007 Collected: 04/04/24 13:50 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.042J	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 07:00		
TPH - Diesel (C10-C28)	0.22	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 07:00		B
Surrogates									
o-Terphenyl (S)	62	%	44-134		1	04/09/24 08:02	04/11/24 07:00	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	736	ug/L	14.0	2.9	5		04/16/24 14:13	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	107	ug/L	50.0	30.5	1		04/09/24 12:31		GO
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:06	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:06	7440-38-2	
Barium, Dissolved	96.8	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:06	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:06	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:06	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:06	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:06	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:06	7440-50-8	
Iron, Dissolved	41900	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:06	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:06	7439-92-1	
Manganese, Dissolved	711	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:06	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:06	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:06	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:06	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:06	7440-28-0	
Total Hardness by 2340B, Dissolved	313000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:06		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:06	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:06	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:02	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	4.2	ug/L	0.051	0.014	1	04/08/24 12:20	04/09/24 17:52	83-32-9	
Acenaphthylene	0.20	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 17:52	208-96-8	
Anthracene	0.36	ug/L	0.051	0.019	1	04/08/24 12:20	04/09/24 17:52	120-12-7	
Benzo(a)anthracene	0.17	ug/L	0.051	0.014	1	04/08/24 12:20	04/09/24 17:52	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-10-24Q1 Lab ID: 40276453007 Collected: 04/04/24 13:50 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.21	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 17:52	50-32-8	
Benzo(b)fluoranthene	0.16	ug/L	0.051	0.0093	1	04/08/24 12:20	04/09/24 17:52	205-99-2	
Benzo(g,h,i)perylene	0.16	ug/L	0.051	0.024	1	04/08/24 12:20	04/09/24 17:52	191-24-2	
Benzo(k)fluoranthene	0.060	ug/L	0.051	0.023	1	04/08/24 12:20	04/09/24 17:52	207-08-9	
Chrysene	0.19	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 17:52	218-01-9	
Dibenz(a,h)anthracene	0.027J	ug/L	0.051	0.018	1	04/08/24 12:20	04/09/24 17:52	53-70-3	
Fluoranthene	0.46	ug/L	0.051	0.027	1	04/08/24 12:20	04/09/24 17:52	206-44-0	
Fluorene	0.95	ug/L	0.051	0.024	1	04/08/24 12:20	04/09/24 17:52	86-73-7	
Indeno(1,2,3-cd)pyrene	0.11	ug/L	0.051	0.016	1	04/08/24 12:20	04/09/24 17:52	193-39-5	
Naphthalene	0.82	ug/L	0.051	0.020	1	04/08/24 12:20	04/09/24 17:52	91-20-3	
Phenanthrene	0.43	ug/L	0.051	0.026	1	04/08/24 12:20	04/09/24 17:52	85-01-8	
Pyrene	0.71	ug/L	0.051	0.023	1	04/08/24 12:20	04/09/24 17:52	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	56	%	38-120		1	04/08/24 12:20	04/09/24 17:52	321-60-8	
Terphenyl-d14 (S)	56	%	47-121		1	04/08/24 12:20	04/09/24 17:52	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	82.7	ug/L	1.0	0.30	1		04/10/24 18:43	71-43-2	
Ethylbenzene	0.41J	ug/L	1.0	0.33	1		04/10/24 18:43	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 18:43	100-42-5	
Toluene	3.9	ug/L	1.0	0.29	1		04/10/24 18:43	108-88-3	
Xylene (Total)	1.6J	ug/L	3.0	1.0	1		04/10/24 18:43	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/10/24 18:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 18:43	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 18:43	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	116	mg/L	10.0	5.0	1		04/16/24 11:50		
Alkalinity,Bicarbonate (CaCO3)	116	mg/L	10.0	5.0	1		04/16/24 11:50		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 11:50		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:34		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	216	mg/L	10.0	2.2	5		04/17/24 16:52	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.062J	mg/L	0.25	0.059	1		04/10/24 08:04		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-10-24Q1** Lab ID: **40276453007** Collected: 04/04/24 13:50 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	7.0	mg/L	0.50	0.19	1		04/09/24 09:07	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-11-24Q1 Lab ID: 40276453008 Collected: 04/04/24 18:04 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.043J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 07:08		
TPH - Diesel (C10-C28)	0.11	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 07:08		B
Surrogates									
o-Terphenyl (S)	66	%	44-134		1	04/09/24 08:02	04/11/24 07:08	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	715	ug/L	14.0	2.9	5		04/16/24 14:20	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 15:51		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:08	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:08	7440-38-2	
Barium, Dissolved	77.0	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:08	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:08	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:08	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:08	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:08	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:08	7440-50-8	
Iron, Dissolved	7040	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:08	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:08	7439-92-1	
Manganese, Dissolved	232	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:08	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:08	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:08	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:08	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:08	7440-28-0	
Total Hardness by 2340B, Dissolved	168000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:08		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:08	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:08	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:04	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	1.2	ug/L	0.049	0.014	1	04/08/24 12:20	04/09/24 18:10	83-32-9	
Acenaphthylene	0.055	ug/L	0.049	0.012	1	04/08/24 12:20	04/09/24 18:10	208-96-8	
Anthracene	0.11	ug/L	0.049	0.018	1	04/08/24 12:20	04/09/24 18:10	120-12-7	
Benzo(a)anthracene	0.088	ug/L	0.049	0.013	1	04/08/24 12:20	04/09/24 18:10	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-11-24Q1 Lab ID: 40276453008 Collected: 04/04/24 18:04 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.081	ug/L	0.049	0.012	1	04/08/24 12:20	04/09/24 18:10	50-32-8	
Benzo(b)fluoranthene	0.096	ug/L	0.049	0.0090	1	04/08/24 12:20	04/09/24 18:10	205-99-2	
Benzo(g,h,i)perylene	0.075	ug/L	0.049	0.023	1	04/08/24 12:20	04/09/24 18:10	191-24-2	
Benzo(k)fluoranthene	0.034J	ug/L	0.049	0.022	1	04/08/24 12:20	04/09/24 18:10	207-08-9	
Chrysene	0.092	ug/L	0.049	0.012	1	04/08/24 12:20	04/09/24 18:10	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.049	0.018	1	04/08/24 12:20	04/09/24 18:10	53-70-3	
Fluoranthene	0.21	ug/L	0.049	0.026	1	04/08/24 12:20	04/09/24 18:10	206-44-0	
Fluorene	0.37	ug/L	0.049	0.023	1	04/08/24 12:20	04/09/24 18:10	86-73-7	
Indeno(1,2,3-cd)pyrene	0.055	ug/L	0.049	0.015	1	04/08/24 12:20	04/09/24 18:10	193-39-5	
Naphthalene	0.15	ug/L	0.049	0.020	1	04/08/24 12:20	04/09/24 18:10	91-20-3	
Phenanthrene	0.38	ug/L	0.049	0.025	1	04/08/24 12:20	04/09/24 18:10	85-01-8	
Pyrene	0.22	ug/L	0.049	0.022	1	04/08/24 12:20	04/09/24 18:10	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	38-120		1	04/08/24 12:20	04/09/24 18:10	321-60-8	
Terphenyl-d14 (S)	62	%	47-121		1	04/08/24 12:20	04/09/24 18:10	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 18:59	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 18:59	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 18:59	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 18:59	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 18:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 18:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/10/24 18:59	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 18:59	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	118	mg/L	10.0	5.0	1		04/16/24 11:57		
Alkalinity,Bicarbonate (CaCO3)	118	mg/L	10.0	5.0	1		04/16/24 11:57		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 11:57		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:36		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	43.5	mg/L	10.0	2.2	5		04/17/24 17:06	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:05		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-11-24Q1** Lab ID: **40276453008** Collected: 04/04/24 18:04 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	3.6	mg/L	0.50	0.19	1		04/09/24 09:23	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-TB-1** Lab ID: **40276453009** Collected: 04/05/24 12:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 10:40		
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 17:40	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 17:40	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 17:40	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 17:40	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 17:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 17:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 17:40	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/10/24 17:40	2037-26-5	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-1 Lab ID: 40276453010 Collected: 04/03/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	<0.14	mg/L	0.45	0.14	5	04/09/24 08:02	04/11/24 09:25		
TPH - Diesel (C10-C28)	4.2	mg/L	0.45	0.14	5	04/09/24 08:02	04/11/24 09:25		
Surrogates									
o-Terphenyl (S)	0	%	44-134		5	04/09/24 08:02	04/11/24 09:25	84-15-1	S4
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	574	ug/L	11.2	2.3	4		04/16/24 14:27	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	3600	ug/L	125	76.2	2.5		04/09/24 12:57		GO
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:10	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:10	7440-38-2	
Barium, Dissolved	151	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:10	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:10	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:10	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:10	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:10	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:10	7440-50-8	
Iron, Dissolved	678	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:10	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:10	7439-92-1	
Manganese, Dissolved	242	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:10	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:10	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:10	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:10	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:10	7440-28-0	
Total Hardness by 2340B, Dissolved	453000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:10		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:10	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:10	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:07	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	23.6	ug/L	3.6	0.99	80	04/08/24 12:20	04/09/24 21:49	83-32-9	
Acenaphthylene	6.6	ug/L	3.6	0.90	80	04/08/24 12:20	04/09/24 21:49	208-96-8	
Anthracene	4.2	ug/L	3.6	1.3	80	04/08/24 12:20	04/09/24 21:49	120-12-7	
Benzo(a)anthracene	<0.97	ug/L	3.6	0.97	80	04/08/24 12:20	04/09/24 21:49	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-1 Lab ID: 40276453010 Collected: 04/03/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.91	ug/L	3.6	0.91	80	04/08/24 12:20	04/09/24 21:49	50-32-8	
Benzo(b)fluoranthene	<0.65	ug/L	3.6	0.65	80	04/08/24 12:20	04/09/24 21:49	205-99-2	
Benzo(g,h,i)perylene	<1.7	ug/L	3.6	1.7	80	04/08/24 12:20	04/09/24 21:49	191-24-2	
Benzo(k)fluoranthene	<1.6	ug/L	3.6	1.6	80	04/08/24 12:20	04/09/24 21:49	207-08-9	
Chrysene	<0.90	ug/L	3.6	0.90	80	04/08/24 12:20	04/09/24 21:49	218-01-9	
Dibenz(a,h)anthracene	<1.3	ug/L	3.6	1.3	80	04/08/24 12:20	04/09/24 21:49	53-70-3	
Fluoranthene	3.2J	ug/L	3.6	1.9	80	04/08/24 12:20	04/09/24 21:49	206-44-0	
Fluorene	8.4	ug/L	3.6	1.7	80	04/08/24 12:20	04/09/24 21:49	86-73-7	
Indeno(1,2,3-cd)pyrene	<1.1	ug/L	3.6	1.1	80	04/08/24 12:20	04/09/24 21:49	193-39-5	
Naphthalene	527	ug/L	3.6	1.4	80	04/08/24 12:20	04/09/24 21:49	91-20-3	
Phenanthrene	22.5	ug/L	3.6	1.8	80	04/08/24 12:20	04/09/24 21:49	85-01-8	
Pyrene	3.0J	ug/L	3.6	1.6	80	04/08/24 12:20	04/09/24 21:49	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	38-120		80	04/08/24 12:20	04/09/24 21:49	321-60-8	
Terphenyl-d14 (S)	51	%	47-121		80	04/08/24 12:20	04/09/24 21:49	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	883	ug/L	10.0	3.0	10		04/10/24 22:25	71-43-2	
Ethylbenzene	381	ug/L	10.0	3.3	10		04/10/24 22:25	100-41-4	
Styrene	<3.6	ug/L	10.0	3.6	10		04/10/24 22:25	100-42-5	
Toluene	208	ug/L	10.0	2.9	10		04/10/24 22:25	108-88-3	
Xylene (Total)	409	ug/L	30.0	10.5	10		04/10/24 22:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		10		04/10/24 22:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		10		04/10/24 22:25	2199-69-1	
Toluene-d8 (S)	102	%	70-130		10		04/10/24 22:25	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	441	mg/L	10.0	5.0	1		04/16/24 12:04		
Alkalinity,Bicarbonate (CaCO3)	441	mg/L	10.0	5.0	1		04/16/24 12:04		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 12:04		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	1.2J	mg/L	4.0	1.2	1		04/08/24 16:24		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	31.3	mg/L	10.0	2.2	5		04/17/24 18:04	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:09		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-1 Lab ID: 40276453010 Collected: 04/03/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	10.8	mg/L	1.5	0.57	3		04/09/24 09:39	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-12-24Q1 Lab ID: 40276453011 Collected: 04/03/24 17:27 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.037J	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 07:24		
TPH - Diesel (C10-C28)	0.26	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 07:24		B
Surrogates									
o-Terphenyl (S)	62	%	44-134		1	04/09/24 08:02	04/11/24 07:24	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	9020	ug/L	280	57.6	100		04/16/24 14:34	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 18:00		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:16	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:16	7440-38-2	
Barium, Dissolved	233	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:16	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:16	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:16	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:16	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:16	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:16	7440-50-8	
Iron, Dissolved	27100	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:16	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:16	7439-92-1	
Manganese, Dissolved	1980	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:16	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:16	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:16	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:16	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:16	7440-28-0	
Total Hardness by 2340B, Dissolved	542000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:16		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:16	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:16	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:09	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	20.7	ug/L	0.10	0.028	2	04/08/24 12:20	04/09/24 22:07	83-32-9	
Acenaphthylene	0.20	ug/L	0.10	0.025	2	04/08/24 12:20	04/09/24 22:07	208-96-8	
Anthracene	0.40	ug/L	0.10	0.037	2	04/08/24 12:20	04/09/24 22:07	120-12-7	
Benzo(a)anthracene	0.064J	ug/L	0.10	0.027	2	04/08/24 12:20	04/09/24 22:07	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-12-24Q1 Lab ID: 40276453011 Collected: 04/03/24 17:27 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.026J	ug/L	0.10	0.025	2	04/08/24 12:20	04/09/24 22:07	50-32-8	
Benzo(b)fluoranthene	0.029J	ug/L	0.10	0.018	2	04/08/24 12:20	04/09/24 22:07	205-99-2	
Benzo(g,h,i)perylene	<0.046	ug/L	0.10	0.046	2	04/08/24 12:20	04/09/24 22:07	191-24-2	
Benzo(k)fluoranthene	<0.044	ug/L	0.10	0.044	2	04/08/24 12:20	04/09/24 22:07	207-08-9	
Chrysene	0.065J	ug/L	0.10	0.025	2	04/08/24 12:20	04/09/24 22:07	218-01-9	
Dibenz(a,h)anthracene	<0.035	ug/L	0.10	0.035	2	04/08/24 12:20	04/09/24 22:07	53-70-3	
Fluoranthene	0.85	ug/L	0.10	0.052	2	04/08/24 12:20	04/09/24 22:07	206-44-0	
Fluorene	5.5	ug/L	0.10	0.047	2	04/08/24 12:20	04/09/24 22:07	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.031	ug/L	0.10	0.031	2	04/08/24 12:20	04/09/24 22:07	193-39-5	
Naphthalene	0.29	ug/L	0.10	0.040	2	04/08/24 12:20	04/09/24 22:07	91-20-3	
Phenanthrene	2.3	ug/L	0.10	0.051	2	04/08/24 12:20	04/09/24 22:07	85-01-8	
Pyrene	0.78	ug/L	0.10	0.045	2	04/08/24 12:20	04/09/24 22:07	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	52	%	38-120		2	04/08/24 12:20	04/09/24 22:07	321-60-8	
Terphenyl-d14 (S)	57	%	47-121		2	04/08/24 12:20	04/09/24 22:07	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.39J	ug/L	1.0	0.30	1		04/10/24 19:15	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 19:15	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 19:15	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 19:15	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 19:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/10/24 19:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/10/24 19:15	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/10/24 19:15	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	240	mg/L	10.0	5.0	1		04/16/24 12:15		
Alkalinity,Bicarbonate (CaCO3)	240	mg/L	10.0	5.0	1		04/16/24 12:15		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 12:15		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:26		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	233	mg/L	10.0	2.2	5		04/17/24 18:18	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:10		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-12-24Q1** Lab ID: **40276453011** Collected: 04/03/24 17:27 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	5.6	mg/L	0.50	0.19	1		04/09/24 09:57	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-13-24Q1 Lab ID: 40276453012 Collected: 04/04/24 09:12 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.056J	mg/L	0.10	0.030	1	04/09/24 08:02	04/11/24 07:32		
TPH - Diesel (C10-C28)	0.17	mg/L	0.10	0.030	1	04/09/24 08:02	04/11/24 07:32		B
Surrogates									
o-Terphenyl (S)	72	%	44-134		1	04/09/24 08:02	04/11/24 07:32	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		04/16/24 13:45	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 16:16		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:17	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:17	7440-38-2	
Barium, Dissolved	105	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:17	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:17	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:17	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:17	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:17	7440-48-4	
Copper, Dissolved	10.0	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:17	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:17	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:17	7439-92-1	
Manganese, Dissolved	111	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:17	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:17	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:17	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:17	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:17	7440-28-0	
Total Hardness by 2340B, Dissolved	1400000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:17		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:17	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:17	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:16	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	2.1	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 18:28	83-32-9	
Acenaphthylene	0.20	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 18:28	208-96-8	
Anthracene	0.81	ug/L	0.050	0.019	1	04/08/24 12:20	04/09/24 18:28	120-12-7	
Benzo(a)anthracene	0.56	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 18:28	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-13-24Q1 **Lab ID:** 40276453012 Collected: 04/04/24 09:12 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.46	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 18:28	50-32-8	
Benzo(b)fluoranthene	0.40	ug/L	0.050	0.0092	1	04/08/24 12:20	04/09/24 18:28	205-99-2	
Benzo(g,h,i)perylene	0.25	ug/L	0.050	0.024	1	04/08/24 12:20	04/09/24 18:28	191-24-2	
Benzo(k)fluoranthene	0.15	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 18:28	207-08-9	
Chrysene	0.50	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 18:28	218-01-9	
Dibenz(a,h)anthracene	0.049J	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 18:28	53-70-3	
Fluoranthene	1.2	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 18:28	206-44-0	
Fluorene	0.87	ug/L	0.050	0.024	1	04/08/24 12:20	04/09/24 18:28	86-73-7	
Indeno(1,2,3-cd)pyrene	0.19	ug/L	0.050	0.016	1	04/08/24 12:20	04/09/24 18:28	193-39-5	
Naphthalene	2.3	ug/L	0.050	0.020	1	04/08/24 12:20	04/09/24 18:28	91-20-3	
Phenanthrene	3.2	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 18:28	85-01-8	
Pyrene	1.5	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 18:28	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	53	%	38-120		1	04/08/24 12:20	04/09/24 18:28	321-60-8	
Terphenyl-d14 (S)	57	%	47-121		1	04/08/24 12:20	04/09/24 18:28	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.44J	ug/L	1.0	0.30	1		04/10/24 19:31	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 19:31	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 19:31	100-42-5	
Toluene	0.30J	ug/L	1.0	0.29	1		04/10/24 19:31	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 19:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/10/24 19:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 19:31	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 19:31	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	853	mg/L	10.0	5.0	1		04/16/24 12:23		
Alkalinity,Bicarbonate (CaCO3)	853	mg/L	10.0	5.0	1		04/16/24 12:23		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 12:23		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:37		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	478	mg/L	40.0	8.9	20		04/18/24 13:40	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:13		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-13-24Q1 Lab ID: 40276453012 Collected: 04/04/24 09:12 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	7.8	mg/L	1.0	0.38	2		04/09/24 10:15	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-14-24Q1 Lab ID: 40276453013 Collected: 04/05/24 08:51 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.065J	mg/L	0.090	0.027	1	04/10/24 07:35	04/16/24 06:48		
TPH - Diesel (C10-C28)	0.12	mg/L	0.090	0.027	1	04/10/24 07:35	04/16/24 06:48		B
Surrogates									
o-Terphenyl (S)	83	%	44-134		1	04/10/24 07:35	04/16/24 06:48	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	5.6	ug/L	2.8	0.58	1		04/16/24 10:48	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 16:42		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:19	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:19	7440-38-2	
Barium, Dissolved	46.6	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:19	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:19	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:19	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:19	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:19	7440-48-4	
Copper, Dissolved	5.0J	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:19	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:19	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:19	7439-92-1	
Manganese, Dissolved	237	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:19	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:19	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:19	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:19	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:19	7440-28-0	
Total Hardness by 2340B, Dissolved	1760000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:19		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:19	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:19	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:18	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.031J	ug/L	0.050	0.014	1	04/09/24 08:49	04/11/24 00:06	83-32-9	
Acenaphthylene	0.027J	ug/L	0.050	0.013	1	04/09/24 08:49	04/11/24 00:06	208-96-8	
Anthracene	0.033J	ug/L	0.050	0.018	1	04/09/24 08:49	04/11/24 00:06	120-12-7	
Benzo(a)anthracene	0.049J	ug/L	0.050	0.014	1	04/09/24 08:49	04/11/24 00:06	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-14-24Q1 Lab ID: 40276453013 Collected: 04/05/24 08:51 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.047J	ug/L	0.050	0.013	1	04/09/24 08:49	04/11/24 00:06	50-32-8	
Benzo(b)fluoranthene	0.048J	ug/L	0.050	0.0090	1	04/09/24 08:49	04/11/24 00:06	205-99-2	
Benzo(g,h,i)perylene	0.033J	ug/L	0.050	0.023	1	04/09/24 08:49	04/11/24 00:06	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.050	0.022	1	04/09/24 08:49	04/11/24 00:06	207-08-9	
Chrysene	0.054	ug/L	0.050	0.013	1	04/09/24 08:49	04/11/24 00:06	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	04/09/24 08:49	04/11/24 00:06	53-70-3	
Fluoranthene	0.097	ug/L	0.050	0.026	1	04/09/24 08:49	04/11/24 00:06	206-44-0	
Fluorene	0.028J	ug/L	0.050	0.023	1	04/09/24 08:49	04/11/24 00:06	86-73-7	
Indeno(1,2,3-cd)pyrene	0.028J	ug/L	0.050	0.015	1	04/09/24 08:49	04/11/24 00:06	193-39-5	
Naphthalene	<0.020	ug/L	0.050	0.020	1	04/09/24 08:49	04/11/24 00:06	91-20-3	
Phenanthrene	0.18	ug/L	0.050	0.025	1	04/09/24 08:49	04/11/24 00:06	85-01-8	
Pyrene	0.12	ug/L	0.050	0.022	1	04/09/24 08:49	04/11/24 00:06	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	38-120		1	04/09/24 08:49	04/11/24 00:06	321-60-8	
Terphenyl-d14 (S)	48	%	47-121		1	04/09/24 08:49	04/11/24 00:06	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 19:47	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 19:47	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 19:47	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 19:47	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 19:47	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/10/24 19:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/10/24 19:47	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 19:47	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	674	mg/L	10.0	5.0	1		04/16/24 12:40		
Alkalinity,Bicarbonate (CaCO3)	674	mg/L	10.0	5.0	1		04/16/24 12:40		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 12:40		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:50		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	1760	mg/L	100	22.2	50		04/18/24 13:54	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:14		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-14-24Q1 Lab ID: 40276453013 Collected: 04/05/24 08:51 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	5.5	mg/L	0.50	0.19	1		04/09/24 10:34	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-15-24Q1 Lab ID: 40276453014 Collected: 04/04/24 16:03 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel	Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
TPH (C28-C36)	0.037J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 07:40		
TPH - Diesel (C10-C28)	0.32	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 07:40		
Surrogates									
o-Terphenyl (S)	99	%	44-134		1	04/09/24 08:02	04/11/24 07:40	84-15-1	
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Methane	180	ug/L	2.8	0.58	1		04/16/24 10:55	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO Pace Analytical Services - Green Bay								
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 17:08		
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:21	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:21	7440-38-2	
Barium, Dissolved	38.4	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:21	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:21	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:21	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:21	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:21	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:21	7440-50-8	
Iron, Dissolved	2540	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:21	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:21	7439-92-1	
Manganese, Dissolved	316	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:21	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:21	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:21	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:21	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:21	7440-28-0	
Total Hardness by 2340B, Dissolved	226000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:21		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:21	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:21	7440-66-6	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:21	7439-97-6	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	14.4	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 22:43	83-32-9	
Acenaphthylene	0.26	ug/L	0.050	0.012	1	04/08/24 12:20	04/09/24 22:43	208-96-8	
Anthracene	0.72	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 22:43	120-12-7	
Benzo(a)anthracene	0.40	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 22:43	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-15-24Q1 **Lab ID:** 40276453014 Collected: 04/04/24 16:03 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.17	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 22:43	50-32-8	
Benzo(b)fluoranthene	0.14	ug/L	0.050	0.0090	1	04/08/24 12:20	04/09/24 22:43	205-99-2	
Benzo(g,h,i)perylene	0.076	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 22:43	191-24-2	
Benzo(k)fluoranthene	0.057	ug/L	0.050	0.022	1	04/08/24 12:20	04/09/24 22:43	207-08-9	
Chrysene	0.39	ug/L	0.050	0.012	1	04/08/24 12:20	04/09/24 22:43	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 22:43	53-70-3	
Fluoranthene	4.9	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 22:43	206-44-0	
Fluorene	7.2	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 22:43	86-73-7	
Indeno(1,2,3-cd)pyrene	0.063	ug/L	0.050	0.015	1	04/08/24 12:20	04/09/24 22:43	193-39-5	
Naphthalene	0.27	ug/L	0.050	0.020	1	04/08/24 12:20	04/09/24 22:43	91-20-3	
Phenanthrene	5.7	ug/L	0.050	0.025	1	04/08/24 12:20	04/09/24 22:43	85-01-8	
Pyrene	4.9	ug/L	0.050	0.022	1	04/08/24 12:20	04/09/24 22:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	38-120		1	04/08/24 12:20	04/09/24 22:43	321-60-8	
Terphenyl-d14 (S)	59	%	47-121		1	04/08/24 12:20	04/09/24 22:43	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 20:03	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 20:03	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 20:03	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 20:03	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 20:03	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/10/24 20:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 20:03	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/10/24 20:03	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	153	mg/L	10.0	5.0	1		04/16/24 12:54		
Alkalinity,Bicarbonate (CaCO3)	153	mg/L	10.0	5.0	1		04/16/24 12:54		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 12:54		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:51		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	21.2	mg/L	10.0	2.2	5		04/17/24 19:01	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.80	mg/L	0.25	0.059	1		04/10/24 08:14		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-15-24Q1 Lab ID: 40276453014 Collected: 04/04/24 16:03 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	7.7	mg/L	0.50	0.19	1		04/09/24 10:53	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-16-24Q1 Lab ID: 40276453015 Collected: 04/04/24 17:06 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.032J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 07:48		
TPH - Diesel (C10-C28)	0.058J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 07:48		B
Surrogates									
o-Terphenyl (S)	82	%	44-134		1	04/09/24 08:02	04/11/24 07:48	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	69.0	ug/L	2.8	0.58	1		04/16/24 11:03	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 11:40		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:23	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:23	7440-38-2	
Barium, Dissolved	414	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:23	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:23	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:23	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:23	7440-47-3	
Cobalt, Dissolved	3.2J	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:23	7440-48-4	
Copper, Dissolved	4.1J	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:23	7440-50-8	
Iron, Dissolved	20600	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:23	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:23	7439-92-1	
Manganese, Dissolved	1610	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:23	7439-96-5	
Nickel, Dissolved	5.1J	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:23	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:23	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:23	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:23	7440-28-0	
Total Hardness by 2340B, Dissolved	1380000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:23		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:23	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:23	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:30	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.035J	ug/L	0.051	0.014	1	04/08/24 12:20	04/09/24 18:46	83-32-9	
Acenaphthylene	<0.013	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 18:46	208-96-8	
Anthracene	0.021J	ug/L	0.051	0.019	1	04/08/24 12:20	04/09/24 18:46	120-12-7	
Benzo(a)anthracene	0.016J	ug/L	0.051	0.014	1	04/08/24 12:20	04/09/24 18:46	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-16-24Q1 **Lab ID:** 40276453015 Collected: 04/04/24 17:06 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 18:46	50-32-8	
Benzo(b)fluoranthene	<0.0093	ug/L	0.051	0.0093	1	04/08/24 12:20	04/09/24 18:46	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.051	0.024	1	04/08/24 12:20	04/09/24 18:46	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.051	0.023	1	04/08/24 12:20	04/09/24 18:46	207-08-9	
Chrysene	0.013J	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 18:46	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.051	0.018	1	04/08/24 12:20	04/09/24 18:46	53-70-3	
Fluoranthene	0.038J	ug/L	0.051	0.027	1	04/08/24 12:20	04/09/24 18:46	206-44-0	
Fluorene	<0.024	ug/L	0.051	0.024	1	04/08/24 12:20	04/09/24 18:46	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.051	0.016	1	04/08/24 12:20	04/09/24 18:46	193-39-5	
Naphthalene	0.067	ug/L	0.051	0.020	1	04/08/24 12:20	04/09/24 18:46	91-20-3	
Phenanthrene	0.086	ug/L	0.051	0.026	1	04/08/24 12:20	04/09/24 18:46	85-01-8	
Pyrene	0.041J	ug/L	0.051	0.023	1	04/08/24 12:20	04/09/24 18:46	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	56	%	38-120		1	04/08/24 12:20	04/09/24 18:46	321-60-8	
Terphenyl-d14 (S)	59	%	47-121		1	04/08/24 12:20	04/09/24 18:46	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 20:19	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 20:19	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 20:19	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 20:19	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 20:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/10/24 20:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		04/10/24 20:19	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 20:19	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	314	mg/L	10.0	5.0	1		04/16/24 13:01		
Alkalinity,Bicarbonate (CaCO3)	314	mg/L	10.0	5.0	1		04/16/24 13:01		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 13:01		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:52		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	75.6	mg/L	10.0	2.2	5		04/17/24 19:16	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	5.1	mg/L	0.25	0.059	1		04/10/24 08:15		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-16-24Q1** Lab ID: **40276453015** Collected: 04/04/24 17:06 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	4.0	mg/L	0.50	0.19	1		04/09/24 11:11	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-17-24Q1 **Lab ID:** 40276453016 Collected: 04/05/24 11:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.060J	mg/L	0.090	0.027	1	04/10/24 07:35	04/16/24 06:56		
TPH - Diesel (C10-C28)	0.10	mg/L	0.090	0.027	1	04/10/24 07:35	04/16/24 06:56		B
Surrogates									
o-Terphenyl (S)	81	%	44-134		1	04/10/24 07:35	04/16/24 06:56	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	11000	ug/L	112	23.0	40		04/16/24 14:40	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 17:16		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 17:51	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 17:51	7440-38-2	
Barium, Dissolved	170	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:51	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 17:51	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 17:51	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 17:51	7440-47-3	
Cobalt, Dissolved	3.1J	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 17:51	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 17:51	7440-50-8	
Iron, Dissolved	33500	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 17:51	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 17:51	7439-92-1	
Manganese, Dissolved	1500	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:51	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:51	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 17:51	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 17:51	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 17:51	7440-28-0	
Total Hardness by 2340B, Dissolved	416000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 17:51		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:51	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 17:51	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:32	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.035J	ug/L	0.049	0.014	1	04/09/24 08:49	04/11/24 00:25	83-32-9	
Acenaphthylene	<0.012	ug/L	0.049	0.012	1	04/09/24 08:49	04/11/24 00:25	208-96-8	
Anthracene	0.019J	ug/L	0.049	0.018	1	04/09/24 08:49	04/11/24 00:25	120-12-7	
Benzo(a)anthracene	0.017J	ug/L	0.049	0.013	1	04/09/24 08:49	04/11/24 00:25	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-17-24Q1 **Lab ID:** 40276453016 Collected: 04/05/24 11:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.049	0.013	1	04/09/24 08:49	04/11/24 00:25	50-32-8	
Benzo(b)fluoranthene	<0.0090	ug/L	0.049	0.0090	1	04/09/24 08:49	04/11/24 00:25	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.049	0.023	1	04/09/24 08:49	04/11/24 00:25	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.049	0.022	1	04/09/24 08:49	04/11/24 00:25	207-08-9	
Chrysene	0.014J	ug/L	0.049	0.012	1	04/09/24 08:49	04/11/24 00:25	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.049	0.018	1	04/09/24 08:49	04/11/24 00:25	53-70-3	
Fluoranthene	0.050	ug/L	0.049	0.026	1	04/09/24 08:49	04/11/24 00:25	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	04/09/24 08:49	04/11/24 00:25	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.049	0.015	1	04/09/24 08:49	04/11/24 00:25	193-39-5	
Naphthalene	0.024J	ug/L	0.049	0.020	1	04/09/24 08:49	04/11/24 00:25	91-20-3	
Phenanthrene	0.13	ug/L	0.049	0.025	1	04/09/24 08:49	04/11/24 00:25	85-01-8	
Pyrene	0.063	ug/L	0.049	0.022	1	04/09/24 08:49	04/11/24 00:25	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	38-120		1	04/09/24 08:49	04/11/24 00:25	321-60-8	
Terphenyl-d14 (S)	55	%	47-121		1	04/09/24 08:49	04/11/24 00:25	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 21:22	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 21:22	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 21:22	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 21:22	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 21:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/10/24 21:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/10/24 21:22	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 21:22	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	423	mg/L	10.0	5.0	1		04/16/24 13:11		
Alkalinity,Bicarbonate (CaCO3)	423	mg/L	10.0	5.0	1		04/16/24 13:11		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 13:11		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:54		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	4.1J	mg/L	10.0	2.2	5		04/17/24 19:30	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.16J	mg/L	0.25	0.059	1		04/10/24 08:16		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-17-24Q1** Lab ID: **40276453016** Collected: 04/05/24 11:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	9.3	mg/L	0.50	0.19	1		04/09/24 11:31	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-21-24Q1 Lab ID: 40276453017 Collected: 04/05/24 10:29 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.056J	mg/L	0.092	0.028	1	04/10/24 07:35	04/16/24 07:04		
TPH - Diesel (C10-C28)	0.11	mg/L	0.092	0.028	1	04/10/24 07:35	04/16/24 07:04		B
Surrogates									
o-Terphenyl (S)	103	%	44-134		1	04/10/24 07:35	04/16/24 07:04	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	13600	ug/L	140	28.8	50		04/16/24 14:48	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 12:06		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 17:54	7440-36-0	
Arsenic, Dissolved	10.6J	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 17:54	7440-38-2	
Barium, Dissolved	121	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:54	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 17:54	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 17:54	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 17:54	7440-47-3	
Cobalt, Dissolved	2.0J	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 17:54	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 17:54	7440-50-8	
Iron, Dissolved	38100	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 17:54	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 17:54	7439-92-1	
Manganese, Dissolved	2300	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:54	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:54	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 17:54	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 17:54	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 17:54	7440-28-0	
Total Hardness by 2340B, Dissolved	424000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 17:54		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:54	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 17:54	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:34	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.036J	ug/L	0.051	0.014	1	04/09/24 08:49	04/11/24 00:43	83-32-9	
Acenaphthylene	<0.013	ug/L	0.051	0.013	1	04/09/24 08:49	04/11/24 00:43	208-96-8	
Anthracene	<0.019	ug/L	0.051	0.019	1	04/09/24 08:49	04/11/24 00:43	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.051	0.014	1	04/09/24 08:49	04/11/24 00:43	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-21-24Q1 Lab ID: 40276453017 Collected: 04/05/24 10:29 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.051	0.013	1	04/09/24 08:49	04/11/24 00:43	50-32-8	
Benzo(b)fluoranthene	<0.0092	ug/L	0.051	0.0092	1	04/09/24 08:49	04/11/24 00:43	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.051	0.024	1	04/09/24 08:49	04/11/24 00:43	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.051	0.023	1	04/09/24 08:49	04/11/24 00:43	207-08-9	
Chrysene	<0.013	ug/L	0.051	0.013	1	04/09/24 08:49	04/11/24 00:43	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.051	0.018	1	04/09/24 08:49	04/11/24 00:43	53-70-3	
Fluoranthene	0.027J	ug/L	0.051	0.027	1	04/09/24 08:49	04/11/24 00:43	206-44-0	
Fluorene	<0.024	ug/L	0.051	0.024	1	04/09/24 08:49	04/11/24 00:43	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.051	0.016	1	04/09/24 08:49	04/11/24 00:43	193-39-5	
Naphthalene	<0.020	ug/L	0.051	0.020	1	04/09/24 08:49	04/11/24 00:43	91-20-3	
Phenanthrene	0.074	ug/L	0.051	0.026	1	04/09/24 08:49	04/11/24 00:43	85-01-8	
Pyrene	0.034J	ug/L	0.051	0.023	1	04/09/24 08:49	04/11/24 00:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	38-120		1	04/09/24 08:49	04/11/24 00:43	321-60-8	
Terphenyl-d14 (S)	49	%	47-121		1	04/09/24 08:49	04/11/24 00:43	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 20:35	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 20:35	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 20:35	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 20:35	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 20:35	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/10/24 20:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/10/24 20:35	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 20:35	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	371	mg/L	10.0	5.0	1		04/16/24 13:22		
Alkalinity,Bicarbonate (CaCO3)	371	mg/L	10.0	5.0	1		04/16/24 13:22		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 13:22		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<4.8	mg/L	15.9	4.8	4		04/08/24 20:20		D3
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		04/17/24 19:44	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:17		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-21-24Q1** Lab ID: **40276453017** Collected: 04/05/24 10:29 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	12.0	mg/L	1.5	0.57	3		04/09/24 11:50	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-22-24Q1 **Lab ID:** 40276453018 Collected: 04/04/24 10:31 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.042J	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 07:56		
TPH - Diesel (C10-C28)	0.72	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 07:56		
Surrogates									
o-Terphenyl (S)	74	%	44-134		1	04/09/24 08:02	04/11/24 07:56	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	2400	ug/L	28.0	5.8	10		04/16/24 15:17	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 12:32		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 17:56	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 17:56	7440-38-2	
Barium, Dissolved	4270	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:56	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 17:56	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 17:56	7440-43-9	
Chromium, Dissolved	3.0J	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 17:56	7440-47-3	
Cobalt, Dissolved	10.1	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 17:56	7440-48-4	
Copper, Dissolved	24.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 17:56	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 17:56	7439-89-6	
Lead, Dissolved	59.1	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 17:56	7439-92-1	
Manganese, Dissolved	<1.5	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:56	7439-96-5	
Nickel, Dissolved	9.9J	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:56	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 17:56	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 17:56	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 17:56	7440-28-0	
Total Hardness by 2340B, Dissolved	1800000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 17:56		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:56	7440-62-2	
Zinc, Dissolved	11.9J	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 17:56	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:37	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	1.9	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 19:04	83-32-9	
Acenaphthylene	0.015J	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 19:04	208-96-8	
Anthracene	0.036J	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 19:04	120-12-7	
Benzo(a)anthracene	0.036J	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 19:04	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-22-24Q1 Lab ID: 40276453018 Collected: 04/04/24 10:31 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.022J	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 19:04	50-32-8	
Benzo(b)fluoranthene	0.020J	ug/L	0.050	0.0091	1	04/08/24 12:20	04/09/24 19:04	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 19:04	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.050	0.022	1	04/08/24 12:20	04/09/24 19:04	207-08-9	
Chrysene	0.031J	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 19:04	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 19:04	53-70-3	
Fluoranthene	0.086	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 19:04	206-44-0	
Fluorene	0.043J	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 19:04	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.050	0.015	1	04/08/24 12:20	04/09/24 19:04	193-39-5	
Naphthalene	0.57	ug/L	0.050	0.020	1	04/08/24 12:20	04/09/24 19:04	91-20-3	
Phenanthrene	0.21	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 19:04	85-01-8	
Pyrene	0.10	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 19:04	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	38-120		1	04/08/24 12:20	04/09/24 19:04	321-60-8	
Terphenyl-d14 (S)	60	%	47-121		1	04/08/24 12:20	04/09/24 19:04	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	2.6	ug/L	1.0	0.30	1		04/10/24 20:51	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 20:51	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 20:51	100-42-5	
Toluene	1.1	ug/L	1.0	0.29	1		04/10/24 20:51	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 20:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/10/24 20:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/10/24 20:51	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 20:51	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	2240	mg/L	10.0	5.0	1		04/17/24 10:04		
Alkalinity,Bicarbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/17/24 10:04		
Alkalinity,Carbonate (CaCO3)	107	mg/L	10.0	5.0	1		04/17/24 10:04		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:58		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<44.4	mg/L	200	44.4	100		04/17/24 22:08	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	1.6	mg/L	0.25	0.059	1		04/10/24 08:17		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-22-24Q1** Lab ID: **40276453018** Collected: 04/04/24 10:31 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	17.3	mg/L	3.0	1.1	6		04/09/24 12:26	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-29-24Q1 Lab ID: 40276453019 Collected: 04/04/24 12:49 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.18J	mg/L	0.19	0.058	2	04/09/24 08:02	04/11/24 09:33		
TPH - Diesel (C10-C28)	2.6	mg/L	0.19	0.058	2	04/09/24 08:02	04/11/24 09:33		
Surrogates									
o-Terphenyl (S)	0	%	44-134		2	04/09/24 08:02	04/11/24 09:33	84-15-1	S4
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	19900	ug/L	280	57.6	100		04/16/24 15:23	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	858	ug/L	50.0	30.5	1		04/10/24 12:58		GO
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 17:58	7440-36-0	
Arsenic, Dissolved	80.7	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 17:58	7440-38-2	
Barium, Dissolved	81.0	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:58	7440-39-3	
Beryllium, Dissolved	0.73J	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 17:58	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 17:58	7440-43-9	
Chromium, Dissolved	36.0	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 17:58	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 17:58	7440-48-4	
Copper, Dissolved	46.0	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 17:58	7440-50-8	
Iron, Dissolved	1630	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 17:58	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 17:58	7439-92-1	
Manganese, Dissolved	17.5	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:58	7439-96-5	
Nickel, Dissolved	45.7	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:58	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 17:58	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 17:58	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 17:58	7440-28-0	
Total Hardness by 2340B, Dissolved	41100	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 17:58		
Vanadium, Dissolved	450	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:58	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 17:58	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:39	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	42.5	ug/L	0.39	0.11	8	04/08/24 12:20	04/09/24 22:26	83-32-9	
Acenaphthylene	0.69	ug/L	0.39	0.099	8	04/08/24 12:20	04/09/24 22:26	208-96-8	
Anthracene	3.0	ug/L	0.39	0.15	8	04/08/24 12:20	04/09/24 22:26	120-12-7	
Benzo(a)anthracene	1.0	ug/L	0.39	0.11	8	04/08/24 12:20	04/09/24 22:26	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-29-24Q1 Lab ID: 40276453019 Collected: 04/04/24 12:49 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.77	ug/L	0.39	0.10	8	04/08/24 12:20	04/09/24 22:26	50-32-8	
Benzo(b)fluoranthene	0.63	ug/L	0.39	0.071	8	04/08/24 12:20	04/09/24 22:26	205-99-2	
Benzo(g,h,i)perylene	0.35J	ug/L	0.39	0.18	8	04/08/24 12:20	04/09/24 22:26	191-24-2	
Benzo(k)fluoranthene	0.23J	ug/L	0.39	0.17	8	04/08/24 12:20	04/09/24 22:26	207-08-9	
Chrysene	1.1	ug/L	0.39	0.099	8	04/08/24 12:20	04/09/24 22:26	218-01-9	
Dibenz(a,h)anthracene	<0.14	ug/L	0.39	0.14	8	04/08/24 12:20	04/09/24 22:26	53-70-3	
Fluoranthene	4.7	ug/L	0.39	0.20	8	04/08/24 12:20	04/09/24 22:26	206-44-0	
Fluorene	8.6	ug/L	0.39	0.18	8	04/08/24 12:20	04/09/24 22:26	86-73-7	
Indeno(1,2,3-cd)pyrene	0.26J	ug/L	0.39	0.12	8	04/08/24 12:20	04/09/24 22:26	193-39-5	
Naphthalene	87.9	ug/L	0.39	0.16	8	04/08/24 12:20	04/09/24 22:26	91-20-3	
Phenanthrene	19.4	ug/L	0.39	0.20	8	04/08/24 12:20	04/09/24 22:26	85-01-8	
Pyrene	5.8	ug/L	0.39	0.18	8	04/08/24 12:20	04/09/24 22:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	30	%	38-120		8	04/08/24 12:20	04/09/24 22:26	321-60-8	2q,S0
Terphenyl-d14 (S)	29	%	47-121		8	04/08/24 12:20	04/09/24 22:26	1718-51-0	2q,S0
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	193	ug/L	1.0	0.30	1		04/10/24 21:38	71-43-2	
Ethylbenzene	24.8	ug/L	1.0	0.33	1		04/10/24 21:38	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 21:38	100-42-5	
Toluene	9.7	ug/L	1.0	0.29	1		04/10/24 21:38	108-88-3	
Xylene (Total)	104	ug/L	3.0	1.0	1		04/10/24 21:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/10/24 21:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/10/24 21:38	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 21:38	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	645	mg/L	10.0	5.0	1		04/16/24 14:00		
Alkalinity,Bicarbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 14:00		
Alkalinity,Carbonate (CaCO3)	610	mg/L	10.0	5.0	1		04/16/24 14:00		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<2.4	mg/L	8.0	2.4	2		04/08/24 19:59		1q,D3
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<44.4	mg/L	200	44.4	100		04/17/24 22:22	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:18		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-29-24Q1** Lab ID: **40276453019** Collected: 04/04/24 12:49 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	94.4	mg/L	5.0	1.9	10		04/09/24 12:43	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-28-24Q1 Lab ID: 40276453020 Collected: 04/04/24 14:45 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.041J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 08:12		
TPH - Diesel (C10-C28)	0.079J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 08:12		B
Surrogates									
o-Terphenyl (S)	100	%	44-134		1	04/09/24 08:02	04/11/24 08:12	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	69.6	ug/L	2.8	0.58	1		04/16/24 12:38	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 13:24		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:00	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:00	7440-38-2	
Barium, Dissolved	42.8	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:00	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:00	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:00	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:00	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:00	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:00	7440-50-8	
Iron, Dissolved	1140	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:00	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:00	7439-92-1	
Manganese, Dissolved	134	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:00	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:00	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:00	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:00	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:00	7440-28-0	
Total Hardness by 2340B, Dissolved	237000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:00		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:00	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:00	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:41	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.044J	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 19:23	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 19:23	208-96-8	
Anthracene	<0.018	ug/L	0.048	0.018	1	04/08/24 12:20	04/09/24 19:23	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 19:23	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-28-24Q1 Lab ID: 40276453020 Collected: 04/04/24 14:45 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 19:23	50-32-8	
Benzo(b)fluoranthene	<0.0088	ug/L	0.048	0.0088	1	04/08/24 12:20	04/09/24 19:23	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.048	0.023	1	04/08/24 12:20	04/09/24 19:23	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 19:23	207-08-9	
Chrysene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 19:23	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	04/08/24 12:20	04/09/24 19:23	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 19:23	206-44-0	
Fluorene	<0.023	ug/L	0.048	0.023	1	04/08/24 12:20	04/09/24 19:23	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	04/08/24 12:20	04/09/24 19:23	193-39-5	
Naphthalene	0.076	ug/L	0.048	0.019	1	04/08/24 12:20	04/09/24 19:23	91-20-3	
Phenanthrene	<0.025	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 19:23	85-01-8	
Pyrene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 19:23	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	38-120		1	04/08/24 12:20	04/09/24 19:23	321-60-8	
Terphenyl-d14 (S)	56	%	47-121		1	04/08/24 12:20	04/09/24 19:23	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 21:06	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 21:06	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 21:06	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 21:06	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 21:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 21:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 21:06	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 21:06	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	207	mg/L	10.0	5.0	1		04/16/24 14:25		
Alkalinity,Bicarbonate (CaCO3)	207	mg/L	10.0	5.0	1		04/16/24 14:25		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 14:25		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 20:00		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	79.6	mg/L	10.0	2.2	5		04/17/24 19:59	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.34	mg/L	0.25	0.059	1		04/10/24 08:19		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-28-24Q1** Lab ID: **40276453020** Collected: 04/04/24 14:45 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	2.6	mg/L	0.50	0.19	1		04/09/24 13:01	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-TB-2** Lab ID: **40276453021** Collected: 04/05/24 12:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 11:15		
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 14:31	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 14:31	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 14:31	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 14:31	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 14:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/10/24 14:31	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 14:31	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/10/24 14:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-2 Lab ID: 40276453022 Collected: 04/04/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel	Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
TPH (C28-C36)	0.035J	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 08:20		
TPH - Diesel (C10-C28)	0.068J	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 08:20		B
Surrogates									
o-Terphenyl (S)	100	%	44-134		1	04/09/24 08:02	04/11/24 08:20	84-15-1	
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Methane	70.8	ug/L	2.8	0.58	1		04/16/24 12:45	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO Pace Analytical Services - Green Bay								
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 14:15		
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:02	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:02	7440-38-2	
Barium, Dissolved	42.9	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:02	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:02	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:02	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:02	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:02	7440-48-4	
Copper, Dissolved	3.4J	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:02	7440-50-8	
Iron, Dissolved	1100	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:02	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:02	7439-92-1	
Manganese, Dissolved	132	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:02	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:02	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:02	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:02	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:02	7440-28-0	
Total Hardness by 2340B, Dissolved	237000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:02		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:02	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:02	7440-66-6	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:42	7439-97-6	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	0.031J	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 19:41	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 19:41	208-96-8	
Anthracene	<0.018	ug/L	0.048	0.018	1	04/08/24 12:20	04/09/24 19:41	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 19:41	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-2 Lab ID: 40276453022 Collected: 04/04/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 19:41	50-32-8	
Benzo(b)fluoranthene	<0.0087	ug/L	0.048	0.0087	1	04/08/24 12:20	04/09/24 19:41	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 19:41	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.048	0.021	1	04/08/24 12:20	04/09/24 19:41	207-08-9	
Chrysene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 19:41	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	04/08/24 12:20	04/09/24 19:41	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 19:41	206-44-0	
Fluorene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 19:41	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	04/08/24 12:20	04/09/24 19:41	193-39-5	
Naphthalene	0.024J	ug/L	0.048	0.019	1	04/08/24 12:20	04/09/24 19:41	91-20-3	
Phenanthrene	<0.024	ug/L	0.048	0.024	1	04/08/24 12:20	04/09/24 19:41	85-01-8	
Pyrene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 19:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	41	%	38-120		1	04/08/24 12:20	04/09/24 19:41	321-60-8	
Terphenyl-d14 (S)	49	%	47-121		1	04/08/24 12:20	04/09/24 19:41	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 18:25	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 18:25	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 18:25	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 18:25	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 18:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 18:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/10/24 18:25	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 18:25	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	194	mg/L	10.0	5.0	1		04/16/24 14:32		
Alkalinity,Bicarbonate (CaCO3)	194	mg/L	10.0	5.0	1		04/16/24 14:32		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 14:32		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 20:02		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	91.8	mg/L	10.0	2.2	5		04/17/24 20:13	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.33	mg/L	0.25	0.059	1		04/10/24 08:20		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-2 Lab ID: 40276453022 Collected: 04/04/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	2.5	mg/L	0.50	0.19	1		04/09/24 14:30	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-20R-24Q1 Lab ID: 40276453023 Collected: 04/03/24 16:06 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.19	mg/L	0.093	0.028	1	04/10/24 07:35	04/16/24 08:02		
TPH - Diesel (C10-C28)	0.87	mg/L	0.093	0.028	1	04/10/24 07:35	04/16/24 08:02		M0
Surrogates									
o-Terphenyl (S)	98	%	44-134		1	04/10/24 07:35	04/16/24 08:02	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	673	ug/L	28.0	5.8	10		04/17/24 13:26	74-82-8	M1
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	181	ug/L	50.0	30.5	1		04/10/24 14:41		GO
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 16:43	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 16:43	7440-38-2	
Barium, Dissolved	135	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:43	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 16:43	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 16:43	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 16:43	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 16:43	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 16:43	7440-50-8	
Iron, Dissolved	12000	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 16:43	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 16:43	7439-92-1	
Manganese, Dissolved	4590	ug/L	50.0	15.4	10	04/09/24 05:49	04/11/24 16:35	7439-96-5	P6
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:43	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 16:43	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 16:43	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 16:43	7440-28-0	
Total Hardness by 2340B, Dissolved	463000	ug/L	54000	10000	10	04/09/24 05:49	04/11/24 16:35		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:43	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 16:43	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:23	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	4.3	ug/L	0.10	0.029	2	04/09/24 08:49	04/09/24 20:36	83-32-9	
Acenaphthylene	0.78	ug/L	0.10	0.026	2	04/09/24 08:49	04/09/24 20:36	208-96-8	
Anthracene	0.18	ug/L	0.10	0.038	2	04/09/24 08:49	04/09/24 20:36	120-12-7	
Benzo(a)anthracene	0.038J	ug/L	0.10	0.028	2	04/09/24 08:49	04/09/24 20:36	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-20R-24Q1 **Lab ID:** 40276453023 Collected: 04/03/24 16:06 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.026	ug/L	0.10	0.026	2	04/09/24 08:49	04/09/24 20:36	50-32-8	
Benzo(b)fluoranthene	0.019J	ug/L	0.10	0.019	2	04/09/24 08:49	04/09/24 20:36	205-99-2	
Benzo(g,h,i)perylene	<0.048	ug/L	0.10	0.048	2	04/09/24 08:49	04/09/24 20:36	191-24-2	
Benzo(k)fluoranthene	<0.046	ug/L	0.10	0.046	2	04/09/24 08:49	04/09/24 20:36	207-08-9	
Chrysene	0.028J	ug/L	0.10	0.026	2	04/09/24 08:49	04/09/24 20:36	218-01-9	
Dibenz(a,h)anthracene	<0.037	ug/L	0.10	0.037	2	04/09/24 08:49	04/09/24 20:36	53-70-3	
Fluoranthene	0.36	ug/L	0.10	0.054	2	04/09/24 08:49	04/09/24 20:36	206-44-0	
Fluorene	0.75	ug/L	0.10	0.048	2	04/09/24 08:49	04/09/24 20:36	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.032	ug/L	0.10	0.032	2	04/09/24 08:49	04/09/24 20:36	193-39-5	
Naphthalene	20.5	ug/L	0.10	0.041	2	04/09/24 08:49	04/09/24 20:36	91-20-3	M1
Phenanthrene	0.52	ug/L	0.10	0.053	2	04/09/24 08:49	04/09/24 20:36	85-01-8	
Pyrene	0.32	ug/L	0.10	0.046	2	04/09/24 08:49	04/09/24 20:36	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	38-120		2	04/09/24 08:49	04/09/24 20:36	321-60-8	
Terphenyl-d14 (S)	54	%	47-121		2	04/09/24 08:49	04/09/24 20:36	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	66.8	ug/L	1.0	0.30	1		04/12/24 12:12	71-43-2	
Ethylbenzene	7.5	ug/L	1.0	0.33	1		04/12/24 12:12	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/12/24 12:12	100-42-5	
Toluene	2.8	ug/L	1.0	0.29	1		04/12/24 12:12	108-88-3	
Xylene (Total)	9.7	ug/L	3.0	1.0	1		04/12/24 12:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/12/24 12:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/12/24 12:12	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/12/24 12:12	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	402	mg/L	10.0	5.0	1		04/16/24 14:51		M0
Alkalinity,Bicarbonate (CaCO3)	402	mg/L	10.0	5.0	1		04/16/24 14:51		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 14:51		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:30		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	141	mg/L	10.0	2.2	5		04/17/24 21:11	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:46		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-20R-24Q1** Lab ID: **40276453023** Collected: 04/03/24 16:06 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	27.0	mg/L	7.5	2.8	15		04/09/24 13:16	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-6R-24Q1 Lab ID: 40276453024 Collected: 04/02/24 19:59 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	<1.4	mg/L	4.5	1.4	50	04/09/24 08:02	04/11/24 09:41		
TPH - Diesel (C10-C28)	28.3	mg/L	4.5	1.4	50	04/09/24 08:02	04/11/24 09:41		
Surrogates									
o-Terphenyl (S)	0	%	44-134		50	04/09/24 08:02	04/11/24 09:41	84-15-1	S4
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	6230	ug/L	112	23.0	40		04/16/24 15:30	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	1220	ug/L	100	60.9	2		04/10/24 17:42		G+
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:04	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:04	7440-38-2	
Barium, Dissolved	107	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:04	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:04	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:04	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:04	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:04	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:04	7440-50-8	
Iron, Dissolved	60.7J	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:04	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:04	7439-92-1	
Manganese, Dissolved	291	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:04	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:04	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:04	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:04	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:04	7440-28-0	
Total Hardness by 2340B, Dissolved	580000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:04		
Vanadium, Dissolved	4.6J	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:04	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:04	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 12:05	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	60.3	ug/L	14.9	4.1	300	04/08/24 12:20	04/09/24 20:54	83-32-9	
Acenaphthylene	20.3	ug/L	14.9	3.8	300	04/08/24 12:20	04/09/24 20:54	208-96-8	
Anthracene	<5.5	ug/L	14.9	5.5	300	04/08/24 12:20	04/09/24 20:54	120-12-7	
Benzo(a)anthracene	<4.1	ug/L	14.9	4.1	300	04/08/24 12:20	04/09/24 20:54	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-6R-24Q1 Lab ID: 40276453024 Collected: 04/02/24 19:59 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<3.8	ug/L	14.9	3.8	300	04/08/24 12:20	04/09/24 20:54	50-32-8	
Benzo(b)fluoranthene	<2.7	ug/L	14.9	2.7	300	04/08/24 12:20	04/09/24 20:54	205-99-2	
Benzo(g,h,i)perylene	<6.9	ug/L	14.9	6.9	300	04/08/24 12:20	04/09/24 20:54	191-24-2	
Benzo(k)fluoranthene	<6.7	ug/L	14.9	6.7	300	04/08/24 12:20	04/09/24 20:54	207-08-9	
Chrysene	<3.8	ug/L	14.9	3.8	300	04/08/24 12:20	04/09/24 20:54	218-01-9	
Dibenz(a,h)anthracene	<5.3	ug/L	14.9	5.3	300	04/08/24 12:20	04/09/24 20:54	53-70-3	
Fluoranthene	<7.8	ug/L	14.9	7.8	300	04/08/24 12:20	04/09/24 20:54	206-44-0	
Fluorene	20.2	ug/L	14.9	7.0	300	04/08/24 12:20	04/09/24 20:54	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.6	ug/L	14.9	4.6	300	04/08/24 12:20	04/09/24 20:54	193-39-5	
Naphthalene	2050	ug/L	14.9	5.9	300	04/08/24 12:20	04/09/24 20:54	91-20-3	
Phenanthrene	33.2	ug/L	14.9	7.6	300	04/08/24 12:20	04/09/24 20:54	85-01-8	
Pyrene	<6.7	ug/L	14.9	6.7	300	04/08/24 12:20	04/09/24 20:54	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	47	%	38-120		300	04/08/24 12:20	04/09/24 20:54	321-60-8	
Terphenyl-d14 (S)	53	%	47-121		300	04/08/24 12:20	04/09/24 20:54	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	10800	ug/L	100	29.5	100		04/12/24 16:39	71-43-2	
Ethylbenzene	3760	ug/L	100	32.5	100		04/12/24 16:39	100-41-4	
Styrene	542	ug/L	100	35.6	100		04/12/24 16:39	100-42-5	
Toluene	18100	ug/L	100	28.8	100		04/12/24 16:39	108-88-3	
Xylene (Total)	11000	ug/L	300	105	100		04/12/24 16:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		100		04/12/24 16:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		100		04/12/24 16:39	2199-69-1	
Toluene-d8 (S)	100	%	70-130		100		04/12/24 16:39	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	467	mg/L	10.0	5.0	1		04/16/24 15:35		
Alkalinity,Bicarbonate (CaCO3)	467	mg/L	10.0	5.0	1		04/16/24 15:35		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 15:35		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	10.4J	mg/L	15.9	4.8	4		04/08/24 12:41		1q,D3
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	158	mg/L	20.0	4.4	10		04/16/24 13:38	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:25		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-6R-24Q1** Lab ID: **40276453024** Collected: 04/02/24 19:59 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	10.6	mg/L	3.0	1.1	6		04/09/24 14:46	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-7R-24Q1 **Lab ID:** 40276453025 Collected: 04/03/24 18:46 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.039J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 08:36		
TPH - Diesel (C10-C28)	0.12	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 08:36		B
Surrogates									
o-Terphenyl (S)	91	%	44-134		1	04/09/24 08:02	04/11/24 08:36	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		04/16/24 13:52	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	37.0J	ug/L	50.0	30.5	1		04/10/24 15:07		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:05	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:05	7440-38-2	
Barium, Dissolved	184	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:05	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:05	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:05	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:05	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:05	7440-48-4	
Copper, Dissolved	3.9J	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:05	7440-50-8	
Iron, Dissolved	621	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:05	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:05	7439-92-1	
Manganese, Dissolved	3170	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:05	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:05	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:05	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:05	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:05	7440-28-0	
Total Hardness by 2340B, Dissolved	620000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:05		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:05	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:05	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:45	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.53	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 19:59	83-32-9	
Acenaphthylene	0.035J	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 19:59	208-96-8	
Anthracene	0.12	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 19:59	120-12-7	
Benzo(a)anthracene	0.017J	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 19:59	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-7R-24Q1 Lab ID: 40276453025 Collected: 04/03/24 18:46 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 19:59	50-32-8	
Benzo(b)fluoranthene	0.010J	ug/L	0.050	0.0090	1	04/08/24 12:20	04/09/24 19:59	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 19:59	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.050	0.022	1	04/08/24 12:20	04/09/24 19:59	207-08-9	
Chrysene	0.013J	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 19:59	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 19:59	53-70-3	
Fluoranthene	0.13	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 19:59	206-44-0	
Fluorene	0.064	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 19:59	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.050	0.015	1	04/08/24 12:20	04/09/24 19:59	193-39-5	
Naphthalene	0.95	ug/L	0.050	0.020	1	04/08/24 12:20	04/09/24 19:59	91-20-3	
Phenanthrene	0.21	ug/L	0.050	0.025	1	04/08/24 12:20	04/09/24 19:59	85-01-8	
Pyrene	0.14	ug/L	0.050	0.022	1	04/08/24 12:20	04/09/24 19:59	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	38-120		1	04/08/24 12:20	04/09/24 19:59	321-60-8	
Terphenyl-d14 (S)	62	%	47-121		1	04/08/24 12:20	04/09/24 19:59	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	27.2	ug/L	1.0	0.30	1		04/10/24 18:44	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 18:44	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 18:44	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 18:44	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 18:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/10/24 18:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		04/10/24 18:44	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 18:44	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	266	mg/L	10.0	5.0	1		04/16/24 16:02		
Alkalinity,Bicarbonate (CaCO3)	266	mg/L	10.0	5.0	1		04/16/24 16:02		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 16:02		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:36		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	282	mg/L	20.0	4.4	10		04/18/24 16:20	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:26		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-7R-24Q1** Lab ID: **40276453025** Collected: 04/03/24 18:46 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	18.4	mg/L	3.0	1.1	6		04/09/24 15:22	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-8R-24Q1 Lab ID: 40276453026 Collected: 04/04/24 07:41 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.92J	mg/L	2.3	0.68	25	04/10/24 07:35	04/16/24 08:18		
TPH - Diesel (C10-C28)	17.8	mg/L	2.3	0.68	25	04/10/24 07:35	04/16/24 08:18		
Surrogates									
o-Terphenyl (S)	0	%	44-134		25	04/10/24 07:35	04/16/24 08:18	84-15-1	S4
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	3160	ug/L	112	23.0	40		04/17/24 13:33	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	3880	ug/L	200	122	4		04/10/24 18:07		G+
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:07	7440-36-0	
Arsenic, Dissolved	13.2J	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:07	7440-38-2	
Barium, Dissolved	396	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:07	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:07	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:07	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:07	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:07	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:07	7440-50-8	
Iron, Dissolved	131	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:07	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:07	7439-92-1	
Manganese, Dissolved	<1.5	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:07	7439-96-5	
Nickel, Dissolved	18.0	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:07	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:07	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:07	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:07	7440-28-0	
Total Hardness by 2340B, Dissolved	533000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:07		
Vanadium, Dissolved	129	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:07	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:07	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	0.31	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:47	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	87.8	ug/L	4.9	1.4	100	04/09/24 08:49	04/10/24 00:15	83-32-9	
Acenaphthylene	6.9	ug/L	4.9	1.2	100	04/09/24 08:49	04/10/24 00:15	208-96-8	
Anthracene	5.3	ug/L	4.9	1.8	100	04/09/24 08:49	04/10/24 00:15	120-12-7	
Benzo(a)anthracene	<1.3	ug/L	4.9	1.3	100	04/09/24 08:49	04/10/24 00:15	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-8R-24Q1 **Lab ID: 40276453026** Collected: 04/04/24 07:41 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<1.3	ug/L	4.9	1.3	100	04/09/24 08:49	04/10/24 00:15	50-32-8	
Benzo(b)fluoranthene	<0.90	ug/L	4.9	0.90	100	04/09/24 08:49	04/10/24 00:15	205-99-2	
Benzo(g,h,i)perylene	<2.3	ug/L	4.9	2.3	100	04/09/24 08:49	04/10/24 00:15	191-24-2	
Benzo(k)fluoranthene	<2.2	ug/L	4.9	2.2	100	04/09/24 08:49	04/10/24 00:15	207-08-9	
Chrysene	<1.2	ug/L	4.9	1.2	100	04/09/24 08:49	04/10/24 00:15	218-01-9	
Dibenz(a,h)anthracene	<1.8	ug/L	4.9	1.8	100	04/09/24 08:49	04/10/24 00:15	53-70-3	
Fluoranthene	2.8J	ug/L	4.9	2.6	100	04/09/24 08:49	04/10/24 00:15	206-44-0	
Fluorene	22.1	ug/L	4.9	2.3	100	04/09/24 08:49	04/10/24 00:15	86-73-7	
Indeno(1,2,3-cd)pyrene	<1.5	ug/L	4.9	1.5	100	04/09/24 08:49	04/10/24 00:15	193-39-5	
Naphthalene	870	ug/L	4.9	2.0	100	04/09/24 08:49	04/10/24 00:15	91-20-3	
Phenanthrene	30.6	ug/L	4.9	2.5	100	04/09/24 08:49	04/10/24 00:15	85-01-8	
Pyrene	2.8J	ug/L	4.9	2.2	100	04/09/24 08:49	04/10/24 00:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	38-120		100	04/09/24 08:49	04/10/24 00:15	321-60-8	
Terphenyl-d14 (S)	43	%	47-121		100	04/09/24 08:49	04/10/24 00:15	1718-51-0	S4
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	112000	ug/L	1000	295	1000		04/15/24 09:01	71-43-2	
Ethylbenzene	896	ug/L	200	65.0	200		04/12/24 16:24	100-41-4	
Styrene	1670	ug/L	200	71.3	200		04/12/24 16:24	100-42-5	
Toluene	48400	ug/L	200	57.6	200		04/12/24 16:24	108-88-3	
Xylene (Total)	7100	ug/L	600	210	200		04/12/24 16:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		200		04/12/24 16:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		200		04/12/24 16:24	2199-69-1	
Toluene-d8 (S)	101	%	70-130		200		04/12/24 16:24	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	580	mg/L	10.0	5.0	1		04/16/24 16:11		
Alkalinity,Bicarbonate (CaCO3)	20.2	mg/L	10.0	5.0	1		04/16/24 16:11		
Alkalinity,Carbonate (CaCO3)	560	mg/L	10.0	5.0	1		04/16/24 16:11		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	4.8	mg/L	4.0	1.2	1		04/08/24 20:03		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	50.5	mg/L	40.0	8.9	20		04/18/24 16:34	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:27		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-8R-24Q1** Lab ID: **40276453026** Collected: 04/04/24 07:41 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	98.4	mg/L	10.0	3.8	20		04/09/24 15:37	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-27-24Q1 **Lab ID:** 40276453027 Collected: 04/02/24 17:01 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.072J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:13		
TPH - Diesel (C10-C28)	0.23	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:13		B,M0
Surrogates									
o-Terphenyl (S)	85	%	44-134		1	04/09/24 08:02	04/11/24 06:13	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	151	ug/L	2.8	0.58	1		04/16/24 13:06	74-82-8	M1
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	73.0	ug/L	50.0	30.5	1		04/10/24 15:33		G-
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 17:40	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 17:40	7440-38-2	
Barium, Dissolved	144	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:40	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 17:40	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 17:40	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 17:40	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 17:40	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 17:40	7440-50-8	
Iron, Dissolved	1540	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 17:40	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 17:40	7439-92-1	
Manganese, Dissolved	565	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:40	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:40	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 17:40	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 17:40	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 17:40	7440-28-0	
Total Hardness by 2340B, Dissolved	438000	ug/L	54000	10000	10	04/09/24 05:58	04/11/24 17:32		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:40	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 17:40	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:28	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.022J	ug/L	0.051	0.014	1	04/08/24 12:20	04/09/24 16:22	83-32-9	
Acenaphthylene	<0.013	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 16:22	208-96-8	
Anthracene	<0.019	ug/L	0.051	0.019	1	04/08/24 12:20	04/09/24 16:22	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.051	0.014	1	04/08/24 12:20	04/09/24 16:22	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-27-24Q1 Lab ID: 40276453027 Collected: 04/02/24 17:01 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 16:22	50-32-8	
Benzo(b)fluoranthene	<0.0093	ug/L	0.051	0.0093	1	04/08/24 12:20	04/09/24 16:22	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.051	0.024	1	04/08/24 12:20	04/09/24 16:22	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.051	0.023	1	04/08/24 12:20	04/09/24 16:22	207-08-9	
Chrysene	<0.013	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 16:22	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.051	0.018	1	04/08/24 12:20	04/09/24 16:22	53-70-3	
Fluoranthene	0.029J	ug/L	0.051	0.027	1	04/08/24 12:20	04/09/24 16:22	206-44-0	
Fluorene	<0.024	ug/L	0.051	0.024	1	04/08/24 12:20	04/09/24 16:22	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.051	0.016	1	04/08/24 12:20	04/09/24 16:22	193-39-5	
Naphthalene	0.14	ug/L	0.051	0.020	1	04/08/24 12:20	04/09/24 16:22	91-20-3	
Phenanthrene	<0.026	ug/L	0.051	0.026	1	04/08/24 12:20	04/09/24 16:22	85-01-8	
Pyrene	0.030J	ug/L	0.051	0.023	1	04/08/24 12:20	04/09/24 16:22	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	38-120		1	04/08/24 12:20	04/09/24 16:22	321-60-8	
Terphenyl-d14 (S)	59	%	47-121		1	04/08/24 12:20	04/09/24 16:22	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	40.6	ug/L	1.0	0.30	1		04/10/24 15:30	71-43-2	
Ethylbenzene	0.66J	ug/L	1.0	0.33	1		04/10/24 15:30	100-41-4	
Styrene	0.56J	ug/L	1.0	0.36	1		04/10/24 15:30	100-42-5	
Toluene	6.6	ug/L	1.0	0.29	1		04/10/24 15:30	108-88-3	
Xylene (Total)	5.2	ug/L	3.0	1.0	1		04/10/24 15:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/10/24 15:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		04/10/24 15:30	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 15:30	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	49.7	mg/L	10.0	5.0	1		04/16/24 16:39		M0
Alkalinity,Bicarbonate (CaCO3)	49.7	mg/L	10.0	5.0	1		04/16/24 16:39		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 16:39		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 12:44		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	80.7	mg/L	20.0	4.4	10		04/18/24 16:48	14808-79-8	M0
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:48		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-27-24Q1** Lab ID: **40276453027** Collected: 04/02/24 17:01 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	6.7	mg/L	3.0	1.1	6		04/09/24 15:53	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-30-24Q1 Lab ID: 40276453028 Collected: 04/05/24 07:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		04/17/24 13:19	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 15:59		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:13	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:13	7440-38-2	
Barium, Dissolved	204	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:13	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:13	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:13	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:13	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:13	7440-48-4	
Copper, Dissolved	3.8J	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:13	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:13	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:13	7439-92-1	
Manganese, Dissolved	895	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:13	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:13	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:13	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:13	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:13	7440-28-0	
Total Hardness by 2340B, Dissolved	971000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:13		
Vanadium, Dissolved	2.7J	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:13	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:13	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:49	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.12	ug/L	0.050	0.014	1	04/09/24 08:49	04/11/24 01:01	83-32-9	
Acenaphthylene	0.043J	ug/L	0.050	0.012	1	04/09/24 08:49	04/11/24 01:01	208-96-8	
Anthracene	0.048J	ug/L	0.050	0.018	1	04/09/24 08:49	04/11/24 01:01	120-12-7	
Benzo(a)anthracene	0.032J	ug/L	0.050	0.013	1	04/09/24 08:49	04/11/24 01:01	56-55-3	
Benzo(a)pyrene	0.017J	ug/L	0.050	0.013	1	04/09/24 08:49	04/11/24 01:01	50-32-8	
Benzo(b)fluoranthene	0.019J	ug/L	0.050	0.0090	1	04/09/24 08:49	04/11/24 01:01	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.050	0.023	1	04/09/24 08:49	04/11/24 01:01	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.050	0.022	1	04/09/24 08:49	04/11/24 01:01	207-08-9	
Chrysene	0.030J	ug/L	0.050	0.012	1	04/09/24 08:49	04/11/24 01:01	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	04/09/24 08:49	04/11/24 01:01	53-70-3	
Fluoranthene	0.089	ug/L	0.050	0.026	1	04/09/24 08:49	04/11/24 01:01	206-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-30-24Q1 Lab ID: 40276453028 Collected: 04/05/24 07:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Fluorene	0.052	ug/L	0.050	0.023	1	04/09/24 08:49	04/11/24 01:01	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.050	0.015	1	04/09/24 08:49	04/11/24 01:01	193-39-5	
Naphthalene	0.046J	ug/L	0.050	0.020	1	04/09/24 08:49	04/11/24 01:01	91-20-3	
Phenanthrene	0.17	ug/L	0.050	0.025	1	04/09/24 08:49	04/11/24 01:01	85-01-8	
Pyrene	0.12	ug/L	0.050	0.022	1	04/09/24 08:49	04/11/24 01:01	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	38-120		1	04/09/24 08:49	04/11/24 01:01	321-60-8	
Terphenyl-d14 (S)	50	%	47-121		1	04/09/24 08:49	04/11/24 01:01	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/12/24 15:36	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/12/24 15:36	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/12/24 15:36	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/12/24 15:36	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/12/24 15:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/12/24 15:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/12/24 15:36	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/12/24 15:36	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	465	mg/L	10.0	5.0	1		04/16/24 16:59		
Alkalinity,Bicarbonate (CaCO3)	465	mg/L	10.0	5.0	1		04/16/24 16:59		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 16:59		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/10/24 11:25		1q,P4
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	437	mg/L	40.0	8.9	20		04/18/24 13:43	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.16J	mg/L	0.25	0.059	1		04/10/24 08:30		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-31-24Q1 Lab ID: 40276453029 Collected: 04/02/24 18:44 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.091	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 08:44		
TPH - Diesel (C10-C28)	0.11	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 08:44		B
Surrogates									
o-Terphenyl (S)	86	%	44-134		1	04/09/24 08:02	04/11/24 08:44	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	17.8	ug/L	2.8	0.58	1		04/16/24 13:13	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 16:24		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:15	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:15	7440-38-2	
Barium, Dissolved	143	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:15	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:15	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:15	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:15	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:15	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:15	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:15	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:15	7439-92-1	
Manganese, Dissolved	145	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:15	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:15	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:15	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:15	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:15	7440-28-0	
Total Hardness by 2340B, Dissolved	646000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:15		
Vanadium, Dissolved	2.8J	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:15	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:15	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:52	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 20:17	83-32-9	
Acenaphthylene	<0.013	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 20:17	208-96-8	
Anthracene	<0.019	ug/L	0.050	0.019	1	04/08/24 12:20	04/09/24 20:17	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 20:17	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-31-24Q1 Lab ID: 40276453029 Collected: 04/02/24 18:44 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 20:17	50-32-8	
Benzo(b)fluoranthene	<0.0091	ug/L	0.050	0.0091	1	04/08/24 12:20	04/09/24 20:17	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 20:17	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.050	0.022	1	04/08/24 12:20	04/09/24 20:17	207-08-9	
Chrysene	<0.013	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 20:17	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 20:17	53-70-3	
Fluoranthene	<0.026	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 20:17	206-44-0	
Fluorene	<0.024	ug/L	0.050	0.024	1	04/08/24 12:20	04/09/24 20:17	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.050	0.016	1	04/08/24 12:20	04/09/24 20:17	193-39-5	
Naphthalene	0.070	ug/L	0.050	0.020	1	04/08/24 12:20	04/09/24 20:17	91-20-3	
Phenanthrene	<0.026	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 20:17	85-01-8	
Pyrene	<0.023	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 20:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	38-120		1	04/08/24 12:20	04/09/24 20:17	321-60-8	
Terphenyl-d14 (S)	59	%	47-121		1	04/08/24 12:20	04/09/24 20:17	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/12/24 15:52	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/12/24 15:52	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/12/24 15:52	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/12/24 15:52	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/12/24 15:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/12/24 15:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/12/24 15:52	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/12/24 15:52	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	392	mg/L	10.0	5.0	1		04/16/24 17:09		
Alkalinity,Bicarbonate (CaCO3)	392	mg/L	10.0	5.0	1		04/16/24 17:09		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 17:09		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 12:50		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	134	mg/L	20.0	4.4	10		04/18/24 17:31	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.71	mg/L	0.25	0.059	1		04/10/24 08:33		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-31-24Q1 Lab ID: 40276453029 Collected: 04/02/24 18:44 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	2.9	mg/L	0.50	0.19	1		04/09/24 16:44	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-3 Lab ID: 40276453030 Collected: 04/05/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.061J	mg/L	0.092	0.028	1	04/10/24 07:35	04/16/24 07:20		
TPH - Diesel (C10-C28)	0.12	mg/L	0.092	0.028	1	04/10/24 07:35	04/16/24 07:20		B
Surrogates									
o-Terphenyl (S)	85	%	44-134		1	04/10/24 07:35	04/16/24 07:20	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	6680	ug/L	140	28.8	50		04/17/24 13:40	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 16:50		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:17	7440-36-0	
Arsenic, Dissolved	13.6J	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:17	7440-38-2	
Barium, Dissolved	117	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:17	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:17	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:17	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:17	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:17	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:17	7440-50-8	
Iron, Dissolved	36800	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:17	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:17	7439-92-1	
Manganese, Dissolved	2230	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:17	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:17	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:17	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:17	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:17	7440-28-0	
Total Hardness by 2340B, Dissolved	406000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:17		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:17	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:17	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:54	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.028J	ug/L	0.052	0.015	1	04/09/24 08:49	04/11/24 01:19	83-32-9	
Acenaphthylene	<0.013	ug/L	0.052	0.013	1	04/09/24 08:49	04/11/24 01:19	208-96-8	
Anthracene	<0.019	ug/L	0.052	0.019	1	04/09/24 08:49	04/11/24 01:19	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.052	0.014	1	04/09/24 08:49	04/11/24 01:19	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-3 Lab ID: 40276453030 Collected: 04/05/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.052	0.013	1	04/09/24 08:49	04/11/24 01:19	50-32-8	
Benzo(b)fluoranthene	<0.0095	ug/L	0.052	0.0095	1	04/09/24 08:49	04/11/24 01:19	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.052	0.024	1	04/09/24 08:49	04/11/24 01:19	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.052	0.023	1	04/09/24 08:49	04/11/24 01:19	207-08-9	
Chrysene	<0.013	ug/L	0.052	0.013	1	04/09/24 08:49	04/11/24 01:19	218-01-9	
Dibenz(a,h)anthracene	<0.019	ug/L	0.052	0.019	1	04/09/24 08:49	04/11/24 01:19	53-70-3	
Fluoranthene	<0.027	ug/L	0.052	0.027	1	04/09/24 08:49	04/11/24 01:19	206-44-0	
Fluorene	<0.025	ug/L	0.052	0.025	1	04/09/24 08:49	04/11/24 01:19	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.052	0.016	1	04/09/24 08:49	04/11/24 01:19	193-39-5	
Naphthalene	<0.021	ug/L	0.052	0.021	1	04/09/24 08:49	04/11/24 01:19	91-20-3	
Phenanthrene	0.050J	ug/L	0.052	0.027	1	04/09/24 08:49	04/11/24 01:19	85-01-8	
Pyrene	<0.024	ug/L	0.052	0.024	1	04/09/24 08:49	04/11/24 01:19	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	38-120		1	04/09/24 08:49	04/11/24 01:19	321-60-8	
Terphenyl-d14 (S)	52	%	47-121		1	04/09/24 08:49	04/11/24 01:19	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 16:48	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 16:48	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 16:48	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 16:48	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 16:48	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 16:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/10/24 16:48	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/10/24 16:48	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	377	mg/L	10.0	5.0	1		04/16/24 17:18		
Alkalinity,Bicarbonate (CaCO3)	377	mg/L	10.0	5.0	1		04/16/24 17:18		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 17:18		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 20:04		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	0.46J	mg/L	2.0	0.44	1		04/15/24 22:27	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.086J	mg/L	0.25	0.059	1		04/10/24 08:34		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-3 Lab ID: 40276453030 Collected: 04/05/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	11.9	mg/L	3.0	1.1	6		04/09/24 17:02	7440-44-0	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471513	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 8015B Modified	Analysis Description:	Methane, Ethane, Ethene GCV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004

METHOD BLANK: 2700392 Matrix: Water
 Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.58	2.8	04/15/24 09:59	

LABORATORY CONTROL SAMPLE & LCSD: 2700393 2700394

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	27.0	29.8	95	104	80-120	10	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2701453 2701454

Parameter	Units	40276372064 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	<0.58	28.6	28.6	28.7	31.6	100	111	12-198	10	26	

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.

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471746	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 8015B Modified	Analysis Description:	Methane, Ethane, Ethene GCV
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453027, 40276453029		

METHOD BLANK:	2701517	Matrix:	Water
Associated Lab Samples:	40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453027, 40276453029		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.58	2.8	04/16/24 09:00	

Parameter	Units	2701518		2701519		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCSD % Rec				
Methane	ug/L	28.6	29.9	32.1	105	112	80-120	7	20

Parameter	Units	2701520		2701521		% Rec Limits	RPD	Max RPD	Qual			
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Methane	ug/L	151	28.6	28.6	205	214	189	223	12-198	5	26	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471856	Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified	Analysis Description: Methane, Ethane, Ethene GCV
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453023, 40276453026, 40276453028, 40276453030

METHOD BLANK: 2702303 Matrix: Water
 Associated Lab Samples: 40276453023, 40276453026, 40276453028, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.58	2.8	04/17/24 09:32	

LABORATORY CONTROL SAMPLE & LCSD: 2702304 2702305

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	27.1	29.7	95	104	80-120	9	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2702306 2702307

Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	673	286	286	1900	2010	429	468	12-198	6	26	M1

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471034	Analysis Method:	WI MOD GRO
QC Batch Method:	WI MOD GRO	Analysis Description:	WIGRO GCV Water
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453009, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014

METHOD BLANK: 2697991 Matrix: Water

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453009, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	<30.5	50.0	04/08/24 08:56	

LABORATORY CONTROL SAMPLE & LCSD: 2697992 2697993

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	200	192	199	96	100	80-120	4	20	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471294	Analysis Method:	WI MOD GRO
QC Batch Method:	WI MOD GRO	Analysis Description:	WIGRO GCV Water
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453021, 40276453022, 40276453023, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

METHOD BLANK: 2698899 Matrix: Water

Associated Lab Samples: 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453021, 40276453022, 40276453023, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	<30.5	50.0	04/10/24 09:57	

Parameter	Units	2698901					% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Gasoline Range Organics	ug/L	200	203	202	102	101	80-120	1	20	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	472195	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury Dissolved
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453023		

METHOD BLANK:	2704356	Matrix:	Water
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453023		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.066	0.20	04/22/24 09:14	

LABORATORY CONTROL SAMPLE:	2704357					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.1	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2704390			2704391								
Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.066	5	5	5.2	5.1	103	102	85-115	1	20	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	472196	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury Dissolved
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453022, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030		

METHOD BLANK:	2704360	Matrix:	Water
Associated Lab Samples:	40276453022, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.066	0.20	04/22/24 10:23	

LABORATORY CONTROL SAMPLE: 2704361						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2704399												2704400	
Parameter	Units	40276453027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Mercury, Dissolved	ug/L	<0.066	5	5	5.3	5.2	105	105	85-115	1	20		

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471175 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D MET Dissolved
 Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453023

METHOD BLANK: 2698395 Matrix: Water

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony, Dissolved	ug/L	<7.6	20.0	04/11/24 16:32	
Arsenic, Dissolved	ug/L	<8.3	25.0	04/11/24 16:32	
Barium, Dissolved	ug/L	<1.5	5.0	04/11/24 16:32	
Beryllium, Dissolved	ug/L	<0.53	4.0	04/11/24 16:32	
Cadmium, Dissolved	ug/L	<1.3	5.0	04/11/24 16:32	
Chromium, Dissolved	ug/L	<2.5	10.0	04/11/24 16:32	
Cobalt, Dissolved	ug/L	<1.4	5.0	04/11/24 16:32	
Copper, Dissolved	ug/L	<3.4	10.0	04/11/24 16:32	
Iron, Dissolved	ug/L	<56.7	100	04/11/24 16:32	
Lead, Dissolved	ug/L	<5.9	20.0	04/11/24 16:32	
Manganese, Dissolved	ug/L	<1.5	5.0	04/11/24 16:32	
Nickel, Dissolved	ug/L	<2.6	10.0	04/11/24 16:32	
Selenium, Dissolved	ug/L	<12.2	40.0	04/11/24 16:32	
Silver, Dissolved	ug/L	<3.2	10.0	04/11/24 16:32	
Thallium, Dissolved	ug/L	<10.0	40.0	04/11/24 16:32	
Total Hardness by 2340B, Dissolved	ug/L	<1000	5400	04/11/24 16:32	
Vanadium, Dissolved	ug/L	<2.6	10.0	04/11/24 16:32	
Zinc, Dissolved	ug/L	<11.6	40.0	04/11/24 16:32	

LABORATORY CONTROL SAMPLE: 2698396

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony, Dissolved	ug/L	250	256	102	80-120	
Arsenic, Dissolved	ug/L	250	250	100	80-120	
Barium, Dissolved	ug/L	250	263	105	80-120	
Beryllium, Dissolved	ug/L	250	263	105	80-120	
Cadmium, Dissolved	ug/L	250	267	107	80-120	
Chromium, Dissolved	ug/L	250	264	105	80-120	
Cobalt, Dissolved	ug/L	250	269	107	80-120	
Copper, Dissolved	ug/L	250	269	108	80-120	
Iron, Dissolved	ug/L	10000	10700	107	80-120	
Lead, Dissolved	ug/L	250	266	107	80-120	
Manganese, Dissolved	ug/L	250	271	109	80-120	
Nickel, Dissolved	ug/L	250	269	108	80-120	
Selenium, Dissolved	ug/L	250	265	106	80-120	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

LABORATORY CONTROL SAMPLE: 2698396

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver, Dissolved	ug/L	125	132	106	80-120	
Thallium, Dissolved	ug/L	250	262	105	80-120	
Total Hardness by 2340B, Dissolved	ug/L		69100			
Vanadium, Dissolved	ug/L	250	268	107	80-120	
Zinc, Dissolved	ug/L	250	270	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698397 2698398

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40276453023 Result	Spike Conc.	Spike Conc.	Result							Result
Antimony, Dissolved	ug/L	<7.6	250	250	261	259	104	104	75-125	1	20	
Arsenic, Dissolved	ug/L	<8.3	250	250	247	247	98	98	75-125	0	20	
Barium, Dissolved	ug/L	135	250	250	391	386	103	101	75-125	1	20	
Beryllium, Dissolved	ug/L	<0.53	250	250	261	258	104	103	75-125	1	20	
Cadmium, Dissolved	ug/L	<1.3	250	250	262	260	105	104	75-125	1	20	
Chromium, Dissolved	ug/L	<2.5	250	250	259	256	103	102	75-125	1	20	
Cobalt, Dissolved	ug/L	<1.4	250	250	263	259	105	103	75-125	2	20	
Copper, Dissolved	ug/L	<3.4	250	250	271	268	107	106	75-125	1	20	
Iron, Dissolved	ug/L	12000	10000	10000	22300	22000	104	101	75-125	1	20	
Lead, Dissolved	ug/L	<5.9	250	250	265	260	106	104	75-125	2	20	
Manganese, Dissolved	ug/L	4590	250	250	4860	4750	110	63	75-125	2	20	P6
Nickel, Dissolved	ug/L	<2.6	250	250	265	263	106	105	75-125	1	20	
Selenium, Dissolved	ug/L	<12.2	250	250	264	260	103	102	75-125	2	20	
Silver, Dissolved	ug/L	<3.2	125	125	131	129	104	104	75-125	1	20	
Thallium, Dissolved	ug/L	<10.0	250	250	262	257	105	103	75-125	2	20	
Total Hardness by 2340B, Dissolved	ug/L	463000			535000	520000				3	20	
Vanadium, Dissolved	ug/L	<2.6	250	250	267	264	106	105	75-125	1	20	
Zinc, Dissolved	ug/L	<11.6	250	250	266	263	106	105	75-125	1	20	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471176 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D MET Dissolved
 Laboratory: Pace Analytical Services - Green Bay
 Associated Lab Samples: 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

METHOD BLANK: 2698399 Matrix: Water
 Associated Lab Samples: 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony, Dissolved	ug/L	<7.6	20.0	04/11/24 17:28	
Arsenic, Dissolved	ug/L	<8.3	25.0	04/11/24 17:28	
Barium, Dissolved	ug/L	<1.5	5.0	04/11/24 17:28	
Beryllium, Dissolved	ug/L	<0.53	4.0	04/11/24 17:28	
Cadmium, Dissolved	ug/L	<1.3	5.0	04/11/24 17:28	
Chromium, Dissolved	ug/L	<2.5	10.0	04/11/24 17:28	
Cobalt, Dissolved	ug/L	<1.4	5.0	04/11/24 17:28	
Copper, Dissolved	ug/L	<3.4	10.0	04/11/24 17:28	
Iron, Dissolved	ug/L	<56.7	100	04/11/24 17:28	
Lead, Dissolved	ug/L	<5.9	20.0	04/11/24 17:28	
Manganese, Dissolved	ug/L	<1.5	5.0	04/11/24 17:28	
Nickel, Dissolved	ug/L	<2.6	10.0	04/11/24 17:28	
Selenium, Dissolved	ug/L	<12.2	40.0	04/11/24 17:28	
Silver, Dissolved	ug/L	<3.2	10.0	04/11/24 17:28	
Thallium, Dissolved	ug/L	<10.0	40.0	04/11/24 17:28	
Total Hardness by 2340B, Dissolved	ug/L	<1000	5400	04/11/24 17:28	
Vanadium, Dissolved	ug/L	<2.6	10.0	04/11/24 17:28	
Zinc, Dissolved	ug/L	<11.6	40.0	04/11/24 17:28	

LABORATORY CONTROL SAMPLE: 2698400

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony, Dissolved	ug/L	250	253	101	80-120	
Arsenic, Dissolved	ug/L	250	247	99	80-120	
Barium, Dissolved	ug/L	250	262	105	80-120	
Beryllium, Dissolved	ug/L	250	263	105	80-120	
Cadmium, Dissolved	ug/L	250	263	105	80-120	
Chromium, Dissolved	ug/L	250	259	104	80-120	
Cobalt, Dissolved	ug/L	250	264	106	80-120	
Copper, Dissolved	ug/L	250	266	107	80-120	
Iron, Dissolved	ug/L	10000	10500	105	80-120	
Lead, Dissolved	ug/L	250	267	107	80-120	
Manganese, Dissolved	ug/L	250	268	107	80-120	
Nickel, Dissolved	ug/L	250	267	107	80-120	
Selenium, Dissolved	ug/L	250	265	106	80-120	
Silver, Dissolved	ug/L	125	131	104	80-120	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

LABORATORY CONTROL SAMPLE: 2698400

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium, Dissolved	ug/L	250	262	105	80-120	
Total Hardness by 2340B, Dissolved	ug/L		68400			
Vanadium, Dissolved	ug/L	250	264	106	80-120	
Zinc, Dissolved	ug/L	250	267	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698401 2698402

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453027 Result	Spike Conc.	Spike Conc.	MS Result								
Antimony, Dissolved	ug/L	<7.6	250	250	255	265	102	106	75-125	4	20		
Arsenic, Dissolved	ug/L	<8.3	250	250	250	253	99	100	75-125	1	20		
Barium, Dissolved	ug/L	144	250	250	395	410	100	106	75-125	4	20		
Beryllium, Dissolved	ug/L	<0.53	250	250	258	266	103	106	75-125	3	20		
Cadmium, Dissolved	ug/L	<1.3	250	250	261	269	104	108	75-125	3	20		
Chromium, Dissolved	ug/L	<2.5	250	250	256	262	102	105	75-125	2	20		
Cobalt, Dissolved	ug/L	<1.4	250	250	260	266	104	106	75-125	3	20		
Copper, Dissolved	ug/L	<3.4	250	250	264	271	106	109	75-125	3	20		
Iron, Dissolved	ug/L	1540	10000	10000	11800	12100	102	106	75-125	3	20		
Lead, Dissolved	ug/L	<5.9	250	250	260	267	104	107	75-125	3	20		
Manganese, Dissolved	ug/L	565	250	250	814	848	100	113	75-125	4	20		
Nickel, Dissolved	ug/L	<2.6	250	250	263	268	105	107	75-125	2	20		
Selenium, Dissolved	ug/L	<12.2	250	250	258	267	103	106	75-125	3	20		
Silver, Dissolved	ug/L	<3.2	125	125	129	133	103	106	75-125	3	20		
Thallium, Dissolved	ug/L	<10.0	250	250	250	259	100	104	75-125	3	20		
Total Hardness by 2340B, Dissolved	ug/L	438000			495000	521000				5	20		
Vanadium, Dissolved	ug/L	<2.6	250	250	265	271	106	108	75-125	2	20		
Zinc, Dissolved	ug/L	<11.6	250	250	261	266	104	106	75-125	2	20		

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471166	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453023, 40276453024, 40276453026, 40276453028, 40276453029

METHOD BLANK: 2698363 Matrix: Water

Associated Lab Samples: 40276453023, 40276453024, 40276453026, 40276453028, 40276453029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.30	1.0	04/12/24 09:03	
Ethylbenzene	ug/L	<0.33	1.0	04/12/24 09:03	
Styrene	ug/L	<0.36	1.0	04/12/24 09:03	
Toluene	ug/L	<0.29	1.0	04/12/24 09:03	
Xylene (Total)	ug/L	<1.0	3.0	04/12/24 09:03	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	04/12/24 09:03	
4-Bromofluorobenzene (S)	%	93	70-130	04/12/24 09:03	
Toluene-d8 (S)	%	100	70-130	04/12/24 09:03	

LABORATORY CONTROL SAMPLE: 2698364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	49.8	100	70-130	
Ethylbenzene	ug/L	50	51.2	102	80-125	
Styrene	ug/L	50	49.8	100	70-130	
Toluene	ug/L	50	49.6	99	80-120	
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2699545 2699546

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453023 Result	Spike Conc.	Spike Conc.	MS Result						
Benzene	ug/L	66.8	50	50	114	115	95	96	70-130	0	20
Ethylbenzene	ug/L	7.5	50	50	57.2	60.1	99	105	80-126	5	20
Styrene	ug/L	<0.36	50	50	47.9	51.4	96	103	70-133	7	20
Toluene	ug/L	2.8	50	50	50.2	53.2	95	101	80-121	6	20
Xylene (Total)	ug/L	9.7	150	150	154	165	96	104	70-130	7	20
1,2-Dichlorobenzene-d4 (S)	%						100	99	70-130		
4-Bromofluorobenzene (S)	%						95	94	70-130		
Toluene-d8 (S)	%						101	101	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471167 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453009, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020

METHOD BLANK: 2698365 Matrix: Water

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453009, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.30	1.0	04/10/24 14:30	
Ethylbenzene	ug/L	<0.33	1.0	04/10/24 14:30	
Styrene	ug/L	<0.36	1.0	04/10/24 14:30	
Toluene	ug/L	<0.29	1.0	04/10/24 14:30	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	04/10/24 14:30	
4-Bromofluorobenzene (S)	%	97	70-130	04/10/24 14:30	
Toluene-d8 (S)	%	101	70-130	04/10/24 14:30	

LABORATORY CONTROL SAMPLE: 2698366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	50.3	101	70-130	
Ethylbenzene	ug/L	50	48.6	97	80-125	
Styrene	ug/L	50	47.7	95	70-130	
Toluene	ug/L	50	48.5	97	80-120	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2699360 2699361

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453001 Result	Spike Conc.	Spike Conc.	Conc.								
Benzene	ug/L	<0.30	50	50	50	51.4	51.9	103	104	70-130	1	20	
Ethylbenzene	ug/L	<0.33	50	50	50	50.1	50.7	100	101	80-126	1	20	
Styrene	ug/L	<0.36	50	50	50	49.5	50.3	99	101	70-133	2	20	
Toluene	ug/L	<0.29	50	50	50	50.3	51.0	101	102	80-121	1	20	
1,2-Dichlorobenzene-d4 (S)	%							99	100	70-130			
4-Bromofluorobenzene (S)	%							100	101	70-130			
Toluene-d8 (S)	%							102	102	70-130			

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471168	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453021, 40276453022, 40276453025, 40276453027, 40276453030

METHOD BLANK: 2698367 Matrix: Water
 Associated Lab Samples: 40276453021, 40276453022, 40276453025, 40276453027, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.30	1.0	04/10/24 10:38	
Ethylbenzene	ug/L	<0.33	1.0	04/10/24 10:38	
Styrene	ug/L	<0.36	1.0	04/10/24 10:38	
Toluene	ug/L	<0.29	1.0	04/10/24 10:38	
Xylene (Total)	ug/L	<1.0	3.0	04/10/24 10:38	
1,2-Dichlorobenzene-d4 (S)	%	97	70-130	04/10/24 10:38	
4-Bromofluorobenzene (S)	%	99	70-130	04/10/24 10:38	
Toluene-d8 (S)	%	103	70-130	04/10/24 10:38	

LABORATORY CONTROL SAMPLE: 2698368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	51.5	103	70-130	
Ethylbenzene	ug/L	50	50.5	101	80-125	
Styrene	ug/L	50	52.5	105	70-130	
Toluene	ug/L	50	51.9	104	80-120	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			95	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698371 2698372

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453027	Spike Conc.	Spike Conc.	Result						
Benzene	ug/L	40.6	50	50	91.7	92.6	102	104	70-130	1	20
Ethylbenzene	ug/L	0.66J	50	50	52.5	51.7	104	102	80-126	1	20
Styrene	ug/L	0.56J	50	50	54.9	54.0	109	107	70-133	2	20
Toluene	ug/L	6.6	50	50	58.4	58.1	104	103	80-121	1	20
Xylene (Total)	ug/L	5.2	150	150	162	159	105	103	70-130	2	20
1,2-Dichlorobenzene-d4 (S)	%						98	100	70-130		
4-Bromofluorobenzene (S)	%						97	98	70-130		
Toluene-d8 (S)	%						102	101	70-130		

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471183	Analysis Method:	EPA 8015C Modified
QC Batch Method:	EPA 3510	Analysis Description:	8015C GCS
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453014, 40276453015, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453027, 40276453029		

METHOD BLANK:	2698436	Matrix:	Water
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453014, 40276453015, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453027, 40276453029		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C28-C36)	mg/L	<0.028	0.095	04/11/24 09:09	
TPH - Diesel (C10-C28)	mg/L	<0.028	0.095	04/11/24 09:09	
o-Terphenyl (S)	%	76	44-134	04/11/24 09:09	

LABORATORY CONTROL SAMPLE: 2698437						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C28-C36)	mg/L		<0.028			
TPH - Diesel (C10-C28)	mg/L	0.5	0.36	73	69-120	
o-Terphenyl (S)	%			90	44-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698438												2698439	
Parameter	Units	40276453027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
TPH (C28-C36)	mg/L	0.072J			0.053J	0.077J					20		
TPH - Diesel (C10-C28)	mg/L	0.23	0.48	0.48	0.29	0.39	13	34	69-120	29	20 M0		
o-Terphenyl (S)	%						45	58	44-134				

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471299	Analysis Method:	EPA 8015C Modified
QC Batch Method:	EPA 3510	Analysis Description:	8015C GCS
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453006, 40276453013, 40276453016, 40276453017, 40276453023, 40276453026, 40276453030

METHOD BLANK: 2698918 Matrix: Water
 Associated Lab Samples: 40276453006, 40276453013, 40276453016, 40276453017, 40276453023, 40276453026, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C28-C36)	mg/L	<0.028	0.095	04/16/24 07:54	
TPH - Diesel (C10-C28)	mg/L	0.039J	0.095	04/16/24 07:54	
o-Terphenyl (S)	%	80	44-134	04/16/24 07:54	

LABORATORY CONTROL SAMPLE: 2698920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C28-C36)	mg/L		<0.028			
TPH - Diesel (C10-C28)	mg/L	0.5	0.41	82	69-120	
o-Terphenyl (S)	%			93	44-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698921 2698922

Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C28-C36)	mg/L	0.19			0.16	0.17				7	20	
TPH - Diesel (C10-C28)	mg/L	0.87	0.48	0.48	1.1	0.97	44	20	69-120	11	20	M0
o-Terphenyl (S)	%						70	70	44-134			

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471070

Analysis Method: EPA 8270E by SIM

QC Batch Method: EPA 3510

Analysis Description: 8270E Water PAH

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453014, 40276453015, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453027, 40276453029

METHOD BLANK: 2698091

Matrix: Water

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453014, 40276453015, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453027, 40276453029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	<0.014	0.050	04/09/24 13:40	
Acenaphthylene	ug/L	<0.013	0.050	04/09/24 13:40	
Anthracene	ug/L	<0.018	0.050	04/09/24 13:40	
Benzo(a)anthracene	ug/L	<0.014	0.050	04/09/24 13:40	
Benzo(a)pyrene	ug/L	<0.013	0.050	04/09/24 13:40	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	04/09/24 13:40	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	04/09/24 13:40	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	04/09/24 13:40	
Chrysene	ug/L	<0.013	0.050	04/09/24 13:40	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	04/09/24 13:40	
Fluoranthene	ug/L	<0.026	0.050	04/09/24 13:40	
Fluorene	ug/L	<0.024	0.050	04/09/24 13:40	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	04/09/24 13:40	
Naphthalene	ug/L	<0.020	0.050	04/09/24 13:40	
Phenanthrene	ug/L	<0.026	0.050	04/09/24 13:40	
Pyrene	ug/L	<0.023	0.050	04/09/24 13:40	
2-Fluorobiphenyl (S)	%	64	38-120	04/09/24 13:40	
Terphenyl-d14 (S)	%	61	47-121	04/09/24 13:40	

LABORATORY CONTROL SAMPLE: 2698092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	2	1.3	64	60-120	
Acenaphthylene	ug/L	2	1.3	67	58-120	
Anthracene	ug/L	2	1.4	71	58-120	
Benzo(a)anthracene	ug/L	2	1.5	75	51-120	
Benzo(a)pyrene	ug/L	2	1.4	71	59-120	
Benzo(b)fluoranthene	ug/L	2	1.6	78	52-120	
Benzo(g,h,i)perylene	ug/L	2	1.5	76	62-120	
Benzo(k)fluoranthene	ug/L	2	1.4	71	59-120	
Chrysene	ug/L	2	1.4	72	55-125	
Dibenz(a,h)anthracene	ug/L	2	1.3	64	60-120	
Fluoranthene	ug/L	2	1.6	80	62-120	
Fluorene	ug/L	2	1.3	66	61-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.5	74	62-120	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

LABORATORY CONTROL SAMPLE: 2698092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	2	1.3	65	55-120	
Phenanthrene	ug/L	2	1.4	71	55-120	
Pyrene	ug/L	2	1.3	63	53-120	
2-Fluorobiphenyl (S)	%			60	38-120	
Terphenyl-d14 (S)	%			58	47-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698095 2698096

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453027 Result	Spike Conc.	Spike Conc.	MS Result						
Acenaphthene	ug/L	0.022J	2	2	1.3	1.3	65	66	52-120	1	20
Acenaphthylene	ug/L	<0.013	2	2	1.3	1.3	65	67	49-120	1	20
Anthracene	ug/L	<0.019	2	2	1.4	1.5	70	73	45-120	2	25
Benzo(a)anthracene	ug/L	<0.014	2	2	1.4	1.4	68	71	31-120	2	25
Benzo(a)pyrene	ug/L	<0.013	2	2	1.3	1.4	66	69	38-120	2	24
Benzo(b)fluoranthene	ug/L	<0.0093	2	2	1.4	1.5	71	73	36-120	2	24
Benzo(g,h,i)perylene	ug/L	<0.024	2	2	1.5	1.5	73	76	43-120	3	23
Benzo(k)fluoranthene	ug/L	<0.023	2	2	1.5	1.5	72	76	46-120	3	21
Chrysene	ug/L	<0.013	2	2	1.5	1.5	71	75	39-143	4	23
Dibenz(a,h)anthracene	ug/L	<0.018	2	2	1.4	1.4	68	71	32-125	3	22
Fluoranthene	ug/L	0.029J	2	2	1.7	1.7	81	84	56-120	2	21
Fluorene	ug/L	<0.024	2	2	1.4	1.4	67	69	45-120	1	20
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	2	2	1.5	1.5	74	78	42-120	3	23
Naphthalene	ug/L	0.14	2	2	1.6	1.4	70	64	50-120	10	23
Phenanthrene	ug/L	<0.026	2	2	1.5	1.5	73	75	47-120	2	21
Pyrene	ug/L	0.030J	2	2	1.3	1.4	64	66	47-120	1	23
2-Fluorobiphenyl (S)	%						57	60	38-120		
Terphenyl-d14 (S)	%						54	57	47-121		

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471209

Analysis Method: EPA 8270E by SIM

QC Batch Method: EPA 3510

Analysis Description: 8270E Water PAH

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453006, 40276453013, 40276453016, 40276453017, 40276453023, 40276453026, 40276453028, 40276453030

METHOD BLANK: 2698535

Matrix: Water

Associated Lab Samples: 40276453006, 40276453013, 40276453016, 40276453017, 40276453023, 40276453026, 40276453028, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	<0.014	0.050	04/09/24 13:58	
Acenaphthylene	ug/L	<0.013	0.050	04/09/24 13:58	
Anthracene	ug/L	<0.018	0.050	04/09/24 13:58	
Benzo(a)anthracene	ug/L	<0.014	0.050	04/09/24 13:58	
Benzo(a)pyrene	ug/L	<0.013	0.050	04/09/24 13:58	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	04/09/24 13:58	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	04/09/24 13:58	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	04/09/24 13:58	
Chrysene	ug/L	<0.013	0.050	04/09/24 13:58	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	04/09/24 13:58	
Fluoranthene	ug/L	<0.026	0.050	04/09/24 13:58	
Fluorene	ug/L	<0.024	0.050	04/09/24 13:58	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	04/09/24 13:58	
Naphthalene	ug/L	<0.020	0.050	04/09/24 13:58	
Phenanthrene	ug/L	<0.026	0.050	04/09/24 13:58	
Pyrene	ug/L	<0.023	0.050	04/09/24 13:58	
2-Fluorobiphenyl (S)	%	60	38-120	04/09/24 13:58	
Terphenyl-d14 (S)	%	59	47-121	04/09/24 13:58	

LABORATORY CONTROL SAMPLE: 2698536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	2	1.6	79	60-120	
Acenaphthylene	ug/L	2	1.6	81	58-120	
Anthracene	ug/L	2	1.7	86	58-120	
Benzo(a)anthracene	ug/L	2	1.8	89	51-120	
Benzo(a)pyrene	ug/L	2	1.7	86	59-120	
Benzo(b)fluoranthene	ug/L	2	1.9	93	52-120	
Benzo(g,h,i)perylene	ug/L	2	1.9	95	62-120	
Benzo(k)fluoranthene	ug/L	2	1.8	88	59-120	
Chrysene	ug/L	2	1.7	87	55-125	
Dibenz(a,h)anthracene	ug/L	2	1.9	93	60-120	
Fluoranthene	ug/L	2	1.9	95	62-120	
Fluorene	ug/L	2	1.6	81	61-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.8	89	62-120	
Naphthalene	ug/L	2	1.7	87	55-120	
Phenanthrene	ug/L	2	1.7	87	55-120	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

LABORATORY CONTROL SAMPLE: 2698536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	2	1.5	75	53-120	
2-Fluorobiphenyl (S)	%			70	38-120	
Terphenyl-d14 (S)	%			68	47-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698537 2698538

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453023 Result	Spike Conc.	Spike Conc.	Result								
Acenaphthene	ug/L	4.3	1.9	1.8	6.1	5.5	93	63	52-120	10	20		
Acenaphthylene	ug/L	0.78	1.9	1.8	2.2	2.0	72	64	49-120	10	20		
Anthracene	ug/L	0.18	1.9	1.8	1.5	1.4	69	64	45-120	10	25		
Benzo(a)anthracene	ug/L	0.038J	1.9	1.8	1.3	1.2	67	64	31-120	9	25		
Benzo(a)pyrene	ug/L	<0.026	1.9	1.8	1.3	1.2	69	63	38-120	13	24		
Benzo(b)fluoranthene	ug/L	0.019J	1.9	1.8	1.4	1.2	71	66	36-120	11	24		
Benzo(g,h,i)perylene	ug/L	<0.048	1.9	1.8	1.3	1.2	70	66	43-120	10	23		
Benzo(k)fluoranthene	ug/L	<0.046	1.9	1.8	1.4	1.3	71	69	46-120	7	21		
Chrysene	ug/L	0.028J	1.9	1.8	1.4	1.3	72	68	39-143	9	23		
Dibenz(a,h)anthracene	ug/L	<0.037	1.9	1.8	1.2	1.1	63	60	32-125	7	22		
Fluoranthene	ug/L	0.36	1.9	1.8	1.9	1.8	83	76	56-120	9	21		
Fluorene	ug/L	0.75	1.9	1.8	2.1	1.9	73	64	45-120	10	20		
Indeno(1,2,3-cd)pyrene	ug/L	<0.032	1.9	1.8	1.5	1.4	80	75	42-120	9	23		
Naphthalene	ug/L	20.5	1.9	1.8	27.1	23.6	347	166	50-120	14	23	M1	
Phenanthrene	ug/L	0.52	1.9	1.8	2.0	1.8	80	70	47-120	12	21		
Pyrene	ug/L	0.32	1.9	1.8	1.6	1.5	68	64	47-120	8	23		
2-Fluorobiphenyl (S)	%						64	57	38-120				
Terphenyl-d14 (S)	%						56	53	47-121				

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471781	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453019, 40276453020, 40276453022		

METHOD BLANK:	2701632	Matrix:	Water
Associated Lab Samples:	40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453019, 40276453020, 40276453022		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<5.0	10.0	04/16/24 10:02	

LABORATORY CONTROL SAMPLE:	2701633					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	200	199	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2701634			2701635								
Parameter	Units	40276453005 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	mg/L	449	200	200	553	610	52	80	80-120	10	20	M0

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471782 Analysis Method: SM 2320B
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Green Bay
 Associated Lab Samples: 40276453023, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

METHOD BLANK: 2701636 Matrix: Water
 Associated Lab Samples: 40276453023, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<5.0	10.0	04/16/24 14:40	

LABORATORY CONTROL SAMPLE: 2701637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	200	196	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2701638 2701639

Parameter	Units	40276453023 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	mg/L	402	200	200	519	546	59	72	80-120	5	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2701640 2701641

Parameter	Units	40276453027 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	mg/L	49.7	200	200	107	118	28	34	80-120	10	20	M0

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471886	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453001, 40276453002, 40276453018		

METHOD BLANK: 2702399 Matrix: Water

Associated Lab Samples: 40276453001, 40276453002, 40276453018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<5.0	10.0	04/17/24 09:41	

LABORATORY CONTROL SAMPLE: 2702400

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	500	495	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2702401 2702402

Parameter	Units	2702401		2702402		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40276453018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Alkalinity, Total as CaCO3	mg/L	2240	500	500	2690	2670	91	87	80-120	1	20	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471094	Analysis Method:	SM 4500-S F (2000)
QC Batch Method:	SM 4500-S F (2000)	Analysis Description:	4500S2F Sulfide, Iodometric
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453024, 40276453027, 40276453029		

METHOD BLANK: 2698180 Matrix: Water
 Associated Lab Samples: 40276453024, 40276453027, 40276453029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	04/08/24 12:04	

LABORATORY CONTROL SAMPLE: 2698181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	46.8	44.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698182 2698183

Parameter	Units	2698182		2698183		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Sulfide	mg/L	<1.2	46.8	49.2	47.6	105	102	80-120	3	10	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471130	Analysis Method:	SM 4500-S F (2000)
QC Batch Method:	SM 4500-S F (2000)	Analysis Description:	4500S2F Sulfide, Iodometric
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453010, 40276453011, 40276453023, 40276453025		

METHOD BLANK:	2698263	Matrix:	Water
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453010, 40276453011, 40276453023, 40276453025		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	04/08/24 15:39	

LABORATORY CONTROL SAMPLE: 2698264						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	49.6	46.4	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698267												2698268	
Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Sulfide	mg/L	<1.2	49.6	49.6	46.8	42.8	94	86	80-120	9	10		

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471163 Analysis Method: SM 4500-S F (2000)
 QC Batch Method: SM 4500-S F (2000) Analysis Description: 4500S2F Sulfide, Iodometric
 Laboratory: Pace Analytical Services - Green Bay
 Associated Lab Samples: 40276453006, 40276453007, 40276453008, 40276453012, 40276453013, 40276453014, 40276453015,
 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453026,
 40276453030

METHOD BLANK: 2698356 Matrix: Water
 Associated Lab Samples: 40276453006, 40276453007, 40276453008, 40276453012, 40276453013, 40276453014, 40276453015,
 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453026,
 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	04/08/24 19:00	

LABORATORY CONTROL SAMPLE: 2698357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	48.8	45.6	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698373 2698374

Parameter	Units	2698373		2698374		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40276453012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Sulfide	mg/L	<1.2	48.8	48.8	54.8	56.4	112	116	80-120	3	10	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471321

Analysis Method: SM 4500-S F (2000)

QC Batch Method: SM 4500-S F (2000)

Analysis Description: 4500S2F Sulfide, Iodometric

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453028

METHOD BLANK: 2699006

Matrix: Water

Associated Lab Samples: 40276453028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	04/10/24 11:18	

LABORATORY CONTROL SAMPLE & LCSD: 2699007

2699017

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	46	48.4	42.4	105	92	80-120	13	10	R1

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471510

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453001

METHOD BLANK: 2700380

Matrix: Water

Associated Lab Samples: 40276453001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	04/16/24 11:31	

LABORATORY CONTROL SAMPLE: 2700381

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.4	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2700382 2700383

Parameter	Units	40276259001		2700382		2700383		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS % Rec	MSD % Rec					
Sulfate	mg/L	584	400	400	400	1040	1070	114	122	90-110	3	15 M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2700384 2700385

Parameter	Units	40276453001		2700384		2700385		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS % Rec	MSD % Rec					
Sulfate	mg/L	474	400	400	400	991	996	129	131	90-110	1	15 M0

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471614	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453023		

METHOD BLANK:	2700955	Matrix:	Water
Associated Lab Samples:	40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453023		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	04/17/24 14:41	

LABORATORY CONTROL SAMPLE:	2700956					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.7	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2700957			2700958								
Parameter	Units	40276453002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	188	100	100	296	279	108	91	90-110	6	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2700959			2700960								
Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	141	100	100	245	240	103	99	90-110	2	15	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471615	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453024, 40276453025, 40276453026, 40276453027, 40276453029, 40276453030

METHOD BLANK: 2700961 Matrix: Water
 Associated Lab Samples: 40276453024, 40276453025, 40276453026, 40276453027, 40276453029, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	04/15/24 19:35	

LABORATORY CONTROL SAMPLE: 2700962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.8	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2700963 2700964

Parameter	Units	40276453027		2700964		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Sulfate	mg/L	80.7	200	200	310	287	115	103	90-110	8	15 M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2700965 2700966

Parameter	Units	40276699004		2700966		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Sulfate	mg/L	57.4	100	100	167	166	109	109	90-110	0	15

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471767	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453028

METHOD BLANK: 2701582 Matrix: Water
 Associated Lab Samples: 40276453028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	04/17/24 14:46	

LABORATORY CONTROL SAMPLE: 2701583

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.7	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2701584 2701585

Parameter	Units	2701584		2701585		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40276699015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Sulfate	mg/L	328	1000	1000	1420	1370	109	104	90-110	3	15	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471199	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, preserved
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008		

METHOD BLANK:	2698495	Matrix:	Water
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	04/10/24 07:43	

LABORATORY CONTROL SAMPLE: 2698496						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698497												2698498	
Parameter	Units	40276357001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Nitrogen, NO2 plus NO3	mg/L	0.48	2.5	2.5	2.9	3.0	97	99	90-110	2	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698499												2698500	
Parameter	Units	40276453008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	2.5	2.4	98	96	90-110	2	20		

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471201	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, preserved
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453023, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030		

METHOD BLANK:	2698505	Matrix:	Water
Associated Lab Samples:	40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453023, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	04/10/24 08:07	

LABORATORY CONTROL SAMPLE:	2698506					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.4	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2698507			2698508								
Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	2.4	2.4	97	94	90-110	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2698509			2698510								
Parameter	Units	40276453027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	2.5	2.5	99	97	90-110	2	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

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471170	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453023		

METHOD BLANK:	2698377	Matrix:	Water
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453023		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.19	0.50	04/09/24 06:05	

LABORATORY CONTROL SAMPLE:	2698378					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	12.1	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2698379			2698380								
Parameter	Units	40276453001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	5.8	6	6	11.4	11.6	94	97	80-120	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2698381			2698382								
Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	27.0	90	90	111	111	93	93	80-120	0	10	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471171	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453022, 40276453024, 40276453025, 40276453026, 40276453027, 40276453029, 40276453030		

METHOD BLANK:	2698383	Matrix:	Water
Associated Lab Samples:	40276453022, 40276453024, 40276453025, 40276453026, 40276453027, 40276453029, 40276453030		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.19	0.50	04/09/24 14:00	

LABORATORY CONTROL SAMPLE: 2698384						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	12.1	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698385												2698386	
Parameter	Units	40276453027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Total Organic Carbon	mg/L	6.7	36	36	39.2	39.2	90	90	80-120	0	10		

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QUALIFIERS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

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 - The reported result is an estimated value.

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 - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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.

SAMPLE QUALIFIERS

Sample: 40276453028

[1] Some tests were not able to be run on sample -028 due to lack of volume from the well.

BATCH QUALIFIERS

Batch: 471251

[1] The default spike range of the standard used for QC evaluation is C10-C28. All other carbon ranges may recover outside of spike limits because they may not cover the range of the spike used.

Batch: 471321

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 471330

[1] The default spike range of the standard used for QC evaluation is C10-C28. All other carbon ranges may recover outside of spike limits because they may not cover the range of the spike used.

ANALYTE QUALIFIERS

1q Sample was received with headspace.

2q The surrogate may have failed due to a matrix effect, as this sample formed a thick emulsion during extraction [not confirmed by re-extraction or re-analysis].

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

G+ Late peaks present outside the GRO window.

G- Early peaks present outside the GRO window.

GO Early and late peaks present outside the GRO window.

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QUALIFIERS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

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.

P4 Sample field preservation does not meet EPA or method recommendations for this analysis.

P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276453001	MGP-MW-1-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453002	MGP-MW-2-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453003	MGP-MW-4B-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453004	MGP-MW-5-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453005	MGP-MW-3B-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453006	MGP-MW-9-24Q1	EPA 3510	471299	EPA 8015C Modified	471330
40276453007	MGP-MW-10-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453008	MGP-MW-11-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453010	MGP-MW-FD-1	EPA 3510	471183	EPA 8015C Modified	471251
40276453011	MGP-MW-12-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453012	MGP-MW-13-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453013	MGP-MW-14-24Q1	EPA 3510	471299	EPA 8015C Modified	471330
40276453014	MGP-MW-15-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453015	MGP-MW-16-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453016	MGP-MW-17-24Q1	EPA 3510	471299	EPA 8015C Modified	471330
40276453017	MGP-MW-21-24Q1	EPA 3510	471299	EPA 8015C Modified	471330
40276453018	MGP-MW-22-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453019	MGP-MW-29-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453020	MGP-MW-28-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453022	MGP-MW-FD-2	EPA 3510	471183	EPA 8015C Modified	471251
40276453023	MGP-MW-20R-24Q1	EPA 3510	471299	EPA 8015C Modified	471330
40276453024	MGP-MW-6R-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453025	MGP-MW-7R-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453026	MGP-MW-8R-24Q1	EPA 3510	471299	EPA 8015C Modified	471330
40276453027	MGP-MW-27-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453029	MGP-MW-31-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453030	MGP-MW-FD-3	EPA 3510	471299	EPA 8015C Modified	471330
40276453001	MGP-MW-1-24Q1	EPA 8015B Modified	471513		
40276453002	MGP-MW-2-24Q1	EPA 8015B Modified	471513		
40276453003	MGP-MW-4B-24Q1	EPA 8015B Modified	471513		
40276453004	MGP-MW-5-24Q1	EPA 8015B Modified	471513		
40276453005	MGP-MW-3B-24Q1	EPA 8015B Modified	471746		
40276453006	MGP-MW-9-24Q1	EPA 8015B Modified	471746		
40276453007	MGP-MW-10-24Q1	EPA 8015B Modified	471746		
40276453008	MGP-MW-11-24Q1	EPA 8015B Modified	471746		
40276453010	MGP-MW-FD-1	EPA 8015B Modified	471746		
40276453011	MGP-MW-12-24Q1	EPA 8015B Modified	471746		
40276453012	MGP-MW-13-24Q1	EPA 8015B Modified	471746		
40276453013	MGP-MW-14-24Q1	EPA 8015B Modified	471746		
40276453014	MGP-MW-15-24Q1	EPA 8015B Modified	471746		
40276453015	MGP-MW-16-24Q1	EPA 8015B Modified	471746		
40276453016	MGP-MW-17-24Q1	EPA 8015B Modified	471746		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276453017	MGP-MW-21-24Q1	EPA 8015B Modified	471746		
40276453018	MGP-MW-22-24Q1	EPA 8015B Modified	471746		
40276453019	MGP-MW-29-24Q1	EPA 8015B Modified	471746		
40276453020	MGP-MW-28-24Q1	EPA 8015B Modified	471746		
40276453022	MGP-MW-FD-2	EPA 8015B Modified	471746		
40276453023	MGP-MW-20R-24Q1	EPA 8015B Modified	471856		
40276453024	MGP-MW-6R-24Q1	EPA 8015B Modified	471746		
40276453025	MGP-MW-7R-24Q1	EPA 8015B Modified	471746		
40276453026	MGP-MW-8R-24Q1	EPA 8015B Modified	471856		
40276453027	MGP-MW-27-24Q1	EPA 8015B Modified	471746		
40276453028	MGP-MW-30-24Q1	EPA 8015B Modified	471856		
40276453029	MGP-MW-31-24Q1	EPA 8015B Modified	471746		
40276453030	MGP-MW-FD-3	EPA 8015B Modified	471856		
40276453001	MGP-MW-1-24Q1	WI MOD GRO	471034		
40276453002	MGP-MW-2-24Q1	WI MOD GRO	471034		
40276453003	MGP-MW-4B-24Q1	WI MOD GRO	471034		
40276453004	MGP-MW-5-24Q1	WI MOD GRO	471034		
40276453005	MGP-MW-3B-24Q1	WI MOD GRO	471034		
40276453006	MGP-MW-9-24Q1	WI MOD GRO	471034		
40276453007	MGP-MW-10-24Q1	WI MOD GRO	471034		
40276453008	MGP-MW-11-24Q1	WI MOD GRO	471034		
40276453009	MGP-MW-TB-1	WI MOD GRO	471034		
40276453010	MGP-MW-FD-1	WI MOD GRO	471034		
40276453011	MGP-MW-12-24Q1	WI MOD GRO	471034		
40276453012	MGP-MW-13-24Q1	WI MOD GRO	471034		
40276453013	MGP-MW-14-24Q1	WI MOD GRO	471034		
40276453014	MGP-MW-15-24Q1	WI MOD GRO	471034		
40276453015	MGP-MW-16-24Q1	WI MOD GRO	471294		
40276453016	MGP-MW-17-24Q1	WI MOD GRO	471294		
40276453017	MGP-MW-21-24Q1	WI MOD GRO	471294		
40276453018	MGP-MW-22-24Q1	WI MOD GRO	471294		
40276453019	MGP-MW-29-24Q1	WI MOD GRO	471294		
40276453020	MGP-MW-28-24Q1	WI MOD GRO	471294		
40276453021	MGP-MW-TB-2	WI MOD GRO	471294		
40276453022	MGP-MW-FD-2	WI MOD GRO	471294		
40276453023	MGP-MW-20R-24Q1	WI MOD GRO	471294		
40276453024	MGP-MW-6R-24Q1	WI MOD GRO	471294		
40276453025	MGP-MW-7R-24Q1	WI MOD GRO	471294		
40276453026	MGP-MW-8R-24Q1	WI MOD GRO	471294		
40276453027	MGP-MW-27-24Q1	WI MOD GRO	471294		
40276453028	MGP-MW-30-24Q1	WI MOD GRO	471294		
40276453029	MGP-MW-31-24Q1	WI MOD GRO	471294		
40276453030	MGP-MW-FD-3	WI MOD GRO	471294		
40276453001	MGP-MW-1-24Q1	EPA 3010A	471175	EPA 6010D	471267

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Table with 6 columns: Lab ID, Sample ID, QC Batch Method, QC Batch, Analytical Method, Analytical Batch. It lists various sample IDs and their corresponding QC and analytical data.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276453004	MGP-MW-5-24Q1	EPA 8260	471167		
40276453005	MGP-MW-3B-24Q1	EPA 8260	471167		
40276453006	MGP-MW-9-24Q1	EPA 8260	471167		
40276453007	MGP-MW-10-24Q1	EPA 8260	471167		
40276453008	MGP-MW-11-24Q1	EPA 8260	471167		
40276453009	MGP-MW-TB-1	EPA 8260	471167		
40276453010	MGP-MW-FD-1	EPA 8260	471167		
40276453011	MGP-MW-12-24Q1	EPA 8260	471167		
40276453012	MGP-MW-13-24Q1	EPA 8260	471167		
40276453013	MGP-MW-14-24Q1	EPA 8260	471167		
40276453014	MGP-MW-15-24Q1	EPA 8260	471167		
40276453015	MGP-MW-16-24Q1	EPA 8260	471167		
40276453016	MGP-MW-17-24Q1	EPA 8260	471167		
40276453017	MGP-MW-21-24Q1	EPA 8260	471167		
40276453018	MGP-MW-22-24Q1	EPA 8260	471167		
40276453019	MGP-MW-29-24Q1	EPA 8260	471167		
40276453020	MGP-MW-28-24Q1	EPA 8260	471167		
40276453021	MGP-MW-TB-2	EPA 8260	471168		
40276453022	MGP-MW-FD-2	EPA 8260	471168		
40276453023	MGP-MW-20R-24Q1	EPA 8260	471166		
40276453024	MGP-MW-6R-24Q1	EPA 8260	471166		
40276453025	MGP-MW-7R-24Q1	EPA 8260	471168		
40276453026	MGP-MW-8R-24Q1	EPA 8260	471166		
40276453027	MGP-MW-27-24Q1	EPA 8260	471168		
40276453028	MGP-MW-30-24Q1	EPA 8260	471166		
40276453029	MGP-MW-31-24Q1	EPA 8260	471166		
40276453030	MGP-MW-FD-3	EPA 8260	471168		
40276453001	MGP-MW-1-24Q1	SM 2320B	471886		
40276453002	MGP-MW-2-24Q1	SM 2320B	471886		
40276453003	MGP-MW-4B-24Q1	SM 2320B	471781		
40276453004	MGP-MW-5-24Q1	SM 2320B	471781		
40276453005	MGP-MW-3B-24Q1	SM 2320B	471781		
40276453006	MGP-MW-9-24Q1	SM 2320B	471781		
40276453007	MGP-MW-10-24Q1	SM 2320B	471781		
40276453008	MGP-MW-11-24Q1	SM 2320B	471781		
40276453010	MGP-MW-FD-1	SM 2320B	471781		
40276453011	MGP-MW-12-24Q1	SM 2320B	471781		
40276453012	MGP-MW-13-24Q1	SM 2320B	471781		
40276453013	MGP-MW-14-24Q1	SM 2320B	471781		
40276453014	MGP-MW-15-24Q1	SM 2320B	471781		
40276453015	MGP-MW-16-24Q1	SM 2320B	471781		
40276453016	MGP-MW-17-24Q1	SM 2320B	471781		
40276453017	MGP-MW-21-24Q1	SM 2320B	471781		
40276453018	MGP-MW-22-24Q1	SM 2320B	471886		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276453019	MGP-MW-29-24Q1	SM 2320B	471781		
40276453020	MGP-MW-28-24Q1	SM 2320B	471781		
40276453022	MGP-MW-FD-2	SM 2320B	471781		
40276453023	MGP-MW-20R-24Q1	SM 2320B	471782		
40276453024	MGP-MW-6R-24Q1	SM 2320B	471782		
40276453025	MGP-MW-7R-24Q1	SM 2320B	471782		
40276453026	MGP-MW-8R-24Q1	SM 2320B	471782		
40276453027	MGP-MW-27-24Q1	SM 2320B	471782		
40276453028	MGP-MW-30-24Q1	SM 2320B	471782		
40276453029	MGP-MW-31-24Q1	SM 2320B	471782		
40276453030	MGP-MW-FD-3	SM 2320B	471782		
40276453001	MGP-MW-1-24Q1	SM 4500-S F (2000)	471130		
40276453002	MGP-MW-2-24Q1	SM 4500-S F (2000)	471130		
40276453003	MGP-MW-4B-24Q1	SM 4500-S F (2000)	471130		
40276453004	MGP-MW-5-24Q1	SM 4500-S F (2000)	471130		
40276453005	MGP-MW-3B-24Q1	SM 4500-S F (2000)	471130		
40276453006	MGP-MW-9-24Q1	SM 4500-S F (2000)	471163		
40276453007	MGP-MW-10-24Q1	SM 4500-S F (2000)	471163		
40276453008	MGP-MW-11-24Q1	SM 4500-S F (2000)	471163		
40276453010	MGP-MW-FD-1	SM 4500-S F (2000)	471130		
40276453011	MGP-MW-12-24Q1	SM 4500-S F (2000)	471130		
40276453012	MGP-MW-13-24Q1	SM 4500-S F (2000)	471163		
40276453013	MGP-MW-14-24Q1	SM 4500-S F (2000)	471163		
40276453014	MGP-MW-15-24Q1	SM 4500-S F (2000)	471163		
40276453015	MGP-MW-16-24Q1	SM 4500-S F (2000)	471163		
40276453016	MGP-MW-17-24Q1	SM 4500-S F (2000)	471163		
40276453017	MGP-MW-21-24Q1	SM 4500-S F (2000)	471163		
40276453018	MGP-MW-22-24Q1	SM 4500-S F (2000)	471163		
40276453019	MGP-MW-29-24Q1	SM 4500-S F (2000)	471163		
40276453020	MGP-MW-28-24Q1	SM 4500-S F (2000)	471163		
40276453022	MGP-MW-FD-2	SM 4500-S F (2000)	471163		
40276453023	MGP-MW-20R-24Q1	SM 4500-S F (2000)	471130		
40276453024	MGP-MW-6R-24Q1	SM 4500-S F (2000)	471094		
40276453025	MGP-MW-7R-24Q1	SM 4500-S F (2000)	471130		
40276453026	MGP-MW-8R-24Q1	SM 4500-S F (2000)	471163		
40276453027	MGP-MW-27-24Q1	SM 4500-S F (2000)	471094		
40276453028	MGP-MW-30-24Q1	SM 4500-S F (2000)	471321		
40276453029	MGP-MW-31-24Q1	SM 4500-S F (2000)	471094		
40276453030	MGP-MW-FD-3	SM 4500-S F (2000)	471163		
40276453001	MGP-MW-1-24Q1	EPA 300.0	471510		
40276453002	MGP-MW-2-24Q1	EPA 300.0	471614		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276453003	MGP-MW-4B-24Q1	EPA 300.0	471614		
40276453004	MGP-MW-5-24Q1	EPA 300.0	471614		
40276453005	MGP-MW-3B-24Q1	EPA 300.0	471614		
40276453006	MGP-MW-9-24Q1	EPA 300.0	471614		
40276453007	MGP-MW-10-24Q1	EPA 300.0	471614		
40276453008	MGP-MW-11-24Q1	EPA 300.0	471614		
40276453010	MGP-MW-FD-1	EPA 300.0	471614		
40276453011	MGP-MW-12-24Q1	EPA 300.0	471614		
40276453012	MGP-MW-13-24Q1	EPA 300.0	471614		
40276453013	MGP-MW-14-24Q1	EPA 300.0	471614		
40276453014	MGP-MW-15-24Q1	EPA 300.0	471614		
40276453015	MGP-MW-16-24Q1	EPA 300.0	471614		
40276453016	MGP-MW-17-24Q1	EPA 300.0	471614		
40276453017	MGP-MW-21-24Q1	EPA 300.0	471614		
40276453018	MGP-MW-22-24Q1	EPA 300.0	471614		
40276453019	MGP-MW-29-24Q1	EPA 300.0	471614		
40276453020	MGP-MW-28-24Q1	EPA 300.0	471614		
40276453022	MGP-MW-FD-2	EPA 300.0	471614		
40276453023	MGP-MW-20R-24Q1	EPA 300.0	471614		
40276453024	MGP-MW-6R-24Q1	EPA 300.0	471615		
40276453025	MGP-MW-7R-24Q1	EPA 300.0	471615		
40276453026	MGP-MW-8R-24Q1	EPA 300.0	471615		
40276453027	MGP-MW-27-24Q1	EPA 300.0	471615		
40276453028	MGP-MW-30-24Q1	EPA 300.0	471767		
40276453029	MGP-MW-31-24Q1	EPA 300.0	471615		
40276453030	MGP-MW-FD-3	EPA 300.0	471615		
40276453001	MGP-MW-1-24Q1	EPA 353.2	471199		
40276453002	MGP-MW-2-24Q1	EPA 353.2	471199		
40276453003	MGP-MW-4B-24Q1	EPA 353.2	471199		
40276453004	MGP-MW-5-24Q1	EPA 353.2	471199		
40276453005	MGP-MW-3B-24Q1	EPA 353.2	471199		
40276453006	MGP-MW-9-24Q1	EPA 353.2	471199		
40276453007	MGP-MW-10-24Q1	EPA 353.2	471199		
40276453008	MGP-MW-11-24Q1	EPA 353.2	471199		
40276453010	MGP-MW-FD-1	EPA 353.2	471201		
40276453011	MGP-MW-12-24Q1	EPA 353.2	471201		
40276453012	MGP-MW-13-24Q1	EPA 353.2	471201		
40276453013	MGP-MW-14-24Q1	EPA 353.2	471201		
40276453014	MGP-MW-15-24Q1	EPA 353.2	471201		
40276453015	MGP-MW-16-24Q1	EPA 353.2	471201		
40276453016	MGP-MW-17-24Q1	EPA 353.2	471201		
40276453017	MGP-MW-21-24Q1	EPA 353.2	471201		
40276453018	MGP-MW-22-24Q1	EPA 353.2	471201		
40276453019	MGP-MW-29-24Q1	EPA 353.2	471201		
40276453020	MGP-MW-28-24Q1	EPA 353.2	471201		
40276453022	MGP-MW-FD-2	EPA 353.2	471201		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276453023	MGP-MW-20R-24Q1	EPA 353.2	471201		
40276453024	MGP-MW-6R-24Q1	EPA 353.2	471201		
40276453025	MGP-MW-7R-24Q1	EPA 353.2	471201		
40276453026	MGP-MW-8R-24Q1	EPA 353.2	471201		
40276453027	MGP-MW-27-24Q1	EPA 353.2	471201		
40276453028	MGP-MW-30-24Q1	EPA 353.2	471201		
40276453029	MGP-MW-31-24Q1	EPA 353.2	471201		
40276453030	MGP-MW-FD-3	EPA 353.2	471201		
40276453001	MGP-MW-1-24Q1	SM 5310C	471170		
40276453002	MGP-MW-2-24Q1	SM 5310C	471170		
40276453003	MGP-MW-4B-24Q1	SM 5310C	471170		
40276453004	MGP-MW-5-24Q1	SM 5310C	471170		
40276453005	MGP-MW-3B-24Q1	SM 5310C	471170		
40276453006	MGP-MW-9-24Q1	SM 5310C	471170		
40276453007	MGP-MW-10-24Q1	SM 5310C	471170		
40276453008	MGP-MW-11-24Q1	SM 5310C	471170		
40276453010	MGP-MW-FD-1	SM 5310C	471170		
40276453011	MGP-MW-12-24Q1	SM 5310C	471170		
40276453012	MGP-MW-13-24Q1	SM 5310C	471170		
40276453013	MGP-MW-14-24Q1	SM 5310C	471170		
40276453014	MGP-MW-15-24Q1	SM 5310C	471170		
40276453015	MGP-MW-16-24Q1	SM 5310C	471170		
40276453016	MGP-MW-17-24Q1	SM 5310C	471170		
40276453017	MGP-MW-21-24Q1	SM 5310C	471170		
40276453018	MGP-MW-22-24Q1	SM 5310C	471170		
40276453019	MGP-MW-29-24Q1	SM 5310C	471170		
40276453020	MGP-MW-28-24Q1	SM 5310C	471170		
40276453022	MGP-MW-FD-2	SM 5310C	471171		
40276453023	MGP-MW-20R-24Q1	SM 5310C	471170		
40276453024	MGP-MW-6R-24Q1	SM 5310C	471171		
40276453025	MGP-MW-7R-24Q1	SM 5310C	471171		
40276453026	MGP-MW-8R-24Q1	SM 5310C	471171		
40276453027	MGP-MW-27-24Q1	SM 5310C	471171		
40276453029	MGP-MW-31-24Q1	SM 5310C	471171		
40276453030	MGP-MW-FD-3	SM 5310C	471171		

REPORT OF LABORATORY ANALYSIS

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40276453

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 3

COC Number: GW_20240405-1

Company: Foth	Report To: Jill Dekart (jill.dekart@foth.com)	Requested Due Date:	Quote Reference: 158012
Address: 2121 Innovation Court, Suite 100 De Pere, WI 54115-5095	Copy To: Hannah Possehl (hannah.possehl@foth.com); Scott Barton (scott.barton@foth.com)	*TAT: Standard - 10 days	Project Manager: Pace - Tod.notlemeyer@pacelabs.com; Foth - Steve Krul - steve.krul@foth.com
Phone: 414-336-7900 Fax: (920) 497-8516	Invoice To: Steve Krul		Project Task Code: 24Q1_LongTerm Monitoring
Email Address: jill.dekart@foth.com	P.O. IE-P00002448		Pace Profile #:
Site License No :	Project Name: Superior Water Light & Power	Regulatory Agency:	Sampling Team Members: John Kamps
	Project Number: 18S024	State Location: WI	

ITEM NUMBER	SAMPLE ID* = MGP-MW-XXX-YYQZ, where "XXX" is well name" EX. MGP-MW-XXX- YR+Q+#	Valid Matrix Codes		DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives										Requested Analysis										REMARKS / Lab ID		
		Matrix	Code			# Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH & Zinc Acetate	Methanol	VOCs (SM 8260)	PAHs (8270)	TPH-DRO (C10-C28)/ORO (28-C36) (EPA 8015M)	TPH-GRO (WJ-GRO)	Sulfate (EPA 300.0)	Total Alkalinity (SM 2320B)	Dissolved Metals (EPA 601.0B)	Hardness, Total (CaCO3) (SM 2340B)	Dissolved Mercury (EPA 7470)	Dissolved Methane (EPA 8015M)	Sulfide (SM 4500-S2)	Nitrite-Nitrate (EPA 300)	Total Organic Carbon (EPA 9060)			
		SO	SE			WS	WW	WG	AA	X	G = Grab C = Composite	N	N	N	N	N	Y	Y	N	N	N	N	Filtered (Y/N)					
1	MGP-MW-1-24Q1	WG	G	4/3/2024	1247	17	3	2	1	10	1			X	X	X	X	X	X	X	X	X	X	X	X	X	X	0021
2	MGP-MW-2-24Q1	WG	G	4/3/2024	1045	17	3	2	1	10	1			X	X	X	X	X	X	X	X	X	X	X	X	X	X	002
3	MGP-MW-4B-24Q1	WG	G	4/3/2024	1438	17	3	2	1	10	1			X	X	X	X	X	X	X	X	X	X	X	X	X	X	003
4	MGP-MW-5-24Q1	WG	G	4/3/2024	0756	17	3	2	1	10	1			X	X	X	X	X	X	X	X	X	X	X	X	X	X	004
5	MGP-MW-3B-24Q2	WG	G	4/3/2024	0908	17	3	2	1	10	1			X	X	X	X	X	X	X	X	X	X	X	X	X	X	005
6	MGP-MW-9-24Q2	WG	G	4/5/2024	1342	17	3	2	1	10	1			X	X	X	X	X	X	X	X	X	X	X	X	X	X	Hot !! 006
7	MGP-MW-10-24Q2	WG	G	4/4/2024	1350	17	3	2	1	10	1			X	X	X	X	X	X	X	X	X	X	X	X	X	X	007
8	MGP-MW-11-24Q2	WG	G	4/4/2024	1804	17	3	2	1	10	1			X	X	X	X	X	X	X	X	X	X	X	X	X	X	008
9	MGP-MW-TB-1	WDI	G	4/5/2024	1200	2								X			X											009
10	MGP-MW-FD-1	WG	G	4/3/2024	-	17	3	2	1	10	1			X	X	X	X	X	X	X	X	X	X	X	X	X	X	010

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			12		John Kamps / FOTH	4/5/24	1700			

SAMPLE CONDITION: Temp in C, Received on Ice Y/N, Sealed Cooler Y/N, Sample Intact Y/N

SAMPLE NOTES: Metals include: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, nickel, selenium, silver, thallium, vanadium, and zinc.

SAMPLER NAME AND SIGNATURE: John Kamps

PRINT Name of SAMPLER: John Kamps

SIGNATURE of SAMPLER: [Signature]

DATE Signed: 4/5/24



40276453

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 3 **COC Number:** GW_20240405-1

Company: Foth	Report To: Jill Dekart (jill.dekart@foth.com)	Requested Due Date:	Quote Reference: 158012
Address: 2121 Innovation Court, Suite 100 De Pere, WI 54115-5095	Copy To: Hannah Possehl (hannah.possehl@foth.com); Scott Barton (scott.barton@foth.com)	*TAT: Standard - 10 days	Project Manager: Pace - Tod.notlemeyer@pacelabs.com; Foth - Steve Krul - steve.krul@foth.com
Phone: 414-336-7900 Fax: (920) 497-8516	Invoice To: Steve Krul		Project Task Code: 24Q1_LongTerm Monitoring
Email Address: jill.dekart@foth.com	P.O. IE-P00002448		Pace Profile #:
Site License No :	Project Name: Superior Water Light & Power	Regulatory Agency:	Sampling Team Members: John Kamps
	Project Number: 18S024	State Location: WI	

ITEM NUMBER	SAMPLE ID* = MGP-MW-XXX-YYQZ, where "XXX is well name" EX. MGP-MW-XXX- YR+Q+ #	Valid Matrix Codes		DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives										Requested Analysis										REMARKS / Lab ID				
		Matrix	Code			# Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH & Zinc Acetate	Na2S2O3	Methanol	VOCs (SW 8260)	PAHs (8270)	TPH-DRO (C10-C28)/ ORO (28-C36) (EPA 8015M)	TPH-GRO (WJ-GRO)	Sulfate (EPA 300.0)	Total Alkalinity (SM 2320B)	Dissolved Metals (EPA 601.0B)	Hardness , Total (CaCO3) (SM 2340B)	Dissolved Mercury (EPA 7470)	Dissolved Methane (EPA 8015M)	Sulfide (SM 4500-S2)	Nitrite+Nitrate (EPA 300)		Total Organic Carbon (EPA 9060)			
1	MGP-MW-12-24Q1	WG	G	4/3/2024	1727	17	3	2	1	10	1			X	X	X	X	X	X	X	X									011
2	MGP-MW-13-24Q1	WG	G	4/4/2024	0912	17	3	2	1	10	1			X	X	X	X	X	X	X	X									012
3	MGP-MW-14-24Q1	WG	G	4/5/24	0851	17	3	2	1	10	1			X	X	X	X	X	X	X	X									013
4	MGP-MW-15-24Q1	WG	G	4/4/2024	1603	17	3	2	1	10	1			X	X	X	X	X	X	X	X									014
5	MGP-MW-16-24Q1	WG	G	4/4/2024	1706	17	3	2	1	10	1			X	X	X	X	X	X	X	X									015
6	MGP-MW-17-24Q1	WG	G	4/5/24	1138	17	3	2	1	10	1			X	X	X	X	X	X	X	X									016
7	MGP-MW-21-24Q1	WG	G	4/5/24	1029	17	3	2	1	10	1			X	X	X	X	X	X	X	X									017
8	MGP-MW-22-24Q1	WG	G	4/4/2024	1031	17	3	2	1	10	1			X	X	X	X	X	X	X	X									018
9	MGP-MW-29-24Q1	WG	G	4/4/2024	1249	17	3	2	1	10	1			X	X	X	X	X	X	X	X									019
10	MGP-MW-28-24Q1	WG	G	4/4/2024	1445	17	3	2	1	10	1			X	X	X	X	X	X	X	X									020
11	MGP-MW-TB-2	WDI	G	4/5/24	1200	2								X			X													021
12	MGP-MW-FD-2	WG	G	4/4/2024	-	17	3	2	1	10	1			X	X	X	X	X	X	X	X									022

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
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12

John Kamps / FOTH

Feder

4/5/24 1700

4/16/24 0850

S. of Pace

4/16/24 0850

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: John Kamps

SIGNATURE of SAMPLER: *John Kamps*

DATE Signed: 4/5/24

40276453



CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 3

COC Number: GW_20240405-1

Company: Foth	Report To: Jill Dekart (jill.dekart@foth.com)	Requested Due Date:	Quote Reference: 158012
Address: 2121 Innovation Court, Suite 100 De Pere, WI 54115-5095	Copy To: Hannah Possehl (hannah.possehl@foth.com); Scott Barton (scott.barton@foth.com)	*TAT: Standard - 10 days	Project Manager: Pace - Tod.notlemeyer@pacelabs.com; Foth - Steve Krul - steve.krul@foth.com
Phone: 414-336-7900 Fax: (920) 497-8516	Invoice To: Steve Krul		Project Task Code: 24Q1_LongTerm Monitoring
Email Address: jill.dekart@foth.com	P.O. IE-P00002448		Peace Profile #:
Site License No.:	Project Name: Superior Water Light & Power	Regulatory Agency:	Sampling Team Members: John Kamps
	Project Number: 18S024	State Location: WI	

ITEM NUMBER	Valid Matrix Codes Matrix Code Soil SO Sediment SE Surface Water WS Wastewater WW Groundwater WG Ambient Air AA Other X	MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	# Containers	Preservatives										Requested Analysis										REMARKS / Lab ID																
																	N	N	N	N	N	Y	Y			N		N	N	N													
							Unpreserved	H2SO4	HNO3	HCl	NaOH & Zinc Acetate	Na2S2O3	Methanol	VOCs (SW 8260)	PAHs (8270)	TPH+ORO (C10-C28)/ ORO (28-C36) (EPA 8015M)	TPH-GRO (WH-GRO)	Sulfate (EPA 300 0)	Total Alkalinity (SM 2320B)	Dissolved Metals (EPA 6010B)	Hardness, Total (CaCO3) (SM 2340B)	Dissolved Mercury (EPA 7470)	Dissolved Methane (EPA 8015M)	Sulfide (SM 4500-S2)	Nitrite-Nitrate (EPA 300)	Total Organic Carbon (EPA 9060)		Filtered (Y/N)															
1	MGP-MW-20R-24Q1	WG	G	4/3/2024	1606	35	3	6	4	2	2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		MS/MSD-2 023	
2	MGP-MW-6R-24Q1	WG	G	4/2/2024	1959	17	3	6	2	1	1							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		MS/MSD-1 024	
3	MGP-MW-7R-24Q1	WG	G	4/3/2024	1846	17	3	4	2	1	1							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		025	
4	MGP-MW-8R-24Q1	WG	G	4/4/2024	0741	17	3	4	2	1	1							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		026
5	MGP-MW-27-24Q1	WG	G	4/2/2024	1701	35	3	6	4	2	2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		MS/MSD-1 027	
6	MGP-MW-30-24Q1	WG	G	4/5/2024	0730	17	3	3	1	1	1							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		028	
7	MGP-MW-31-24Q1	WG	G	4/2/2024	1844	17	3	2	1	1	1							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		029	
8	MGP-MW-FD-3	WG	G	4/5/24	—	17	3	2	1	1	1							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		030	

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			12		John Kamps / FOTH	4/5/24	1700			

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:

Metals include: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, nickel, selenium, silver, thallium, vanadium, and zinc.

MS/MSD-1 from sample MGP-MW-27-24Q1

MS/MSD-2 from sample MGP-MW-20R-24Q1

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: John Kamps

SIGNATURE of SAMPLER: [Signature]

DATE Signed: 4/5/24

Additional Comments:

Client Name: Fork

Sample Preservation Receipt Form

Project # 402216453

All containers needing preservation have been checked and noted below

Yes No N/A

Lab Lot# of pH paper: 1000134

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

Initial when completed: SL Date/Time:

Page 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																9																						2.5 / 5
002																9																						2.5 / 5
003																9																						2.5 / 5
004																9																						2.5 / 5
005																9																						2.5 / 5
006																9																						2.5 / 5
007																9																						2.5 / 5
008																9																						2.5 / 5
009																2																						2.5 / 5
010																9																						2.5 / 5
011																9																						2.5 / 5
012																9																						2.5 / 5
013																9																						2.5 / 5
014																9																						2.5 / 5
015																9																						2.5 / 5
016																9																						2.5 / 5
017																9																						2.5 / 5
018																9																						2.5 / 5
019																9																						2.5 / 5
020																9																						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

Client Name: Folk

Sample Preservation Receipt Form

Project #: 40216453


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	JG9U	JG9U	WGFU								WPFU	SP5T	ZPLC	GN 1	GN 2						
021																2																							2.5 / 5	
022			1	1	2											9																							2.5 / 5	
023			3	3	2			2		2	2	2				15																								2.5 / 5
024					2			2								9																								2.5 / 5
025					2											9																								2.5 / 5
026					2											9																								2.5 / 5
027			3	3	2			2		2	2	2				15																								2.5 / 5
028	4/16/248		1	1	2							4/16/248				9																								2.5 / 5
029					2											9																								2.5 / 5
030					2											9																								2.5 / 5
031																																								2.5 / 5
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045																																								2.5 / 5
046																																								2.5 / 5
047																																								2.5 / 5
048																																								2.5 / 5

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Foth

WO#: 40276453



40276453

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

Tracking #: 27307419 9170

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-139 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr. 0.0 / Corr. 0.0

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 4/6/04 / Initials: SG
 Labeled By Initials: _____

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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>517</u>		

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 logir

Foth Infrastructure Solutions

Sample Delivery Group: L1730244
Samples Received: 04/27/2024
Project Number:
Description: Superior Light and Power
Site: UPLAND_2023_RA_AA_AIR_MONITORI
Report To: Jill DeKart
8550 Hudson Blvd. North
Suite 100
Lake Elmo, MN 55042

Entire Report Reviewed By:












Jennifer A McCurdy
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

MGP-SG-INFEAST-24Q1 L1730244-01 Air

Collected by: Ethan Vinyard
 Collected date/time: 04/26/24 10:55
 Received date/time: 04/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2276083	1	04/28/24 20:54	04/28/24 20:54	GH	Mt. Juliet, TN

¹ Cp

² Tc

³ Ss

MGP-SG-EFFEAST-24Q1 L1730244-02 Air

Collected by: Ethan Vinyard
 Collected date/time: 04/26/24 11:00
 Received date/time: 04/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2276083	1	04/28/24 21:33	04/28/24 21:33	GH	Mt. Juliet, TN

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer A McCurdy
Project Manager

Project Narrative

Due to pressure issues, samples L1730244-03, L1730244-04, L1730244-05, are not being reported per client's email. 05/02/24
JM

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.238	0.760	11.9	38.0		1	WG2276083
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2276083
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2276083
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2276083
Toluene	108-88-3	92.10	0.290	1.09	ND	ND		1	WG2276083
Xylenes, Total	1330-20-7	106.16	0.450	1.95	ND	ND		1	WG2276083
m&p-Xylene	179601-23-1	106	0.450	1.95	ND	ND		1	WG2276083
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2276083
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.8				WG2276083

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.238	0.760	0.328	1.05		1	WG2276083
Ethylbenzene	100-41-4	106	0.278	1.21	1.12	4.86		1	WG2276083
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2276083
Styrene	100-42-5	104	0.263	1.12	1.83	7.78		1	WG2276083
Toluene	108-88-3	92.10	0.290	1.09	1.74	6.55		1	WG2276083
Xylenes, Total	1330-20-7	106.16	0.450	1.95	4.24	18.4		1	WG2276083
m&p-Xylene	179601-23-1	106	0.450	1.95	3.03	13.1		1	WG2276083
o-Xylene	95-47-6	106	0.276	1.20	1.21	5.25		1	WG2276083
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG2276083

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Method Blank (MB)

(MB) R4064115-3 04/28/24 10:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Benzene	U		0.0715	0.238
Ethylbenzene	U		0.0835	0.278
Naphthalene	U		0.350	1.17
Styrene	U		0.0788	0.263
Toluene	U		0.0870	0.290
Xylenes, Total	U		0.135	0.450
m&p-Xylene	U		0.135	0.450
o-Xylene	U		0.0828	0.276
(S) 1,4-Bromofluorobenzene	89.4			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4064115-1 04/28/24 08:49 • (LCSD) R4064115-2 04/28/24 09:29

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Benzene	3.75	4.43	4.38	118	117	70.0-130			1.14	25
Ethylbenzene	3.75	4.13	4.13	110	110	70.0-130			0.000	25
Naphthalene	3.75	3.49	3.72	93.1	99.2	70.0-159			6.38	25
Styrene	3.75	3.91	4.05	104	108	70.0-130			3.52	25
Toluene	3.75	4.33	4.35	115	116	70.0-130			0.461	25
Xylenes, Total	11.3	12.1	12.4	107	110	70.0-130			2.45	25
m&p-Xylene	7.50	8.11	8.31	108	111	70.0-130			2.44	25
o-Xylene	3.75	4.00	4.13	107	110	70.0-130			3.20	25
(S) 1,4-Bromofluorobenzene				97.5	98.9	60.0-140				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

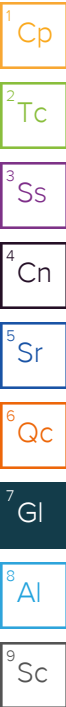
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.





CHAIN-OF-CUSTODY / Analytical Request Document

L-132

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

Page: 1 of 1

COC Number: SG-20240426-1

Company: Foth		Report To: Jill Dekart (jill.dekart@foth.com)	Requested Due Date:	Quote Reference: 158012
Address: 2121 Innovation Court, Suite 100 De Pere, WI 54115-5095		Copy To: Hannah Possehl (hannah.possehl@foth.com); Scott Barton	*TAT: Standard - 10 days	Project Manager: Pace - Tod.notlemeyer@pacelabs.com; Foth - Steve Krul - steve.krul@foth.com
Phone: 414-336-7900	Fax: (920) 497-8516	Invoice To: Steve Krul	P.O. IE-P00002448	Project Task Code: 24Q1_LongTerm Monitoring
Email Address: Jill Dekart (jill.dekart@foth.com)		Project Name: Superior Water Light & Power	Regulatory Agency:	Pace Profile #:
Site License No.:	Project Number: 18S024	State Location: WI		Sampling Team Members:

ITEM NUMBER	SAMPLE ID* = MGP-SG-XXX-YYYYMMDD, where "XXX" is sample location". EX. MGP-SG-XXX-20230701	Valid Matrix Codes		MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives							Requested Analysis				REMARKS / Lab ID
		Matrix	Code					# Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	TO-15	Filtered (Y/N)		
1	MGP-SG-INFEAST-24Q1	AA	C	4/26/2024	1055	1													-01
2	MGP-SG-EFFEAST-24Q1	AA	C	4/26/2024	1100	1													-02
3	MGP-SG-INFWEST-24Q1	AA	C	4/26/2024	1028	1													-03
4	MGP-SG-EFFWEST-24Q1	AA	C	4/26/2024	1038	1													-04
5	MGP-SG-FD-1	AA	C	4/26/2024	1028	1													-05
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Sample Receipt Checklist

COC Seal Present/Intact: Y N

COC Signed/Accurate: Y N

Bottles arrive intact: Y N

Correct bottles used: Y N

Size: 1L 5 6L 1.4L

Tube Color: G W P B

Tubing: Shunt

Unused: _____ T/P#: _____

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
FedEx	724107132860/ 724107132870	4/26/2024	2			4/26/24	1300			
					Eustan Oigen	4/27/24	0900			

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:
BETX, (X as total, o-, m-, p-), naphthalene, styrene

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ethan Vinyard

SIGNATURE of SAMPLER:

DATE Signed: 4/26/24

Additional Comments:
* Sample ID goes in as sys_sample_code in EDD

Appendix B

Validation Reports



Data Validation Report

Project Name:	Superior Water Light & Power		
Task Name:	Upland Long-Term OM&M Monitoring		
Laboratory(s):	Pace - Green Bay		
Laboratory Sample Delivery Group ID(s):	40276453		
Sample Collection Dates:	4/2/2024, 4/3/2024, 4/4/2024, 4/5/2024		
Sample Analysis Dates:	4/8/2024 – 4/22/2024		
Sample Matrices:	Groundwater		
Sample IDs Reviewed:	See Table 1		
Verification and Validation Stage, 100% data:	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2A <input type="checkbox"/> 2B <input type="checkbox"/> 3 <input type="checkbox"/> 4		
Verified and Validated By:	T. Scott Barton Lead Environmental Scientist		5/30/2024
Reviewed By:	Jill Dekart Lead Environmental Engineer		5/30/2024

The analytical data were validated to verify that laboratory quality assurance and quality control (QA/QC) procedures were documented and to evaluate the overall quality of the data reported. The analytical report included twenty-five groundwater samples, three field duplicates, and two trip blanks collected between 4/2/2024 and 4/5/2024; samples are listed in Table 1. The samples were collected as part of the *Upland Area Remedial Action Long-Term Operations, Maintenance, and Monitoring Plan (RA LT OM&M Plan)* (Foth Infrastructure & Environment, LLC (Foth, 2023a) and *Upland Area, Former Manufactured Gas Remedial Action Quality Assurance Project Plan* (Foth, 2023b).

Overall Assessment of Data

Overall, the data reported are of good quality and the results for the applicable QA/QC measurements that were used by the laboratories during the analysis of the samples were generally acceptable. Some sample results required qualification during data validation because method-specific QA/QC criteria were not met; results may be qualified for more than one reason. Table 2 provides a definition of the qualifiers assigned by the validator and/or retained from the laboratory.

- ◆ A total of 149 results (7.43%) reported as detected were qualified as estimated (assigned a J qualifier, either by the laboratory or during validation).
- ◆ A total of 2 results (0.10%) reported as detected were qualified as estimated and biased high (assigned a J+ qualifier during validation).
- ◆ A total of 3 results (0.15%) reported as detected were qualified as estimated and biased low (assigned a J- qualifier during validation).
- ◆ One result (0.05%) was qualified as non-detect below an estimated reporting limit (assigned a UJ qualifier during validation).

- ◆ A total of 9 results (0.45%) were tentatively identified and estimated (assigned an NJ qualifier during validation).
- ◆ No results were rejected.
- ◆ 100% of the data is usable for project data quality objectives.

Analytical data that did not meet method- and/or laboratory-established control limits for applicable QC measurements were qualified as estimated (J, J+, J-, UJ, or NJ) by the laboratory or during data validation. These qualified data are usable and represent data of good quality and reasonable confidence and have an acceptable degree of uncertainty (i.e., may be less precise or less accurate than unqualified data).

Validation Summary

Stage 2A data validation was performed on 100% of the data from this sample delivery group (SDG), with review tasks and items of note documented in the summary table below.

Validation Task and Description	Review Notes	Action
<p>Chain of Custody (COC) and Sample Receipt Form Confirm relinquish and receipt signatures. Confirm parameters and analytical methods match COC.</p>	<p>One COC was submitted with the field samples. All appropriate relinquish and receipt signatures were present. The temperature of the cooler was noted as 0.0 degrees Celsius.</p>	<p>No qualifiers assigned</p>
<p>Case Narrative Review for items noted by the laboratory.</p>	<p>Sample Receipt: Twenty-five groundwater samples, three field duplicates, and two trip blanks were received for analysis at Pace – Green Bay on 4/5/2024. All samples were received in acceptable condition with any exceptions noted below, on the COC, and/or the Sample Condition Upon Receipt Form (SCUR). The samples were stored at minimum temperature in accordance with the analytical method requirements.</p> <p>THC-Diesel (EPA 8015C Modified): Surrogate recoveries were not evaluated against control limits due to sample dilution in the following samples:</p> <ul style="list-style-type: none"> ◆ MGP-MW-29-24Q1 ◆ MGP-MW-3B-24Q1 ◆ MGP-MW-6R-24Q1 ◆ MGP-MW-FD-1 ◆ MGP-MW-8R-24Q1 ◆ MGP-MW-9-24Q1 <p>TPH – Diesel (C10-C28) was detected in the associated method blank for QC Batch 471299.</p>	<p>Not applicable</p>

Validation Task and Description	Review Notes	Action
	<p>Matrix spike (MS) recovery and/or matrix spike duplicate (MSD) recovery was outside laboratory control limits for samples 40276453027 and 40276453023.</p> <p>The default spike range of the standard used for QC evaluation is C10-C28. All other carbon ranges may recover outside of spike limits because they may not cover the range of the spike used for QC Batches 471251 and 471330.</p> <p>EPA 8015B Modified (Methane, Ethane, Ethene GCV): MS recovery exceeded QC limits and the batch was accepted based on laboratory control sample (LCS) recovery for samples 40276453027 and 40276453023.</p> <p>WIGRO (WI MOD GRO): No exceptions.</p> <p>EPA 6010D (Metals, Dissolved): No exceptions.</p> <p>EPA 7470 (Mercury, Dissolved): No exceptions.</p> <p>PAH by SIM (EPA 8270E): Surrogate recoveries were outside laboratory control limits for samples MGP-MW-29-24Q1, MGP-MW-8R-24Q1, and MGP-MW-9-24Q1. The surrogate may have failed due to a matrix effect in sample MGP-MW-29-24Q1 because the sample formed a thick emulsion during extraction.</p> <p>MS recovery for naphthalene exceeded QC limits for sample 40276453023. The batch was accepted based on LCS recovery.</p> <p>8260 (EPA 8260): No exceptions.</p> <p>SM 2320B (Alkalinity): MS recovery and/or MSD recovery was outside laboratory control limits for samples 40276453005, 40276453023, and 40276453027.</p> <p>SM 4500-S F (2000) (Sulfide, Iodometric): Sample field preservation does not meet EPA or method recommendations for sample MGP-MW-30-24Q1.</p> <p>The LCS/laboratory control sample duplicate (LCSD) relative percent difference (RPD) was outside control limits for Batch 471321.</p> <p>A MS/MSD was not performed for Batch 471321 due to insufficient sample volume.</p>	

Validation Task and Description	Review Notes	Action
	<p>The following samples were received with headspace:</p> <ul style="list-style-type: none"> ◆ MGP-MW-27-24Q1 ◆ MGP-MW-31-24Q1 ◆ MGP-MW-6R-24Q1 ◆ MGP-MW-22-24Q1 ◆ MGP-MW-29-24Q1 ◆ MGP-MW-30-24Q1 <p>The following samples were diluted due to the presence of high levels of non-target analytes or other matrix interference:</p> <ul style="list-style-type: none"> ◆ MGP-MW-6R-24Q1 ◆ MGP-MW-21-24Q1 ◆ MGP-MW-29-24Q1 <p>EPA 300.0 (Anions): MS recovery and/or MSD recovery was outside laboratory control limits for 40276259001, 40276453001, 40276453027, and 40276699004.</p> <p>The following samples were diluted due to the presence of high levels of non-target analytes or other matrix interference:</p> <ul style="list-style-type: none"> ◆ MGP-MW-17-24Q1 ◆ MGP-MW-21-24Q1 ◆ MGP-MW-22-24Q1 ◆ MGP-MW-29-24Q1 ◆ MGP-MW-9-24Q1 <p>EPA 353.2 (NO2/NO3 pres.): No exceptions.</p> <p>SM 5310C (TOC): No exceptions.</p>	
<p>Sample Condition Upon Receipt (SCUR) Confirm samples in acceptable condition and no discrepancies noted. Confirm preservation meets method requirements.</p>	<p>The samples arrived in good condition on wet ice. Two custody seals were present and intact on the cooler. The samples were received at the lab at a temperature within project limits.</p> <p>Sample field preservation does not meet EPA or method recommendations for sample MGP-MW-30-24Q1 for sulfide analysis.</p>	<p>Yes, qualifiers assigned</p>

Validation Task and Description	Review Notes	Action
Methods Requested Confirm analyses ordered match project requirements and lab provided results for all methods ordered.	All methods requested were performed in accordance with project requirements.	Not applicable
Analytes Requested Confirm analytes ordered match project requirements and lab provided all analytes ordered.	All analytes requested were performed in accordance with the COC.	Not applicable
Holding Times Confirm laboratory performed extractions and analyses within method-required holding times.	Extractions and analyses were performed within method-required holding times.	No qualifiers assigned
Blanks Confirm no detections in laboratory (method) blanks, no detections in equipment blanks and, equipment/trip blanks collected at work plan-required frequency.	Table 3a includes analytes detected in the method blank. For the method blank, no qualifiers are assigned where results in associated project samples greatly exceeded (5x) blank contamination concentration, or where associated project samples were non-detect.	No qualifiers assigned
Surrogates or deuterated monitoring compounds For <i>organic analyses only</i> , confirm surrogates analyzed and surrogate recovery within QC limits.	Table 4 presents surrogate recoveries that were outside control limits. Surrogate recoveries were within control limits for this SDG or were not evaluated against control limits due to sample dilution.	No qualifiers assigned
Matrix Spike/Matrix Spike Duplicates (MS/MSDs) Confirm MS/MSDs at frequency specified in work plan and MS percent recovery within lab specified limits. Confirm, for Organic analytes, MSD relative percent difference	Table 5 shows MS/MSD analyses for which the percent (%) recovery was outside control limits. Qualifiers are assigned on the parent sample when either the RPD recovery, or both the MS and MSD recovery, are outside control limits.	Yes, qualifiers assigned

Validation Task and Description	Review Notes	Action								
(RPD) within limits. For inorganic analytes, lab replicate RPD within limits.										
Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Confirm LCS analyzed and LCS/LCSD recovery within lab specified limits.	Table 6 shows LCS/LCSD for which the % recovery was outside control limits. Qualifiers are assigned to associated samples when either the RPD recovery, or both the LCS and LCSD recovery, is outside control limits. All LCS/LCSD recoveries were within control limits for this SDG.	No qualifiers assigned								
Field Duplicates Confirm field duplicates collected at required frequency and field duplicate RPD within acceptable limits.	A split sample was collected from the same soil core interval after sample homogenization. The following parent/field duplicates were collected in this SDG: <table border="1" data-bbox="594 842 1208 1003" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Parent Sample ID</th> <th>Field Duplicate Sample ID</th> </tr> </thead> <tbody> <tr> <td>MGP-MW-3B-24Q1</td> <td>MGP-MW-FD-1</td> </tr> <tr> <td>MGP-MW-28-24Q1</td> <td>MGP-MW-FD-2</td> </tr> <tr> <td>MGP-MW-21-24Q1</td> <td>MGP-MW-FD-3</td> </tr> </tbody> </table> <p>The precision of the parent/field duplicate sample pairs are evaluated in the attached RPD worksheets, Tables 7a, 7b, and 7c.</p>	Parent Sample ID	Field Duplicate Sample ID	MGP-MW-3B-24Q1	MGP-MW-FD-1	MGP-MW-28-24Q1	MGP-MW-FD-2	MGP-MW-21-24Q1	MGP-MW-FD-3	Yes, qualifiers assigned
Parent Sample ID	Field Duplicate Sample ID									
MGP-MW-3B-24Q1	MGP-MW-FD-1									
MGP-MW-28-24Q1	MGP-MW-FD-2									
MGP-MW-21-24Q1	MGP-MW-FD-3									
Laboratory qualifiers Confirm J qualifiers for values between method detection limit (MDL) and reporting limit (RL) and all analyte or method specific qualifiers.	Table 9 shows those samples that were qualified by the laboratory. Laboratory qualifiers that were qualified as estimated values (J or NJ) during data validation include: <ul style="list-style-type: none"> ◆ G- = Early peaks present outside the GRO window. ◆ G+ = Late peaks present outside the GRO window. ◆ GO = Early and late peaks present outside the GRO window. ◆ 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 LCS recovery. ◆ P4 = Sample field preservation does not meet EPA or method recommendations for this analysis. <p>The laboratory reported non-detect values with U qualifiers; U qualifiers are presented in Table 8 but not shown in Table 9 if they were not changed during validation.</p> <p>Qualifiers are applied in Table 9.</p>	Yes, qualifiers assigned								

Abbreviations:

% = percent
 COC = chain of custody
 EPA = U.S. Environmental Protection Agency

Foth = Foth Infrastructure & Environment, LLC
 GRO = gasoline range organics
 J = estimated

J- = estimated and potentially biased low
J+ = potentially biased high
LCS/LCSD = laboratory control sample/laboratory control sample duplicate
MDL = method detection limit
MS/MSD = matrix spike/matrix spike duplicate
NJ = The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity
PAH = polynuclear aromatic hydrocarbon
QA/QC = quality assurance/quality control

RA LT OM&M Plan = *Upland Area Remedial Action Long-Term Operations, Maintenance, and Monitoring Plan*
RL = reporting limit
RPD = relative percent difference
SCUR = sample condition upon receipt
SDG = sample delivery group
THC = total hydrocarbon
U = not detected
UJ = undetect below estimated reporting limit

Table 9 shows the Qualified Results from Data Validation with validator assigned qualifiers. Any qualifiers and/or results that were changed because of validation are highlighted in Table 9.

References

Foth Infrastructure & Environment, LLC, 2023a. *Upland Area Remedial Action Long-Term Operations, Maintenance, and Monitoring Plan*.

Foth Infrastructure & Environment, LLC, 2023b. *Upland Area, Former Manufactured Gas Remedial Action Quality Assurance Project Plan*.

United States Environmental Protection Agency, 2020. *National Functional Guidelines for Inorganic Superfund Methods Data Review*. November 2020.

United States Environmental Protection Agency, 2020. *National Functional Guidelines for Organic Superfund Methods Data Review*. November 2020.

Tables

Table 1
Sample IDs Reviewed

Project Sample ID	COC Number	Lab Sample ID	Sample Type
		Pace - Green Bay	
MGP-MW-1-24Q1	GW_20240405-1	40276453001	Normal
MGP-MW-2-24Q1	GW_20240405-1	40276453002	Normal
MGP-MW-4B-24Q1	GW_20240405-1	40276453003	Normal
MGP-MW-5-24Q1	GW_20240405-1	40276453004	Normal
MGP-MW-3B-24Q1	GW_20240405-1	40276453005	Normal
MGP-MW-9-24Q1	GW_20240405-1	40276453006	Normal
MGP-MW-10-24Q1	GW_20240405-1	40276453007	Normal
MGP-MW-11-24Q1	GW_20240405-1	40276453008	Normal
MGP-MW-TB-1	GW_20240405-1	40276453009	Trip Blank
MGP-MW-FD-1	GW_20240405-1	40276453010	Field Duplicate
MGP-MW-12-24Q1	GW_20240405-1	40276453011	Normal
MGP-MW-13-24Q1	GW_20240405-1	40276453012	Normal
MGP-MW-14-24Q1	GW_20240405-1	40276453013	Normal
MGP-MW-15-24Q1	GW_20240405-1	40276453014	Normal
MGP-MW-16-24Q1	GW_20240405-1	40276453015	Normal
MGP-MW-17-24Q1	GW_20240405-1	40276453016	Normal
MGP-MW-21-24Q1	GW_20240405-1	40276453017	Normal
MGP-MW-22-24Q1	GW_20240405-1	40276453018	Normal
MGP-MW-29-24Q1	GW_20240405-1	40276453019	Normal
MGP-MW-28-24Q1	GW_20240405-1	40276453020	Normal
MGP-MW-TB-2	GW_20240405-1	40276453021	Trip Blank
MGP-MW-FD-2	GW_20240405-1	40276453022	Field Duplicate
MGP-MW-20R-24Q1	GW_20240405-1	40276453023	Normal
MGP-MW-6R-24Q1	GW_20240405-1	40276453024	Normal
MGP-MW-7R-24Q1	GW_20240405-1	40276453025	Normal
MGP-MW-8R-24Q1	GW_20240405-1	40276453026	Normal
MGP-MW-27-24Q1	GW_20240405-1	40276453027	Normal
MGP-MW-30-24Q1	GW_20240405-1	40276453028	Normal
MGP-MW-31-24Q1	GW_20240405-1	40276453029	Normal
MGP-MW-FD-3	GW_20240405-1	40276453030	Field Duplicate

Notes:
COC = chain of custody
ID = identification

Prepared by: JAM8
Checked by: TSB

Table 2
Data Qualifiers That May Be Used to Qualify Analytical Results During Validation

Qualifier	Explanation
U	The analyte was analyzed for and was not detected above the numerical quantitation limit.
J	The analyte was analyzed for and was positively identified, but the analytical result (i.e., quantitation) is an estimated value. In some cases it is recognized that the estimated value is biased high (J+) suggesting the actual value is lower than estimated; or biased low (J-) suggesting the actual value is higher than estimated.
UJ	The analyte was analyzed for and was not detected above the reporting limit, but the reporting limit is an estimated value.
R	The analyte was analyzed for but may or may not be present and/or quantifiable due to quality control issues. The analytical result is not usable and should be rejected.
N	The analysis indicates presumptive evidence of the presence of the analyte.
NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.

Notes:

Results qualified as "J" or "UJ" are of acceptable data quality and may be used quantitatively per United States Environmental Protection Agency guidelines.

Prepared by: TSB
Checked by: AVB

**Table 3a
Method Blank Exceedances**

Sample ID	Lab Sample ID	Parameter	Result	Units	Lab Qualifier	MDL	RL
2698918BLANK	2698918	TPH-Diesel (C10-C28)	0.039	mg/L	J	0.028	0.095

Notes:

J = Estimated result

MDL = method detection limit

Prepared by: JAM8

Checked by: TSB

**Table 3b
Method Blank Exceedances**

Sample ID	Lab Sample ID	Parameter	Result	Units	Lab Qualifier	MDL	RL
No analytes were detected in Trip Blanks associated with this SDG.							

Notes:

MDL = method detection limit

RL = reporting limit

Prepared by: JAM8

Checked by: TSB

Table 4
Surrogate Recoveries

Lab Sample ID	Parent Sample	Parameter	Surrogate Recovery	Control Limits	
40276453005	MGP-MW-3B-24Q1	O-Terphenyl (Surr)	0	44	134
40276453006	MGP-MW-9-24Q1	O-Terphenyl (Surr)	0	44	134
40276453006	MGP-MW-9-24Q1	Terphenyl - D14	31	47	121
40276453010	MGP-MW-FD-1	O-Terphenyl (Surr)	0	44	134
40276453019	MGP-MW-29-24Q1	O-Terphenyl (Surr)	0	44	134
40276453019	MGP-MW-29-24Q1	2-Fluorobiphenyl	30	38	120
40276453019	MGP-MW-29-24Q1	Terphenyl - D14	29	47	121
40276453024	MGP-MW-6R-24Q1	O-Terphenyl (Surr)	0	44	134
40276453026	MGP-MW-8R-24Q1	O-Terphenyl (Surr)	0	44	134
40276453026	MGP-MW-8R-24Q1	Terphenyl - D14	43	47	121

Prepared by: JAM8
Checked by: TSB

**Table 5
Matrix Spike and Matrix Spike Duplicates**

Lab Sample ID	Project/ Non-Project	Parent Sample	Parameter	Parent Sample Result	MS Sample Result	MSD Sample Result	MS Spike Amount	MSD Spike Amount	MS % Recovery	MSD % Recovery	% Recovery Limits		RPD	RPD Limit
2698397 2698398	Yes	40276453023	Manganese, Dissolved	4590	4860	4750	250	250	110	63	75	125	2	20
2698401 2698402	Yes	40276453027	Calcium, Dissolved	133000	141000	149000	10000	10000	77	156	75	125	5	20
2698438 2698439	Yes	40276453027	TPH-Diesel (C10-C28)	0.23	0.29	0.39	0.48	0.48	13	34	69	120	29	20
2698537 2698538	Yes	40276453023	Naphthalene	20.5	27.1	1.4	1.9	1.8	347	70	50	120	14	23
2698921 2698922	Yes	40276453023	TPH-Diesel (C10-C28)	0.87	1.1	0.97	0.48	0.048	44	20	69	120	11	20
2700382 2700383	No	40276259001	Sulfate	584	1040	1070	400	400	114	122	90	110	3	15
2700384 2700385	Yes	40276453001	Sulfate	474	991	996	400	400	129	131	90	110	1	15
2700963 2700964	Yes	40276453027	Sulfate	80.7	310	287	200	200	115	103	90	110	8	15
2701520 2701521	Yes	40276453027	Methane	151	205	214	28.6	28.6	189	223	12	198	5	26
2701634 2701635	Yes	40276453005	Alkalinity as CaCO3	449	553	610	100	100	52	80	80	120	10	20
2701638 2701639	Yes	40276453023	Alkalinity as CaCO3	402	519	546	200	200	59	72	80	120	5	20
2701640 2701641	Yes	40276453027	Alkalinity as CaCO3	49.7	107	118	200	200	28	34	80	120	10	20
2702306 2702307	Yes	40276453023	Methane	673	1900	2010	286	286	429	468	12	198	6	26

Notes:

% = percent

MS = matrix spike

MSD = matrix spike duplicate

RPD = relative percent difference

Prepared by: JAM8

Checked by: TSB

**Table 6
Laboratory Control Samples**

Lab Sample ID	Parent Sample	Parameter	LCS % Recovery	LCSD % Recovery	% Recovery Limits	RPD	RPD Limit
<i>All Laboratory Control Sample recoveries were within control limits for this Sample Delivery Group</i>							

Notes:

% = percent

LCS = laboratory control sample

LCSD = laboratory control sample duplicate

RPD = relative percent difference

Prepared by: JAM8

Checked by: TSB

Table 7a
Relative Percent Difference Analysis for Field Duplicate Samples

Analytical Report 40276453
 Superior Water Light and Power
 RPD =

$$\frac{\text{absolute value (a - b)}}{(a + b)/2} \times 100\%$$

Acceptance Criteria*:

35%

Sample ID		MGP-MW-3B-24Q1		MGP-MW-FD-1		RPD	Acceptable?
Parent Sample ID		--		MGP-MW-3B-24Q1			
Sample Type		N		FD			
Parameter	Unit	Results		Results			
Sulfate	mg/L		31.2		31.3	low-level	Yes
Nitrogen, NO3 + NO2	mg/L	U	0.059	U	0.059	low-level	Yes
Antimony, Dissolved	ug/L	U	7.6	U	7.6	low-level	Yes
Arsenic, Dissolved	ug/L	U	8.3	U	8.3	low-level	Yes
Barium, Dissolved	ug/L		144		151	4.7%	Yes
Beryllium, Dissolved	ug/L	U	0.53	U	0.53	low-level	Yes
Cadmium, Dissolved	ug/L	U	1.3	U	1.3	low-level	Yes
Chromium, Dissolved	ug/L	U	2.5	U	2.5	low-level	Yes
Cobalt, Dissolved	ug/L	U	1.4	U	1.4	low-level	Yes
Copper, Dissolved	ug/L	U	3.4	U	3.4	low-level	Yes
Hardness, Dissolved	ug/L		436000		453000	3.8%	Yes
Iron, Dissolved	ug/L		662		678	2.4%	Yes
Lead, Dissolved	ug/L	U	5.9	U	5.9	low-level	Yes
Manganese, Dissolved	ug/L		234		242	3.4%	Yes
Nickel, Dissolved	ug/L	U	2.6	U	2.6	low-level	Yes
Selenium, Dissolved	ug/L	U	12.2	U	12.2	low-level	Yes
Silver, Dissolved	ug/L	U	3.2	U	3.2	low-level	Yes
Thallium, Dissolved	ug/L	U	10	U	10	low-level	Yes
Vanadium, Dissolved	ug/L	U	2.6	U	2.6	low-level	Yes
Zinc, Dissolved	ug/L	U	11.6	U	11.6	low-level	Yes
Mercury, Dissolved	ug/L	U	0.066	U	0.066	low-level	Yes
TPH (C28-C36)	mg/L	U	0.11	U	0.14	low-level	Yes

Table 7a (continued)

Sample ID		MGP-MW-3B-24Q1		MGP-MW-FD-1		RPD	Acceptable?
Parent Sample ID		--		MGP-MW-3B-24Q1			
Sample Type		N		FD			
Parameter	Unit	Results		Results			
TPH-Diesel (C10-C28)	mg/L		3.2		4.2	27.0%	Yes
Benzene	ug/L		796		883	10.4%	Yes
Ethylbenzene	ug/L		350		381	8.5%	Yes
Styrene	ug/L	U	1.8	U	3.6	low-level	Yes
Toluene	ug/L		187		208	10.6%	Yes
Xylenes, Total	ug/L		374		409	8.9%	Yes
Acenaphthene	ug/L		21.4		23.6	9.8%	Yes
Acenaphthylene	ug/L		6.1		6.6	low-level	Yes
Anthracene	ug/L		3.9		4.2	low-level	Yes
Benzo(a)anthracene	ug/L	U	0.65	U	0.97	low-level	Yes
Benzo(a)pyrene	ug/L	U	0.61	U	0.91	low-level	Yes
Benzo(b)fluoranthene	ug/L	U	0.44	U	0.65	low-level	Yes
Benzo(ghi)perylene	ug/L	U	1.1	U	1.7	low-level	Yes
Benzo(k)fluoranthene	ug/L	U	1.1	U	1.6	low-level	Yes
Chrysene	ug/L	U	0.61	U	0.9	low-level	Yes
Dibenzo(a,h)anthracene	ug/L	U	0.86	U	1.3	low-level	Yes
Fluoranthene	ug/L		2.9	J	3.2	low-level	Yes
Fluorene	ug/L		7.6		8.4	low-level	Yes
Indeno(1,2,3-cd)pyrene	ug/L	U	0.75	U	1.1	low-level	Yes
Naphthalene	ug/L		475		527	10.4%	Yes
Phenanthrene	ug/L		19.9		22.5	12.3%	Yes
Pyrene	ug/L		2.9	J	3	low-level	Yes
Alkalinity as CaCO3	mg/L	M0	449		441	1.8%	Yes
Alkalinity, Bicarbonate as CaCO3	mg/L		449		441	1.8%	Yes
Alkalinity, Carbonate as CaCO3	mg/L	U	5	U	5	low-level	Yes
Sulfide	mg/L	J	1.2	J	1.2	low-level	Yes
Total Organic Carbon	mg/L		10.3		10.8	4.7%	Yes
Methane	ug/L		312		574	59.1%	No
Gasoline Range Organics	ug/L	GO	3970	GO	3600	9.8%	Yes

Table 7a (continued)

Sample ID		MGP-MW-3B-24Q1	MGP-MW-FD-1	RPD	Acceptable?
Parent Sample ID		--	MGP-MW-3B-24Q1		
Sample Type		N	FD		
Parameter	Unit	Results	Results		

Notes:

- FD = Field duplicate
- GO = Early and late peaks present outside the GRO window
- J = Estimated value
- mg/L = Milligrams per liter
- M0 = MS and/or MSD recovery was outside laboratory control limits
- N = Normal sample
- RPD = Relative percent difference
- U = Undetected result

Prepared by: JAM8
Checked by: TSB

Table 7b
Relative Percent Difference Analysis for Field Duplicate Samples

Analytical Report 40276453
 Superior Water Light and Power
 RPD =

$$\frac{\text{absolute value (a - b)}}{(a + b)/2} \times 100\%$$

Acceptance Criteria*:

35%

Sample ID		MGP-MW-28-24Q1		MGP-MW-FD-2		RPD	Acceptable?
Parent Sample ID		--		MGP-MW-28-24Q1			
Sample Type		N		FD			
Parameter	Unit	Results		Results			
Sulfate	mg/L		79.6		91.8	14.2%	Yes
Nitrogen, NO3 + NO2	mg/L		0.34		0.33	low-level	Yes
Antimony, Dissolved	ug/L	U	7.6	U	7.6	low-level	Yes
Arsenic, Dissolved	ug/L	U	8.3	U	8.3	low-level	Yes
Barium, Dissolved	ug/L		42.8		42.9	0.2%	Yes
Beryllium, Dissolved	ug/L	U	0.53	U	0.53	low-level	Yes
Cadmium, Dissolved	ug/L	U	1.3	U	1.3	low-level	Yes
Chromium, Dissolved	ug/L	U	2.5	U	2.5	low-level	Yes
Cobalt, Dissolved	ug/L	U	1.4	U	1.4	low-level	Yes
Copper, Dissolved	ug/L	U	3.4	J	3.4	low-level	Yes
Hardness, Dissolved	ug/L		237000		237000	0.0%	Yes
Iron, Dissolved	ug/L		1140		1100	3.6%	Yes
Lead, Dissolved	ug/L	U	5.9	U	5.9	low-level	Yes
Manganese, Dissolved	ug/L		134		132	1.5%	Yes
Nickel, Dissolved	ug/L	U	2.6	U	2.6	low-level	Yes
Selenium, Dissolved	ug/L	U	12.2	U	12.2	low-level	Yes
Silver, Dissolved	ug/L	U	3.2	U	3.2	low-level	Yes
Thallium, Dissolved	ug/L	U	10	U	10	low-level	Yes
Vanadium, Dissolved	ug/L	U	2.6	U	2.6	low-level	Yes
Zinc, Dissolved	ug/L	U	11.6	U	11.6	low-level	Yes
Mercury, Dissolved	ug/L	U	0.066	U	0.066	low-level	Yes
TPH (C28-C36)	mg/L	J	0.041	J	0.035	low-level	Yes

Table 7b (continued)

Sample ID		MGP-MW-28-24Q1		MGP-MW-FD-2		RPD	Acceptable?
Parent Sample ID		--		MGP-MW-28-24Q1			
Sample Type		N		FD			
Parameter	Unit	Results		Results			
TPH-Diesel (C10-C28)	mg/L	J,B	0.079	J,B	0.068	low-level	Yes
Benzene	ug/L	U	0.3	U	0.3	low-level	Yes
Ethylbenzene	ug/L	U	0.33	U	0.33	low-level	Yes
Styrene	ug/L	U	0.36	U	0.36	low-level	Yes
Toluene	ug/L	U	0.29	U	0.29	low-level	Yes
Xylenes, Total	ug/L	U	1	U	1	low-level	Yes
Acenaphthene	ug/L	J	0.044	J	0.031	low-level	Yes
Acenaphthylene	ug/L	U	0.012	U	0.012	low-level	Yes
Anthracene	ug/L	U	0.018	U	0.018	low-level	Yes
Benzo(a)anthracene	ug/L	U	0.013	U	0.013	low-level	Yes
Benzo(a)pyrene	ug/L	U	0.012	U	0.012	low-level	Yes
Benzo(b)fluoranthene	ug/L	U	0.0088	U	0.0087	low-level	Yes
Benzo(ghi)perylene	ug/L	U	0.023	U	0.022	low-level	Yes
Benzo(k)fluoranthene	ug/L	U	0.022	U	0.021	low-level	Yes
Chrysene	ug/L	U	0.012	U	0.012	low-level	Yes
Dibenzo(a,h)anthracene	ug/L	U	0.017	U	0.017	low-level	Yes
Fluoranthene	ug/L	U	0.025	U	0.025	low-level	Yes
Fluorene	ug/L	U	0.023	U	0.022	low-level	Yes
Indeno(1,2,3-cd)pyrene	ug/L	U	0.015	U	0.015	low-level	Yes
Naphthalene	ug/L		0.076	J	0.024	low-level	Yes
Phenanthrene	ug/L	U	0.025	U	0.024	low-level	Yes
Pyrene	ug/L	U	0.022	U	0.022	low-level	Yes
Alkalinity as CaCO3	mg/L		207		194	6.5%	Yes
Alkalinity, Bicarbonate as CaCO3	mg/L		207		194	6.5%	Yes
Alkalinity, Carbonate as CaCO3	mg/L	U	5	U	5	low-level	Yes
Sulfide	mg/L	U	1.2	U	1.2	low-level	Yes
Total Organic Carbon	mg/L		2.6		2.5	low-level	Yes
Methane	ug/L		69.6		70.8	low-level	Yes
Gasoline Range Organics	ug/L	U	30.5	U	30.5	low-level	Yes

Table 7b (continued)

Sample ID		MGP-MW-28-24Q1	MGP-MW-FD-2	RPD	Acceptable?
Parent Sample ID		--	MGP-MW-28-24Q1		
Sample Type		N	FD		
Parameter	Unit	Results	Results		

Notes:

B = Analyte was detected in the associated method blank

FD = Field duplicate

J = Estimated value

mg/L = Milligrams per liter

N = Normal sample

RPD = Relative percent difference

U = Undetected result

ug/L = Micrograms per liter

Prepared by: JAM8

Checked by: TSB

Table 7c
Relative Percent Difference Analysis for Field Duplicate Samples

Analytical Report 40276453
 Superior Water Light and Power
 RPD =

$$\frac{\text{absolute value (a - b)}}{(a + b)/2} \times 100\%$$

Acceptance Criteria*:

35%

Sample ID		MGP-MW-21-24Q1		MGP-MW-FD-3		RPD	Acceptable?
Parent Sample ID		--		MGP-MW-21-24Q1			
Sample Type		N		FD			
Parameter	Unit	Results		Results			
Sulfate	mg/L	U D3	2.2	J	0.46	low-level	Yes
Nitrogen, NO3 + NO2	mg/L	U	0.059	J	0.086	low-level	Yes
Antimony, Dissolved	ug/L	U	7.6	U	7.6	low-level	Yes
Arsenic, Dissolved	ug/L	J	10.6	J	13.6	low-level	Yes
Barium, Dissolved	ug/L		121		117	3.4%	Yes
Beryllium, Dissolved	ug/L	U	0.53	U	0.53	low-level	Yes
Cadmium, Dissolved	ug/L	U	1.3	U	1.3	low-level	Yes
Chromium, Dissolved	ug/L	U	2.5	U	2.5	low-level	Yes
Cobalt, Dissolved	ug/L	J	2	U	1.4	low-level	Yes
Copper, Dissolved	ug/L	U	3.4	U	3.4	low-level	Yes
Hardness, Dissolved	ug/L		424000		406000	4.3%	Yes
Iron, Dissolved	ug/L		38100		36800	3.5%	Yes
Lead, Dissolved	ug/L	U	5.9	U	5.9	low-level	Yes
Manganese, Dissolved	ug/L		2300		2230	3.1%	Yes
Nickel, Dissolved	ug/L	U	2.6	U	2.6	low-level	Yes
Selenium, Dissolved	ug/L	U	12.2	U	12.2	low-level	Yes
Silver, Dissolved	ug/L	U	3.2	U	3.2	low-level	Yes
Thallium, Dissolved	ug/L	U	10	U	10	low-level	Yes
Vanadium, Dissolved	ug/L	U	2.6	U	2.6	low-level	Yes
Zinc, Dissolved	ug/L	U	11.6	U	11.6	low-level	Yes
Mercury, Dissolved	ug/L	U	0.066	U	0.066	low-level	Yes
TPH (C28-C36)	mg/L	J	0.056	J	0.061	low-level	Yes

Table 7c (continued)

Sample ID		MGP-MW-21-24Q1		MGP-MW-FD-3		RPD	Acceptable?
Parent Sample ID		--		MGP-MW-21-24Q1			
Sample Type		N		FD			
Parameter	Unit	Results		Results			
TPH-Diesel (C10-C28)	mg/L	B	0.11	B	0.12	low-level	Yes
Benzene	ug/L	U	0.3	U	0.3	low-level	Yes
Ethylbenzene	ug/L	U	0.33	U	0.33	low-level	Yes
Styrene	ug/L	U	0.36	U	0.36	low-level	Yes
Toluene	ug/L	U	0.29	U	0.29	low-level	Yes
Xylenes, Total	ug/L	U	1	U	1	low-level	Yes
Acenaphthene	ug/L	J	0.036	J	0.028	low-level	Yes
Acenaphthylene	ug/L	U	0.013	U	0.013	low-level	Yes
Anthracene	ug/L	U	0.019	U	0.019	low-level	Yes
Benzo(a)anthracene	ug/L	U	0.014	U	0.014	low-level	Yes
Benzo(a)pyrene	ug/L	U	0.013	U	0.013	low-level	Yes
Benzo(b)fluoranthene	ug/L	U	0.0092	U	0.0095	low-level	Yes
Benzo(ghi)perylene	ug/L	U	0.024	U	0.024	low-level	Yes
Benzo(k)fluoranthene	ug/L	U	0.023	U	0.023	low-level	Yes
Chrysene	ug/L	U	0.013	U	0.013	low-level	Yes
Dibenzo(a,h)anthracene	ug/L	U	0.018	U	0.019	low-level	Yes
Fluoranthene	ug/L	J	0.027	U	0.027	low-level	Yes
Fluorene	ug/L	U	0.024	U	0.025	low-level	Yes
Indeno(1,2,3-cd)pyrene	ug/L	U	0.016	U	0.016	low-level	Yes
Naphthalene	ug/L	U	0.02	U	0.021	low-level	Yes
Phenanthrene	ug/L		0.074	J	0.05	low-level	Yes
Pyrene	ug/L	J	0.034	U	0.024	low-level	Yes
Alkalinity as CaCO3	mg/L		371		377	1.6%	Yes
Alkalinity, Bicarbonate as CaCO3	mg/L		371		377	1.6%	Yes
Alkalinity, Carbonate as CaCO3	mg/L	U	5	U	5	low-level	Yes
Sulfide	mg/L	U,D3	4.8	U	1.2	low-level	Yes
Total Organic Carbon	mg/L		12		11.9	0.8%	Yes
Methane	ug/L		13600		6680	68.2%	No
Gasoline Range Organics	ug/L	U	30.5	U	30.5	low-level	Yes

Table 7c (continued)

Sample ID		MGP-MW-21-24Q1	MGP-MW-FD-3	RPD	Acceptable?
Parent Sample ID		--	MGP-MW-21-24Q1		
Sample Type		N	FD		
Parameter	Unit	Results	Results		

Notes:

D3 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference

FD = Field duplicate

J = Estimated value

mg/L = Milligrams per liter

N = Normal sample

RPD = Relative percent difference

U = Undetected result

ug/L = Micrograms per liter

Prepared by: JAM8

Checked by: TSB

**Table 8
Laboratory Qualifiers**

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-10-24Q1	40276453007	EPA 8015C	TPH-Diesel (C10-C28)	0.22	B	mg/L
MGP-MW-11-24Q1	40276453008	EPA 8015C	TPH-Diesel (C10-C28)	0.11	B	mg/L
MGP-MW-12-24Q1	40276453011	EPA 8015C	TPH-Diesel (C10-C28)	0.26	B	mg/L
MGP-MW-13-24Q1	40276453012	EPA 8015C	TPH-Diesel (C10-C28)	0.17	B	mg/L
MGP-MW-14-24Q1	40276453013	EPA 8015C	TPH-Diesel (C10-C28)	0.12	B	mg/L
MGP-MW-17-24Q1	40276453016	EPA 8015C	TPH-Diesel (C10-C28)	0.1	B	mg/L
MGP-MW-21-24Q1	40276453017	EPA 8015C	TPH-Diesel (C10-C28)	0.11	B	mg/L
MGP-MW-31-24Q1	40276453029	EPA 8015C	TPH-Diesel (C10-C28)	0.11	B	mg/L
MGP-MW-5-24Q1	40276453004	EPA 8015C	TPH-Diesel (C10-C28)	0.22	B	mg/L
MGP-MW-7R-24Q1	40276453025	EPA 8015C	TPH-Diesel (C10-C28)	0.12	B	mg/L
MGP-MW-FD-3	40276453030	EPA 8015C	TPH-Diesel (C10-C28)	0.12	B	mg/L
MGP-MW-27-24Q1	40276453027	WI MOD GRO	Gasoline Range Organics	73	G-	ug/L
MGP-MW-6R-24Q1	40276453024	WI MOD GRO	Gasoline Range Organics	1220	G+	ug/L
MGP-MW-8R-24Q1	40276453026	WI MOD GRO	Gasoline Range Organics	3880	G+	ug/L
MGP-MW-10-24Q1	40276453007	WI MOD GRO	Gasoline Range Organics	107	GO	ug/L
MGP-MW-20R-24Q1	40276453023	WI MOD GRO	Gasoline Range Organics	181	GO	ug/L
MGP-MW-29-24Q1	40276453019	WI MOD GRO	Gasoline Range Organics	858	GO	ug/L
MGP-MW-3B-24Q1	40276453005	WI MOD GRO	Gasoline Range Organics	3970	GO	ug/L
MGP-MW-9-24Q1	40276453006	WI MOD GRO	Gasoline Range Organics	13000	GO	ug/L
MGP-MW-FD-1	40276453010	WI MOD GRO	Gasoline Range Organics	3600	GO	ug/L
MGP-MW-10-24Q1	40276453007	EPA 353.2	Nitrogen, NO3 + NO2	0.062	J	mg/L
MGP-MW-10-24Q1	40276453007	EPA 8015C	TPH (C28-C36)	0.042	J	mg/L
MGP-MW-10-24Q1	40276453007	EPA 8260	Ethylbenzene	0.41	J	ug/L
MGP-MW-10-24Q1	40276453007	EPA 8260	Xylenes, Total	1.6	J	ug/L
MGP-MW-10-24Q1	40276453007	EPA 8270E SIM	Dibenzo(a,h)anthracene	0.027	J	ug/L
MGP-MW-11-24Q1	40276453008	EPA 8015C	TPH (C28-C36)	0.043	J	mg/L
MGP-MW-11-24Q1	40276453008	EPA 8270E SIM	Benzo(k)fluoranthene	0.034	J	ug/L
MGP-MW-12-24Q1	40276453011	EPA 8015C	TPH (C28-C36)	0.037	J	mg/L
MGP-MW-12-24Q1	40276453011	EPA 8260	Benzene	0.39	J	ug/L
MGP-MW-12-24Q1	40276453011	EPA 8270E SIM	Benzo(a)anthracene	0.064	J	ug/L
MGP-MW-12-24Q1	40276453011	EPA 8270E SIM	Benzo(a)pyrene	0.026	J	ug/L
MGP-MW-12-24Q1	40276453011	EPA 8270E SIM	Benzo(b)fluoranthene	0.029	J	ug/L
MGP-MW-12-24Q1	40276453011	EPA 8270E SIM	Chrysene	0.065	J	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Copper, Dissolved	3.9	J	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Vanadium, Dissolved	3	J	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Naphthalene	0.022	J	ug/L
MGP-MW-13-24Q1	40276453012	EPA 8015C	TPH (C28-C36)	0.056	J	mg/L
MGP-MW-13-24Q1	40276453012	EPA 8260	Benzene	0.44	J	ug/L
MGP-MW-13-24Q1	40276453012	EPA 8260	Toluene	0.3	J	ug/L
MGP-MW-13-24Q1	40276453012	EPA 8270E SIM	Dibenzo(a,h)anthracene	0.049	J	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Copper, Dissolved	5	J	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8015C	TPH (C28-C36)	0.065	J	mg/L
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Acenaphthene	0.031	J	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Acenaphthylene	0.027	J	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Anthracene	0.033	J	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Benzo(a)anthracene	0.049	J	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Benzo(a)pyrene	0.047	J	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Benzo(b)fluoranthene	0.048	J	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Benzo(ghi)perylene	0.033	J	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Fluorene	0.028	J	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	0.028	J	ug/L
MGP-MW-15-24Q1	40276453014	EPA 8015C	TPH (C28-C36)	0.037	J	mg/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Cobalt, Dissolved	3.2	J	ug/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Copper, Dissolved	4.1	J	ug/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Nickel, Dissolved	5.1	J	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8015C	TPH (C28-C36)	0.032	J	mg/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Acenaphthene	0.035	J	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Anthracene	0.021	J	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Benzo(a)anthracene	0.016	J	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Chrysene	0.013	J	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Fluoranthene	0.038	J	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Pyrene	0.041	J	ug/L
MGP-MW-17-24Q1	40276453016	EPA 353.2	Nitrogen, NO3 + NO2	0.16	J	mg/L
MGP-MW-17-24Q1	40276453016	EPA 6010D	Cobalt, Dissolved	3.1	J	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8015C	TPH (C28-C36)	0.06	J	mg/L
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Acenaphthene	0.035	J	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Anthracene	0.019	J	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Benzo(a)anthracene	0.017	J	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Chrysene	0.014	J	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Naphthalene	0.024	J	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 8270E SIM	Benzo(a)anthracene	0.038	J	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 8270E SIM	Benzo(b)fluoranthene	0.019	J	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 8270E SIM	Chrysene	0.028	J	ug/L
MGP-MW-21-24Q1	40276453017	EPA 6010D	Arsenic, Dissolved	10.6	J	ug/L
MGP-MW-21-24Q1	40276453017	EPA 6010D	Cobalt, Dissolved	2	J	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8015C	TPH (C28-C36)	0.056	J	mg/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Acenaphthene	0.036	J	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Fluoranthene	0.027	J	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Pyrene	0.034	J	ug/L
MGP-MW-22-24Q1	40276453018	EPA 6010D	Chromium, Dissolved	3	J	ug/L
MGP-MW-22-24Q1	40276453018	EPA 6010D	Nickel, Dissolved	9.9	J	ug/L
MGP-MW-22-24Q1	40276453018	EPA 6010D	Zinc, Dissolved	11.9	J	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8015C	TPH (C28-C36)	0.042	J	mg/L
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Acenaphthylene	0.015	J	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Anthracene	0.036	J	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Benzo(a)anthracene	0.036	J	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Benzo(a)pyrene	0.022	J	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Benzo(b)fluoranthene	0.02	J	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Chrysene	0.031	J	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Fluorene	0.043	J	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Vanadium, Dissolved	3.5	J	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8015C	TPH (C28-C36)	0.072	J	mg/L
MGP-MW-27-24Q1	40276453027	EPA 8260	Ethylbenzene	0.66	J	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8260	Styrene	0.56	J	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Acenaphthene	0.022	J	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Fluoranthene	0.029	J	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Pyrene	0.03	J	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8015C	TPH (C28-C36)	0.041	J	mg/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Acenaphthene	0.044	J	ug/L
MGP-MW-29-24Q1	40276453019	EPA 6010D	Beryllium, Dissolved	0.73	J	ug/L
MGP-MW-29-24Q1	40276453019	EPA 8015C	TPH (C28-C36)	0.18	J	mg/L
MGP-MW-29-24Q1	40276453019	EPA 8270E SIM	Benzo(ghi)perylene	0.35	J	ug/L
MGP-MW-29-24Q1	40276453019	EPA 8270E SIM	Benzo(k)fluoranthene	0.23	J	ug/L
MGP-MW-29-24Q1	40276453019	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	0.26	J	ug/L
MGP-MW-30-24Q1	40276453028	EPA 353.2	Nitrogen, NO3 + NO2	0.16	J	mg/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Copper, Dissolved	3.8	J	ug/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Vanadium, Dissolved	2.7	J	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Acenaphthylene	0.043	J	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Anthracene	0.048	J	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Benzo(a)anthracene	0.032	J	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Benzo(a)pyrene	0.017	J	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Benzo(b)fluoranthene	0.019	J	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Chrysene	0.03	J	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Naphthalene	0.046	J	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Vanadium, Dissolved	2.8	J	ug/L
MGP-MW-3B-24Q1	40276453005	SM 4500 S F (2000)	Sulfide	1.2	J	mg/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Copper, Dissolved	5.1	J	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Vanadium, Dissolved	5.1	J	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8015C	TPH (C28-C36)	0.041	J	mg/L
MGP-MW-5-24Q1	40276453004	EPA 8015C	TPH (C28-C36)	0.07	J	mg/L
MGP-MW-5-24Q1	40276453004	EPA 8270E SIM	Pyrene	0.023	J	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Iron, Dissolved	60.7	J	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Vanadium, Dissolved	4.6	J	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Copper, Dissolved	3.9	J	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 8015C	TPH (C28-C36)	0.039	J	mg/L
MGP-MW-7R-24Q1	40276453025	EPA 8270E SIM	Acenaphthylene	0.035	J	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 8270E SIM	Benzo(a)anthracene	0.017	J	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 8270E SIM	Benzo(b)fluoranthene	0.01	J	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 8270E SIM	Chrysene	0.013	J	ug/L
MGP-MW-7R-24Q1	40276453025	WI MOD GRO	Gasoline Range Organics	37	J	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Arsenic, Dissolved	13.2	J	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 8015C	TPH (C28-C36)	0.92	J	mg/L
MGP-MW-8R-24Q1	40276453026	EPA 8270E SIM	Fluoranthene	2.8	J	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 8270E SIM	Pyrene	2.8	J	ug/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Arsenic, Dissolved	13.3	J	ug/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Nickel, Dissolved	5.9	J	ug/L
MGP-MW-9-24Q1	40276453006	EPA 8015C	TPH (C28-C36)	1.4	J	mg/L
MGP-MW-9-24Q1	40276453006	EPA 8270E SIM	Acenaphthylene	2.6	J	ug/L
MGP-MW-9-24Q1	40276453006	EPA 8270E SIM	Benzo(a)anthracene	1.7	J	ug/L
MGP-MW-9-24Q1	40276453006	EPA 8270E SIM	Chrysene	1.3	J	ug/L
MGP-MW-FD-1	40276453010	EPA 8270E SIM	Fluoranthene	3.2	J	ug/L
MGP-MW-FD-1	40276453010	EPA 8270E SIM	Pyrene	3	J	ug/L
MGP-MW-FD-1	40276453010	SM 4500 S F (2000)	Sulfide	1.2	J	mg/L
MGP-MW-FD-2	40276453022	EPA 6010D	Copper, Dissolved	3.4	J	ug/L
MGP-MW-FD-2	40276453022	EPA 8015C	TPH (C28-C36)	0.035	J	mg/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Acenaphthene	0.031	J	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Naphthalene	0.024	J	ug/L
MGP-MW-FD-3	40276453030	EPA 300	Sulfate	0.46	J	mg/L
MGP-MW-FD-3	40276453030	EPA 353.2	Nitrogen, NO3 + NO2	0.086	J	mg/L
MGP-MW-FD-3	40276453030	EPA 6010D	Arsenic, Dissolved	13.6	J	ug/L
MGP-MW-FD-3	40276453030	EPA 8015C	TPH (C28-C36)	0.061	J	mg/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Acenaphthene	0.028	J	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Phenanthrene	0.05	J	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8015C	TPH-Diesel (C10-C28)	0.047	J,B	mg/L
MGP-MW-16-24Q1	40276453015	EPA 8015C	TPH-Diesel (C10-C28)	0.058	J,B	mg/L
MGP-MW-2-24Q1	40276453002	EPA 8015C	TPH-Diesel (C10-C28)	0.052	J,B	mg/L
MGP-MW-28-24Q1	40276453020	EPA 8015C	TPH-Diesel (C10-C28)	0.079	J,B	mg/L
MGP-MW-4B-24Q1	40276453003	EPA 8015C	TPH-Diesel (C10-C28)	0.081	J,B	mg/L
MGP-MW-FD-2	40276453022	EPA 8015C	TPH-Diesel (C10-C28)	0.068	J,B	mg/L
MGP-MW-17-24Q1	40276453016	EPA 300	Sulfate	4.1	J,D3	mg/L
MGP-MW-6R-24Q1	40276453024	SM 4500 S F (2000)	Sulfide	10.4	J,D3,1q	mg/L
MGP-MW-1-24Q1	40276453001	EPA 300	Sulfate	474	M0	mg/L
MGP-MW-20R-24Q1	40276453023	EPA 8015C	TPH-Diesel (C10-C28)	0.87	M0	mg/L
MGP-MW-20R-24Q1	40276453023	SM 2320B	Alkalinity as CaCO3	402	M0	mg/L
MGP-MW-27-24Q1	40276453027	EPA 300	Sulfate	80.7	M0	mg/L
MGP-MW-27-24Q1	40276453027	SM 2320B	Alkalinity as CaCO3	49.7	M0	mg/L
MGP-MW-3B-24Q1	40276453005	SM 2320B	Alkalinity as CaCO3	449	M0	mg/L
MGP-MW-27-24Q1	40276453027	EPA 8015C	TPH-Diesel (C10-C28)	0.23	M0,B	mg/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-20R-24Q1	40276453023	EPA 8270E SIM	Naphthalene	20.5	M1	ug/L
MGP-MW-20R-24Q1	40276453023	SW846 8015M	Methane	673	M1	ug/L
MGP-MW-27-24Q1	40276453027	SW846 8015M	Methane	151	M1	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Manganese, Dissolved	4590	P6	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-10-24Q1	40276453007	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-10-24Q1	40276453007	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-10-24Q1	40276453007	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-11-24Q1	40276453008	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-11-24Q1	40276453008	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.018	U	ug/L
MGP-MW-11-24Q1	40276453008	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-11-24Q1	40276453008	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-11-24Q1	40276453008	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-12-24Q1	40276453011	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-12-24Q1	40276453011	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 8270E SIM	Benzo(ghi)perylene	< 0.046	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.044	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.035	U	ug/L
MGP-MW-12-24Q1	40276453011	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.031	U	ug/L
MGP-MW-12-24Q1	40276453011	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-12-24Q1	40276453011	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-12-24Q1	40276453011	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Iron, Dissolved	< 56.7	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Manganese, Dissolved	< 1.5	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8015C	TPH (C28-C36)	< 0.027	U	mg/L
MGP-MW-1-24Q1	40276453001	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Acenaphthene	< 0.013	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Acenaphthylene	< 0.012	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Anthracene	< 0.018	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Benzo(a)anthracene	< 0.013	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Benzo(a)pyrene	< 0.012	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.0087	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Benzo(ghi)perylene	< 0.022	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.021	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Chrysene	< 0.012	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.017	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Fluoranthene	< 0.025	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Fluorene	< 0.022	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.015	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Phenanthrene	< 0.024	U	ug/L
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Pyrene	< 0.022	U	ug/L
MGP-MW-1-24Q1	40276453001	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-1-24Q1	40276453001	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-1-24Q1	40276453001	SW846 8015M	Methane	< 0.58	U	ug/L
MGP-MW-1-24Q1	40276453001	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Iron, Dissolved	< 56.7	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-13-24Q1	40276453012	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-13-24Q1	40276453012	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-13-24Q1	40276453012	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-13-24Q1	40276453012	SW846 8015M	Methane	< 0.58	U	ug/L
MGP-MW-13-24Q1	40276453012	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Iron, Dissolved	< 56.7	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.022	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.018	U	ug/L
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Naphthalene	< 0.02	U	ug/L
MGP-MW-14-24Q1	40276453013	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-14-24Q1	40276453013	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-14-24Q1	40276453013	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-15-24Q1	40276453014	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-15-24Q1	40276453014	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.018	U	ug/L
MGP-MW-15-24Q1	40276453014	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-15-24Q1	40276453014	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-15-24Q1	40276453014	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Acenaphthylene	< 0.013	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Benzo(a)pyrene	< 0.013	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.0093	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Benzo(ghi)perylene	< 0.024	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.023	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.018	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Fluorene	< 0.024	U	ug/L
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.016	U	ug/L
MGP-MW-16-24Q1	40276453015	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-16-24Q1	40276453015	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-16-24Q1	40276453015	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-17-24Q1	40276453016	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Acenaphthylene	< 0.012	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Benzo(a)pyrene	< 0.013	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.009	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Benzo(ghi)perylene	< 0.023	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.022	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.018	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Fluorene	< 0.023	U	ug/L
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.015	U	ug/L
MGP-MW-17-24Q1	40276453016	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-17-24Q1	40276453016	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-17-24Q1	40276453016	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 8270E SIM	Benzo(a)pyrene	< 0.026	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 8270E SIM	Benzo(ghi)perylene	< 0.048	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.046	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.037	U	ug/L
MGP-MW-20R-24Q1	40276453023	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.032	U	ug/L
MGP-MW-20R-24Q1	40276453023	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-20R-24Q1	40276453023	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-21-24Q1	40276453017	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-21-24Q1	40276453017	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-21-24Q1	40276453017	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8260	Benzene	< 0.33	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Acenaphthylene	< 0.013	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Anthracene	< 0.019	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Benzo(a)anthracene	< 0.014	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Benzo(a)pyrene	< 0.013	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.0092	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Benzo(ghi)perylene	< 0.024	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.023	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Chrysene	< 0.013	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.018	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Fluorene	< 0.024	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.016	U	ug/L
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Naphthalene	< 0.02	U	ug/L
MGP-MW-21-24Q1	40276453017	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-21-24Q1	40276453017	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 6010D	Iron, Dissolved	< 56.7	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 6010D	Manganese, Dissolved	< 1.5	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Benzo(ghi)perylene	< 0.023	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.022	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.018	U	ug/L
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.015	U	ug/L
MGP-MW-22-24Q1	40276453018	SM 2320B	Alkalinity, Bicarbonate as CaCO3	< 5	U	mg/L
MGP-MW-22-24Q1	40276453018	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Iron, Dissolved	< 56.7	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Manganese, Dissolved	< 1.5	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-2-24Q1	40276453002	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8015C	TPH (C28-C36)	< 0.027	U	mg/L
MGP-MW-2-24Q1	40276453002	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Acenaphthene	< 0.013	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Acenaphthylene	< 0.012	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Anthracene	< 0.018	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Benzo(a)anthracene	< 0.013	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Benzo(a)pyrene	< 0.012	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.0087	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Benzo(ghi)perylene	< 0.022	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.021	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Chrysene	< 0.012	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.017	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Fluoranthene	< 0.025	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Fluorene	< 0.022	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.015	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Naphthalene	< 0.019	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Phenanthrene	< 0.024	U	ug/L
MGP-MW-2-24Q1	40276453002	EPA 8270E SIM	Pyrene	< 0.021	U	ug/L
MGP-MW-2-24Q1	40276453002	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-2-24Q1	40276453002	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-2-24Q1	40276453002	SW846 8015M	Methane	< 0.58	U	ug/L
MGP-MW-2-24Q1	40276453002	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Acenaphthylene	< 0.013	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Anthracene	< 0.019	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Benzo(a)anthracene	< 0.014	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Benzo(a)pyrene	< 0.013	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.0093	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Benzo(ghi)perylene	< 0.024	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.023	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Chrysene	< 0.013	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.018	U	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Fluorene	< 0.024	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.016	U	ug/L
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Phenanthrene	< 0.026	U	ug/L
MGP-MW-27-24Q1	40276453027	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Acenaphthylene	< 0.012	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Anthracene	< 0.018	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Benzo(a)anthracene	< 0.013	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Benzo(a)pyrene	< 0.012	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.0088	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Benzo(ghi)perylene	< 0.023	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.022	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Chrysene	< 0.012	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.017	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Fluoranthene	< 0.025	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Fluorene	< 0.023	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.015	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Phenanthrene	< 0.025	U	ug/L
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Pyrene	< 0.022	U	ug/L
MGP-MW-28-24Q1	40276453020	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-28-24Q1	40276453020	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-28-24Q1	40276453020	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-29-24Q1	40276453019	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-29-24Q1	40276453019	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-29-24Q1	40276453019	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-29-24Q1	40276453019	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-29-24Q1	40276453019	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-29-24Q1	40276453019	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-29-24Q1	40276453019	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-29-24Q1	40276453019	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-29-24Q1	40276453019	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-29-24Q1	40276453019	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-29-24Q1	40276453019	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-29-24Q1	40276453019	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.14	U	ug/L
MGP-MW-29-24Q1	40276453019	SM 2320B	Alkalinity, Bicarbonate as CaCO3	< 5	U	mg/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-30-24Q1	40276453028	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Iron, Dissolved	< 56.7	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Benzo(ghi)perylene	< 0.023	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.022	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.018	U	ug/L
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.015	U	ug/L
MGP-MW-30-24Q1	40276453028	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-30-24Q1	40276453028	SW846 8015M	Methane	< 0.58	U	ug/L
MGP-MW-30-24Q1	40276453028	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Iron, Dissolved	< 56.7	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Acenaphthene	< 0.014	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Acenaphthylene	< 0.013	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Anthracene	< 0.019	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Benzo(a)anthracene	< 0.014	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Benzo(a)pyrene	< 0.013	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.0091	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Benzo(ghi)perylene	< 0.023	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.022	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Chrysene	< 0.013	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.018	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Fluoranthene	< 0.026	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Fluorene	< 0.024	U	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.016	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Phenanthrene	< 0.026	U	ug/L
MGP-MW-31-24Q1	40276453029	EPA 8270E SIM	Pyrene	< 0.023	U	ug/L
MGP-MW-31-24Q1	40276453029	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-31-24Q1	40276453029	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 8015C	TPH (C28-C36)	< 0.11	U	mg/L
MGP-MW-3B-24Q1	40276453005	EPA 8260	Styrene	< 1.8	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 8270E SIM	Benzo(a)anthracene	< 0.65	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 8270E SIM	Benzo(a)pyrene	< 0.61	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.44	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 8270E SIM	Benzo(ghi)perylene	< 1.1	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 8270E SIM	Benzo(k)fluoranthene	< 1.1	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 8270E SIM	Chrysene	< 0.61	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.86	U	ug/L
MGP-MW-3B-24Q1	40276453005	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.75	U	ug/L
MGP-MW-3B-24Q1	40276453005	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-4B-24Q1	40276453003	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Iron, Dissolved	< 56.7	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Acenaphthene	< 0.013	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Acenaphthylene	< 0.012	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Anthracene	< 0.017	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Benzo(a)anthracene	< 0.013	U	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Benzo(a)pyrene	< 0.012	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.0086	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Benzo(ghi)perylene	< 0.022	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.021	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Chrysene	< 0.012	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.017	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Fluoranthene	< 0.025	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Fluorene	< 0.022	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.015	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Naphthalene	< 0.019	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Phenanthrene	< 0.024	U	ug/L
MGP-MW-4B-24Q1	40276453003	EPA 8270E SIM	Pyrene	< 0.021	U	ug/L
MGP-MW-4B-24Q1	40276453003	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-4B-24Q1	40276453003	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-4B-24Q1	40276453003	SW846 8015M	Methane	< 0.58	U	ug/L
MGP-MW-4B-24Q1	40276453003	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8270E SIM	Acenaphthylene	< 0.012	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8270E SIM	Anthracene	< 0.018	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8270E SIM	Benzo(a)anthracene	< 0.013	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8270E SIM	Benzo(a)pyrene	< 0.012	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.0088	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8270E SIM	Benzo(ghi)perylene	< 0.022	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.022	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8270E SIM	Chrysene	< 0.012	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.017	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8270E SIM	Fluoranthene	< 0.025	U	ug/L
MGP-MW-5-24Q1	40276453004	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.015	U	ug/L
MGP-MW-5-24Q1	40276453004	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-5-24Q1	40276453004	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-5-24Q1	40276453004	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 8015C	TPH (C28-C36)	< 1.4	U	mg/L
MGP-MW-6R-24Q1	40276453024	EPA 8270E SIM	Anthracene	< 5.5	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 8270E SIM	Benzo(a)anthracene	< 4.1	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 8270E SIM	Benzo(a)pyrene	< 3.8	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 8270E SIM	Benzo(b)fluoranthene	< 2.7	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 8270E SIM	Benzo(ghi)perylene	< 6.9	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 8270E SIM	Benzo(k)fluoranthene	< 6.7	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 8270E SIM	Chrysene	< 3.8	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 5.3	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 8270E SIM	Fluoranthene	< 7.8	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 4.6	U	ug/L
MGP-MW-6R-24Q1	40276453024	EPA 8270E SIM	Pyrene	< 6.7	U	ug/L
MGP-MW-6R-24Q1	40276453024	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-7R-24Q1	40276453025	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 8270E SIM	Benzo(a)pyrene	< 0.013	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 8270E SIM	Benzo(ghi)perylene	< 0.023	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.022	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.018	U	ug/L
MGP-MW-7R-24Q1	40276453025	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.015	U	ug/L
MGP-MW-7R-24Q1	40276453025	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-7R-24Q1	40276453025	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-7R-24Q1	40276453025	SW846 8015M	Methane	< 0.58	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Manganese, Dissolved	< 1.5	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 8270E SIM	Benzo(a)anthracene	< 1.3	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 8270E SIM	Benzo(a)pyrene	< 1.3	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.9	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 8270E SIM	Benzo(ghi)perylene	< 2.3	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 8270E SIM	Benzo(k)fluoranthene	< 2.2	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 8270E SIM	Chrysene	< 1.2	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 1.8	U	ug/L
MGP-MW-8R-24Q1	40276453026	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 1.5	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Iron, Dissolved	< 56.7	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 8260	Styrene	< 14.3	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 8270E SIM	Benzo(a)pyrene	< 0.98	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.71	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 8270E SIM	Benzo(ghi)perylene	< 1.8	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 8270E SIM	Benzo(k)fluoranthene	< 1.7	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 1.4	U	ug/L
MGP-MW-9-24Q1	40276453006	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 1.2	U	ug/L
MGP-MW-FD-1	40276453010	EPA 353.2	Nitrogen, NO3 + NO2	< 0.059	U	mg/L
MGP-MW-FD-1	40276453010	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-FD-1	40276453010	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-FD-1	40276453010	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-FD-1	40276453010	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-FD-1	40276453010	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-FD-1	40276453010	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-FD-1	40276453010	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-FD-1	40276453010	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-FD-1	40276453010	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-FD-1	40276453010	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-FD-1	40276453010	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-FD-1	40276453010	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-FD-1	40276453010	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-FD-1	40276453010	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-FD-1	40276453010	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-FD-1	40276453010	EPA 8015C	TPH (C28-C36)	< 0.14	U	mg/L
MGP-MW-FD-1	40276453010	EPA 8260	Styrene	< 3.6	U	ug/L
MGP-MW-FD-1	40276453010	EPA 8270E SIM	Benzo(a)anthracene	< 0.97	U	ug/L
MGP-MW-FD-1	40276453010	EPA 8270E SIM	Benzo(a)pyrene	< 0.91	U	ug/L
MGP-MW-FD-1	40276453010	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.65	U	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-FD-1	40276453010	EPA 8270E SIM	Benzo(ghi)perylene	< 1.7	U	ug/L
MGP-MW-FD-1	40276453010	EPA 8270E SIM	Benzo(k)fluoranthene	< 1.6	U	ug/L
MGP-MW-FD-1	40276453010	EPA 8270E SIM	Chrysene	< 0.9	U	ug/L
MGP-MW-FD-1	40276453010	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 1.3	U	ug/L
MGP-MW-FD-1	40276453010	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 1.1	U	ug/L
MGP-MW-FD-1	40276453010	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-FD-2	40276453022	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-FD-2	40276453022	EPA 6010D	Arsenic, Dissolved	< 8.3	U	ug/L
MGP-MW-FD-2	40276453022	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-FD-2	40276453022	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-FD-2	40276453022	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-FD-2	40276453022	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-FD-2	40276453022	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-FD-2	40276453022	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-FD-2	40276453022	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-FD-2	40276453022	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-FD-2	40276453022	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-FD-2	40276453022	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-FD-2	40276453022	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-FD-2	40276453022	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Acenaphthylene	< 0.012	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Anthracene	< 0.018	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Benzo(a)anthracene	< 0.013	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Benzo(a)pyrene	< 0.012	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.0087	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Benzo(ghi)perylene	< 0.022	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.021	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Chrysene	< 0.012	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.017	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Fluoranthene	< 0.025	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Fluorene	< 0.022	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.015	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Phenanthrene	< 0.024	U	ug/L
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Pyrene	< 0.022	U	ug/L
MGP-MW-FD-2	40276453022	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-FD-2	40276453022	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-FD-2	40276453022	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-FD-3	40276453030	EPA 6010D	Antimony, Dissolved	< 7.6	U	ug/L
MGP-MW-FD-3	40276453030	EPA 6010D	Beryllium, Dissolved	< 0.53	U	ug/L
MGP-MW-FD-3	40276453030	EPA 6010D	Cadmium, Dissolved	< 1.3	U	ug/L
MGP-MW-FD-3	40276453030	EPA 6010D	Chromium, Dissolved	< 2.5	U	ug/L
MGP-MW-FD-3	40276453030	EPA 6010D	Cobalt, Dissolved	< 1.4	U	ug/L
MGP-MW-FD-3	40276453030	EPA 6010D	Copper, Dissolved	< 3.4	U	ug/L
MGP-MW-FD-3	40276453030	EPA 6010D	Lead, Dissolved	< 5.9	U	ug/L
MGP-MW-FD-3	40276453030	EPA 6010D	Nickel, Dissolved	< 2.6	U	ug/L
MGP-MW-FD-3	40276453030	EPA 6010D	Selenium, Dissolved	< 12.2	U	ug/L
MGP-MW-FD-3	40276453030	EPA 6010D	Silver, Dissolved	< 3.2	U	ug/L
MGP-MW-FD-3	40276453030	EPA 6010D	Thallium, Dissolved	< 10	U	ug/L
MGP-MW-FD-3	40276453030	EPA 6010D	Vanadium, Dissolved	< 2.6	U	ug/L
MGP-MW-FD-3	40276453030	EPA 6010D	Zinc, Dissolved	< 11.6	U	ug/L
MGP-MW-FD-3	40276453030	EPA 7470	Mercury, Dissolved	< 0.066	U	ug/L

Table 8 (continued)

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-MW-FD-3	40276453030	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Acenaphthylene	< 0.013	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Anthracene	< 0.019	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Benzo(a)anthracene	< 0.014	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Benzo(a)pyrene	< 0.013	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Benzo(b)fluoranthene	< 0.0095	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Benzo(ghi)perylene	< 0.024	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Benzo(k)fluoranthene	< 0.023	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Chrysene	< 0.013	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Dibenzo(a,h)anthracene	< 0.019	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Fluoranthene	< 0.027	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Fluorene	< 0.025	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	< 0.016	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Naphthalene	< 0.021	U	ug/L
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Pyrene	< 0.024	U	ug/L
MGP-MW-FD-3	40276453030	SM 2320B	Alkalinity, Carbonate as CaCO3	< 5	U	mg/L
MGP-MW-FD-3	40276453030	SM 4500 S F (2000)	Sulfide	< 1.2	U	mg/L
MGP-MW-FD-3	40276453030	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-TB-1	40276453009	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-TB-1	40276453009	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-TB-1	40276453009	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-TB-1	40276453009	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-TB-1	40276453009	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-TB-1	40276453009	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-TB-2	40276453021	EPA 8260	Benzene	< 0.3	U	ug/L
MGP-MW-TB-2	40276453021	EPA 8260	Ethylbenzene	< 0.33	U	ug/L
MGP-MW-TB-2	40276453021	EPA 8260	Styrene	< 0.36	U	ug/L
MGP-MW-TB-2	40276453021	EPA 8260	Toluene	< 0.29	U	ug/L
MGP-MW-TB-2	40276453021	EPA 8260	Xylenes, Total	< 1	U	ug/L
MGP-MW-TB-2	40276453021	WI MOD GRO	Gasoline Range Organics	< 30.5	U	ug/L
MGP-MW-22-24Q1	40276453018	SM 4500 S F (2000)	Sulfide	< 1.2	U,1q	mg/L
MGP-MW-27-24Q1	40276453027	SM 4500 S F (2000)	Sulfide	< 1.2	U,1q	mg/L
MGP-MW-31-24Q1	40276453029	SM 4500 S F (2000)	Sulfide	< 1.2	U,1q	mg/L
MGP-MW-21-24Q1	40276453017	EPA 300	Sulfate	< 2.2	U,D3	mg/L
MGP-MW-21-24Q1	40276453017	SM 4500 S F (2000)	Sulfide	< 4.8	U,D3	mg/L
MGP-MW-22-24Q1	40276453018	EPA 300	Sulfate	< 44.4	U,D3	mg/L
MGP-MW-29-24Q1	40276453019	EPA 300	Sulfate	< 44.4	U,D3	mg/L
MGP-MW-9-24Q1	40276453006	EPA 300	Sulfate	< 44.4	U,D3	mg/L
MGP-MW-29-24Q1	40276453019	SM 4500 S F (2000)	Sulfide	< 2.4	U,D3,1q	mg/L
MGP-MW-30-24Q1	40276453028	SM 4500 S F (2000)	Sulfide	< 1.2	U,P4,1q	mg/L

Notes:

- 1q = Sample was received with headspace
- < = less than
- B = Analyte was detected in the associated method blank
- D3 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference
- G = Early peaks present outside the GRO window
- G+ = Late peaks present outside the GRO window
- GO = Early and late peaks present outside the GRO window
- J = Estimated value
- L1 = Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

Prepared by: JAM8
Checked by: TSB

**Table 9
Qualified Results from Data Validation**

Sample ID	Lab Sample ID	Method	Parameter	Result	Lab Qualifier	Units	Qualified Result	Validator Qualifier	Explanation
MGP-MW-1-24Q1	40276453001	EPA 300	Sulfate	474	M0	mg/L	474	J+	Estimated result biased high; MS and/or MSD recovery outside control limits
MGP-MW-1-24Q1	40276453001	EPA 6010D	Copper, Dissolved	3.9	J	ug/L	3.9	J	Estimated result
MGP-MW-1-24Q1	40276453001	EPA 6010D	Vanadium, Dissolved	3	J	ug/L	3	J	Estimated result
MGP-MW-1-24Q1	40276453001	EPA 8270E SIM	Naphthalene	0.022	J	ug/L	0.022	J	Estimated result
MGP-MW-1-24Q1	40276453001	EPA 8015C	TPH-Diesel (C10-C28)	0.047	J,B	mg/L	0.047	J	Estimated result
MGP-MW-2-24Q1	40276453002	EPA 6010D	Vanadium, Dissolved	3.5	J	ug/L	3.5	J	Estimated result
MGP-MW-2-24Q1	40276453002	EPA 8015C	TPH-Diesel (C10-C28)	0.052	J,B	mg/L	0.052	J	Estimated result
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Copper, Dissolved	5.1	J	ug/L	5.1	J	Estimated result
MGP-MW-4B-24Q1	40276453003	EPA 6010D	Vanadium, Dissolved	5.1	J	ug/L	5.1	J	Estimated result
MGP-MW-4B-24Q1	40276453003	EPA 8015C	TPH (C28-C36)	0.041	J	mg/L	0.041	J	Estimated result
MGP-MW-4B-24Q1	40276453003	EPA 8015C	TPH-Diesel (C10-C28)	0.081	J,B	mg/L	0.081	J	Estimated result
MGP-MW-5-24Q1	40276453004	EPA 8015C	TPH (C28-C36)	0.07	J	mg/L	0.07	J	Estimated result
MGP-MW-5-24Q1	40276453004	EPA 8270E SIM	Pyrene	0.023	J	ug/L	0.023	J	Estimated result
MGP-MW-3B-24Q1	40276453005	SM 2320B	Alkalinity as CaCO3	449	M0	mg/L	449	J-	Estimated result biased low; MS and/or MSD recovery outside control limits
MGP-MW-3B-24Q1	40276453005	SW846 8015M	Methane	312		ug/L	312	J	Estimated result; Parent/field duplicate RPD outside control limits
MGP-MW-3B-24Q1	40276453005	WI MOD GRO	Gasoline Range Organics	3970	GO	ug/L	3970	NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.
MGP-MW-3B-24Q1	40276453005	SM 4500 S F (2000)	Sulfide	1.2	J	mg/L	1.2	J	Estimated result
MGP-MW-9-24Q1	40276453006	WI MOD GRO	Gasoline Range Organics	13000	GO	ug/L	13000	NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.
MGP-MW-9-24Q1	40276453006	EPA 6010D	Arsenic, Dissolved	13.3	J	ug/L	13.3	J	Estimated result
MGP-MW-9-24Q1	40276453006	EPA 6010D	Nickel, Dissolved	5.9	J	ug/L	5.9	J	Estimated result
MGP-MW-9-24Q1	40276453006	EPA 8015C	TPH (C28-C36)	1.4	J	mg/L	1.4	J	Estimated result
MGP-MW-9-24Q1	40276453006	EPA 8270E SIM	Acenaphthylene	2.6	J	ug/L	2.6	J	Estimated result
MGP-MW-9-24Q1	40276453006	EPA 8270E SIM	Benzo(a)anthracene	1.7	J	ug/L	1.7	J	Estimated result
MGP-MW-9-24Q1	40276453006	EPA 8270E SIM	Chrysene	1.3	J	ug/L	1.3	J	Estimated result
MGP-MW-10-24Q1	40276453007	WI MOD GRO	Gasoline Range Organics	107	GO	ug/L	107	NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.
MGP-MW-10-24Q1	40276453007	EPA 353.2	Nitrogen, NO3 + NO2	0.062	J	mg/L	0.062	J	Estimated result
MGP-MW-10-24Q1	40276453007	EPA 8015C	TPH (C28-C36)	0.042	J	mg/L	0.042	J	Estimated result
MGP-MW-10-24Q1	40276453007	EPA 8260	Ethylbenzene	0.41	J	ug/L	0.41	J	Estimated result
MGP-MW-10-24Q1	40276453007	EPA 8260	Xylenes, Total	1.6	J	ug/L	1.6	J	Estimated result

Table 9 (continued)

Sample ID	Lab Sample ID	Method	Parameter	Result	Lab Qualifier	Units	Qualified Result	Validator Qualifier	Explanation
MGP-MW-10-24Q1	40276453007	EPA 8270E SIM	Dibenzo(a,h)anthracene	0.027	J	ug/L	0.027	J	Estimated result
MGP-MW-11-24Q1	40276453008	EPA 8015C	TPH (C28-C36)	0.043	J	mg/L	0.043	J	Estimated result
MGP-MW-11-24Q1	40276453008	EPA 8270E SIM	Benzo(k)fluoranthene	0.034	J	ug/L	0.034	J	Estimated result
MGP-MW-FD-1	40276453010	SW846 8015M	Methane	574		ug/L	574	J	Estimated result; Parent/field duplicate RPD outside control limits
MGP-MW-FD-1	40276453010	WI MOD GRO	Gasoline Range Organics	3600	GO	ug/L	3600	NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.
MGP-MW-FD-1	40276453010	EPA 8270E SIM	Fluoranthene	3.2	J	ug/L	3.2	J	Estimated result
MGP-MW-FD-1	40276453010	EPA 8270E SIM	Pyrene	3	J	ug/L	3	J	Estimated result
MGP-MW-FD-1	40276453010	SM 4500 S F (2000)	Sulfide	1.2	J	mg/L	1.2	J	Estimated result
MGP-MW-12-24Q1	40276453011	EPA 8015C	TPH (C28-C36)	0.037	J	mg/L	0.037	J	Estimated result
MGP-MW-12-24Q1	40276453011	EPA 8260	Benzene	0.39	J	ug/L	0.39	J	Estimated result
MGP-MW-12-24Q1	40276453011	EPA 8270E SIM	Benzo(a)anthracene	0.064	J	ug/L	0.064	J	Estimated result
MGP-MW-12-24Q1	40276453011	EPA 8270E SIM	Benzo(a)pyrene	0.026	J	ug/L	0.026	J	Estimated result
MGP-MW-12-24Q1	40276453011	EPA 8270E SIM	Benzo(b)fluoranthene	0.029	J	ug/L	0.029	J	Estimated result
MGP-MW-12-24Q1	40276453011	EPA 8270E SIM	Chrysene	0.065	J	ug/L	0.065	J	Estimated result
MGP-MW-13-24Q1	40276453012	EPA 8015C	TPH (C28-C36)	0.056	J	mg/L	0.056	J	Estimated result
MGP-MW-13-24Q1	40276453012	EPA 8260	Benzene	0.44	J	ug/L	0.44	J	Estimated result
MGP-MW-13-24Q1	40276453012	EPA 8260	Toluene	0.3	J	ug/L	0.3	J	Estimated result
MGP-MW-13-24Q1	40276453012	EPA 8270E SIM	Dibenzo(a,h)anthracene	0.049	J	ug/L	0.049	J	Estimated result
MGP-MW-14-24Q1	40276453013	EPA 6010D	Copper, Dissolved	5	J	ug/L	5	J	Estimated result
MGP-MW-14-24Q1	40276453013	EPA 8015C	TPH (C28-C36)	0.065	J	mg/L	0.065	J	Estimated result
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Acenaphthene	0.031	J	ug/L	0.031	J	Estimated result
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Acenaphthylene	0.027	J	ug/L	0.027	J	Estimated result
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Anthracene	0.033	J	ug/L	0.033	J	Estimated result
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Benzo(a)anthracene	0.049	J	ug/L	0.049	J	Estimated result
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Benzo(a)pyrene	0.047	J	ug/L	0.047	J	Estimated result
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Benzo(b)fluoranthene	0.048	J	ug/L	0.048	J	Estimated result
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Benzo(ghi)perylene	0.033	J	ug/L	0.033	J	Estimated result
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Fluorene	0.028	J	ug/L	0.028	J	Estimated result
MGP-MW-14-24Q1	40276453013	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	0.028	J	ug/L	0.028	J	Estimated result
MGP-MW-15-24Q1	40276453014	EPA 8015C	TPH (C28-C36)	0.037	J	mg/L	0.037	J	Estimated result
MGP-MW-16-24Q1	40276453015	EPA 6010D	Cobalt, Dissolved	3.2	J	ug/L	3.2	J	Estimated result
MGP-MW-16-24Q1	40276453015	EPA 6010D	Copper, Dissolved	4.1	J	ug/L	4.1	J	Estimated result
MGP-MW-16-24Q1	40276453015	EPA 6010D	Nickel, Dissolved	5.1	J	ug/L	5.1	J	Estimated result
MGP-MW-16-24Q1	40276453015	EPA 8015C	TPH (C28-C36)	0.032	J	mg/L	0.032	J	Estimated result
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Acenaphthene	0.035	J	ug/L	0.035	J	Estimated result

Table 9 (continued)

Sample ID	Lab Sample ID	Method	Parameter	Result	Lab Qualifier	Units	Qualified Result	Validator Qualifier	Explanation
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Anthracene	0.021	J	ug/L	0.021	J	Estimated result
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Benzo(a)anthracene	0.016	J	ug/L	0.016	J	Estimated result
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Chrysene	0.013	J	ug/L	0.013	J	Estimated result
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Fluoranthene	0.038	J	ug/L	0.038	J	Estimated result
MGP-MW-16-24Q1	40276453015	EPA 8270E SIM	Pyrene	0.041	J	ug/L	0.041	J	Estimated result
MGP-MW-16-24Q1	40276453015	EPA 8015C	TPH-Diesel (C10-C28)	0.058	J,B	mg/L	0.058	J	Estimated result
MGP-MW-17-24Q1	40276453016	EPA 353.2	Nitrogen, NO3 + NO2	0.16	J	mg/L	0.16	J	Estimated result
MGP-MW-17-24Q1	40276453016	EPA 6010D	Cobalt, Dissolved	3.1	J	ug/L	3.1	J	Estimated result
MGP-MW-17-24Q1	40276453016	EPA 8015C	TPH (C28-C36)	0.06	J	mg/L	0.06	J	Estimated result
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Acenaphthene	0.035	J	ug/L	0.035	J	Estimated result
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Anthracene	0.019	J	ug/L	0.019	J	Estimated result
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Benzo(a)anthracene	0.017	J	ug/L	0.017	J	Estimated result
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Chrysene	0.014	J	ug/L	0.014	J	Estimated result
MGP-MW-17-24Q1	40276453016	EPA 8270E SIM	Naphthalene	0.024	J	ug/L	0.024	J	Estimated result
MGP-MW-17-24Q1	40276453016	EPA 300	Sulfate	4.1	J,D3	mg/L	4.1	J	Estimated result
MGP-MW-21-24Q1	40276453017	SW846 8015M	Methane	13600		ug/L	13600	J	Estimated result; Parent/field duplicate RPD outside control limits
MGP-MW-21-24Q1	40276453017	EPA 6010D	Arsenic, Dissolved	10.6	J	ug/L	10.6	J	Estimated result
MGP-MW-21-24Q1	40276453017	EPA 6010D	Cobalt, Dissolved	2	J	ug/L	2	J	Estimated result
MGP-MW-21-24Q1	40276453017	EPA 8015C	TPH (C28-C36)	0.056	J	mg/L	0.056	J	Estimated result
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Acenaphthene	0.036	J	ug/L	0.036	J	Estimated result
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Fluoranthene	0.027	J	ug/L	0.027	J	Estimated result
MGP-MW-21-24Q1	40276453017	EPA 8270E SIM	Pyrene	0.034	J	ug/L	0.034	J	Estimated result
MGP-MW-22-24Q1	40276453018	EPA 6010D	Chromium, Dissolved	3	J	ug/L	3	J	Estimated result
MGP-MW-22-24Q1	40276453018	EPA 6010D	Nickel, Dissolved	9.9	J	ug/L	9.9	J	Estimated result
MGP-MW-22-24Q1	40276453018	EPA 6010D	Zinc, Dissolved	11.9	J	ug/L	11.9	J	Estimated result
MGP-MW-22-24Q1	40276453018	EPA 8015C	TPH (C28-C36)	0.042	J	mg/L	0.042	J	Estimated result
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Acenaphthylene	0.015	J	ug/L	0.015	J	Estimated result
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Anthracene	0.036	J	ug/L	0.036	J	Estimated result
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Benzo(a)anthracene	0.036	J	ug/L	0.036	J	Estimated result
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Benzo(a)pyrene	0.022	J	ug/L	0.022	J	Estimated result
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Benzo(b)fluoranthene	0.02	J	ug/L	0.02	J	Estimated result
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Chrysene	0.031	J	ug/L	0.031	J	Estimated result
MGP-MW-22-24Q1	40276453018	EPA 8270E SIM	Fluorene	0.043	J	ug/L	0.043	J	Estimated result
MGP-MW-29-24Q1	40276453019	WI MOD GRO	Gasoline Range Organics	858	GO	ug/L	858	NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.
MGP-MW-29-24Q1	40276453019	EPA 6010D	Beryllium, Dissolved	0.73	J	ug/L	0.73	J	Estimated result

Table 9 (continued)

Sample ID	Lab Sample ID	Method	Parameter	Result	Lab Qualifier	Units	Qualified Result	Validator Qualifier	Explanation
MGP-MW-29-24Q1	40276453019	EPA 8015C	TPH (C28-C36)	0.18	J	mg/L	0.18	J	Estimated result
MGP-MW-29-24Q1	40276453019	EPA 8270E SIM	Benzo(ghi)perylene	0.35	J	ug/L	0.35	J	Estimated result
MGP-MW-29-24Q1	40276453019	EPA 8270E SIM	Benzo(k)fluoranthene	0.23	J	ug/L	0.23	J	Estimated result
MGP-MW-29-24Q1	40276453019	EPA 8270E SIM	Indeno(1,2,3-cd)pyrene	0.26	J	ug/L	0.26	J	Estimated result
MGP-MW-28-24Q1	40276453020	EPA 8015C	TPH (C28-C36)	0.041	J	mg/L	0.041	J	Estimated result
MGP-MW-28-24Q1	40276453020	EPA 8270E SIM	Acenaphthene	0.044	J	ug/L	0.044	J	Estimated result
MGP-MW-28-24Q1	40276453020	EPA 8015C	TPH-Diesel (C10-C28)	0.079	J,B	mg/L	0.079	J	Estimated result
MGP-MW-FD-2	40276453022	EPA 6010D	Copper, Dissolved	3.4	J	ug/L	3.4	J	Estimated result
MGP-MW-FD-2	40276453022	EPA 8015C	TPH (C28-C36)	0.035	J	mg/L	0.035	J	Estimated result
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Acenaphthene	0.031	J	ug/L	0.031	J	Estimated result
MGP-MW-FD-2	40276453022	EPA 8270E SIM	Naphthalene	0.024	J	ug/L	0.024	J	Estimated result
MGP-MW-FD-2	40276453022	EPA 8015C	TPH-Diesel (C10-C28)	0.068	J,B	mg/L	0.068	J	Estimated result
MGP-MW-20R-24Q1	40276453023	EPA 8015C	TPH - Diesel (C10-C28)	0.87	M0	mg/L	0.87	J	Estimated result; MS/MSD recovery outside control limits
MGP-MW-20R-24Q1	40276453023	SW846 8015M	Methane	673	M1	ug/L	673	J	Estimated result; MS and/or MSD recovery outside control limits
MGP-MW-20R-24Q1	40276453023	SM 2320B	Alkalinity as CaCO3	402	M0	mg/L	402	J-	Estimated result biased low; MS and/or MSD recovery outside control limits
MGP-MW-20R-24Q1	40276453023	WI MOD GRO	Gasoline Range Organics	181	GO	ug/L	181	NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.
MGP-MW-20R-24Q1	40276453023	EPA 8270E SIM	Benzo(a)anthracene	0.038	J	ug/L	0.038	J	Estimated result
MGP-MW-20R-24Q1	40276453023	EPA 8270E SIM	Benzo(b)fluoranthene	0.019	J	ug/L	0.019	J	Estimated result
MGP-MW-20R-24Q1	40276453023	EPA 8270E SIM	Chrysene	0.028	J	ug/L	0.028	J	Estimated result
MGP-MW-6R-24Q1	40276453024	WI MOD GRO	Gasoline Range Organics	1220	G+	ug/L	1220	NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Iron, Dissolved	60.7	J	ug/L	60.7	J	Estimated result
MGP-MW-6R-24Q1	40276453024	EPA 6010D	Vanadium, Dissolved	4.6	J	ug/L	4.6	J	Estimated result
MGP-MW-6R-24Q1	40276453024	SM 4500 S F (2000)	Sulfide	10.4	J,D3,1q	mg/L	10.4	J	Estimated result
MGP-MW-7R-24Q1	40276453025	EPA 6010D	Copper, Dissolved	3.9	J	ug/L	3.9	J	Estimated result
MGP-MW-7R-24Q1	40276453025	EPA 8015C	TPH (C28-C36)	0.039	J	mg/L	0.039	J	Estimated result
MGP-MW-7R-24Q1	40276453025	EPA 8270E SIM	Acenaphthylene	0.035	J	ug/L	0.035	J	Estimated result
MGP-MW-7R-24Q1	40276453025	EPA 8270E SIM	Benzo(a)anthracene	0.017	J	ug/L	0.017	J	Estimated result
MGP-MW-7R-24Q1	40276453025	EPA 8270E SIM	Benzo(b)fluoranthene	0.01	J	ug/L	0.01	J	Estimated result
MGP-MW-7R-24Q1	40276453025	EPA 8270E SIM	Chrysene	0.013	J	ug/L	0.013	J	Estimated result
MGP-MW-7R-24Q1	40276453025	WI MOD GRO	Gasoline Range Organics	37	J	ug/L	37	J	Estimated result

Table 9 (continued)

Sample ID	Lab Sample ID	Method	Parameter	Result	Lab Qualifier	Units	Qualified Result	Validator Qualifier	Explanation
MGP-MW-8R-24Q1	40276453026	WI MOD GRO	Gasoline Range Organics	3880	G+	ug/L	3880	NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.
MGP-MW-8R-24Q1	40276453026	EPA 6010D	Arsenic, Dissolved	13.2	J	ug/L	13.2	J	Estimated result
MGP-MW-8R-24Q1	40276453026	EPA 8015C	TPH (C28-C36)	0.92	J	mg/L	0.92	J	Estimated result
MGP-MW-8R-24Q1	40276453026	EPA 8270E SIM	Fluoranthene	2.8	J	ug/L	2.8	J	Estimated result
MGP-MW-8R-24Q1	40276453026	EPA 8270E SIM	Pyrene	2.8	J	ug/L	2.8	J	Estimated result
MGP-MW-27-24Q1	40276453027	EPA 8015C	TPH - Diesel (C10-C28)	0.23	M0,B	mg/L	0.23	J	Estimated result; MS/MSD recovery outside control limits
MGP-MW-27-24Q1	40276453027	EPA 300	Sulfate	80.7	M0	mg/L	80.7	J+	Estimated result biased high; MS and/or MSD recovery outside control limits
MGP-MW-27-24Q1	40276453027	SW846 8015M	Methane	151	M1	ug/L	151	J	Estimated result; MS and/or MSD recovery outside control limits
MGP-MW-27-24Q1	40276453027	SM 2320B	Alkalinity as CaCO3	49.7	M0	mg/L	49.7	J-	Estimated result biased low; MS and/or MSD recovery outside control limits
MGP-MW-27-24Q1	40276453027	WI MOD GRO	Gasoline Range Organics	73	G-	ug/L	73	NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.
MGP-MW-27-24Q1	40276453027	EPA 8015C	TPH (C28-C36)	0.072	J	mg/L	0.072	J	Estimated result
MGP-MW-27-24Q1	40276453027	EPA 8260	Ethylbenzene	0.66	J	ug/L	0.66	J	Estimated result
MGP-MW-27-24Q1	40276453027	EPA 8260	Styrene	0.56	J	ug/L	0.56	J	Estimated result
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Acenaphthene	0.022	J	ug/L	0.022	J	Estimated result
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Fluoranthene	0.029	J	ug/L	0.029	J	Estimated result
MGP-MW-27-24Q1	40276453027	EPA 8270E SIM	Pyrene	0.03	J	ug/L	0.03	J	Estimated result
MGP-MW-30-24Q1	40276453028	SM 4500 S F (2000)	Sulfide	< 1.2	U,P4,1q	mg/L	< 1.2	UJ	Estimated result; Sample field preservation does not meet EPA or method recommendations
MGP-MW-30-24Q1	40276453028	EPA 353.2	Nitrogen, NO3 + NO2	0.16	J	mg/L	0.16	J	Estimated result
MGP-MW-30-24Q1	40276453028	EPA 6010D	Copper, Dissolved	3.8	J	ug/L	3.8	J	Estimated result
MGP-MW-30-24Q1	40276453028	EPA 6010D	Vanadium, Dissolved	2.7	J	ug/L	2.7	J	Estimated result
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Acenaphthylene	0.043	J	ug/L	0.043	J	Estimated result
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Anthracene	0.048	J	ug/L	0.048	J	Estimated result
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Benzo(a)anthracene	0.032	J	ug/L	0.032	J	Estimated result
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Benzo(a)pyrene	0.017	J	ug/L	0.017	J	Estimated result
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Benzo(b)fluoranthene	0.019	J	ug/L	0.019	J	Estimated result
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Chrysene	0.03	J	ug/L	0.03	J	Estimated result
MGP-MW-30-24Q1	40276453028	EPA 8270E SIM	Naphthalene	0.046	J	ug/L	0.046	J	Estimated result
MGP-MW-31-24Q1	40276453029	EPA 6010D	Vanadium, Dissolved	2.8	J	ug/L	2.8	J	Estimated result

Table 9 (continued)

Sample ID	Lab Sample ID	Method	Parameter	Result	Lab Qualifier	Units	Qualified Result	Validator Qualifier	Explanation
MGP-MW-FD-3	40276453030	SW846 8015M	Methane	6680		ug/L	6680	J	Estimated result; Parent/field duplicate RPD outside control limits
MGP-MW-FD-3	40276453030	EPA 300	Sulfate	0.46	J	mg/L	0.46	J	Estimated result
MGP-MW-FD-3	40276453030	EPA 353.2	Nitrogen, NO3 + NO2	0.086	J	mg/L	0.086	J	Estimated result
MGP-MW-FD-3	40276453030	EPA 6010D	Arsenic, Dissolved	13.6	J	ug/L	13.6	J	Estimated result
MGP-MW-FD-3	40276453030	EPA 8015C	TPH (C28-C36)	0.061	J	mg/L	0.061	J	Estimated result
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Acenaphthene	0.028	J	ug/L	0.028	J	Estimated result
MGP-MW-FD-3	40276453030	EPA 8270E SIM	Phenanthrene	0.05	J	ug/L	0.05	J	Estimated result

Notes: Prepared by: JAM8
Checked by: TSB

Bolded = qualifiers that were changed during validation

The laboratory "U" flagged data (i.e. non-detects) are not included in this table but are shown in Table 8; only data restated as non-detected during validation are included here.

All J flags, whether lab assigned or validator assigned are included.

1q = Sample was received with headspace

B = Analyte was detected in the associated method blank

D3 = Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference

G- = Early peaks present outside the GRO window

G+ = Late peaks present outside the GRO window

GO = Early and late peaks present outside the GRO window

J = Estimated value

J+ = Estimated value biased high

J- = Estimated value biased low

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.

mg/L = Milligrams per liter

Attachment 1

Laboratory Report



May 07, 2024

Steve Krul
Foth Infrastructure & Environment

RE: Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Dear Steve Krul:

Enclosed are the analytical results for sample(s) received by the laboratory on April 06, 2024. 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

Report revised to update VOA and SVOA compound lists. This supercedes the report of April 22, 2024.

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

Sincerely,

Tod Noltemeyer
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Scott Barton, Foth Infrastructure & Environment
Jill Dekart, Foth Infrastructure & Environment, LLC
John Kamps, Foth Infrastructure & Environment
Hannah Possehl, Foth Infrastructure & Environment
BRIAN STANUL, FOTH INFRASTRUCTURE &
ENVIRONM



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

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

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SAMPLE SUMMARY

Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40276453001	MGP-MW-1-24Q1	Water	04/03/24 12:47	04/06/24 08:50
40276453002	MGP-MW-2-24Q1	Water	04/03/24 10:45	04/06/24 08:50
40276453003	MGP-MW-4B-24Q1	Water	04/03/24 14:38	04/06/24 08:50
40276453004	MGP-MW-5-24Q1	Water	04/03/24 07:56	04/06/24 08:50
40276453005	MGP-MW-3B-24Q1	Water	04/03/24 09:08	04/06/24 08:50
40276453006	MGP-MW-9-24Q1	Water	04/05/24 13:42	04/06/24 08:50
40276453007	MGP-MW-10-24Q1	Water	04/04/24 13:50	04/06/24 08:50
40276453008	MGP-MW-11-24Q1	Water	04/04/24 18:04	04/06/24 08:50
40276453009	MGP-MW-TB-1	Water	04/05/24 12:00	04/06/24 08:50
40276453010	MGP-MW-FD-1	Water	04/03/24 00:00	04/06/24 08:50
40276453011	MGP-MW-12-24Q1	Water	04/03/24 17:27	04/06/24 08:50
40276453012	MGP-MW-13-24Q1	Water	04/04/24 09:12	04/06/24 08:50
40276453013	MGP-MW-14-24Q1	Water	04/05/24 08:51	04/06/24 08:50
40276453014	MGP-MW-15-24Q1	Water	04/04/24 16:03	04/06/24 08:50
40276453015	MGP-MW-16-24Q1	Water	04/04/24 17:06	04/06/24 08:50
40276453016	MGP-MW-17-24Q1	Water	04/05/24 11:38	04/06/24 08:50
40276453017	MGP-MW-21-24Q1	Water	04/05/24 10:29	04/06/24 08:50
40276453018	MGP-MW-22-24Q1	Water	04/04/24 10:31	04/06/24 08:50
40276453019	MGP-MW-29-24Q1	Water	04/04/24 12:49	04/06/24 08:50
40276453020	MGP-MW-28-24Q1	Water	04/04/24 14:45	04/06/24 08:50
40276453021	MGP-MW-TB-2	Water	04/05/24 12:00	04/06/24 08:50
40276453022	MGP-MW-FD-2	Water	04/04/24 00:00	04/06/24 08:50
40276453023	MGP-MW-20R-24Q1	Water	04/03/24 16:06	04/06/24 08:50
40276453024	MGP-MW-6R-24Q1	Water	04/02/24 19:59	04/06/24 08:50
40276453025	MGP-MW-7R-24Q1	Water	04/03/24 18:46	04/06/24 08:50
40276453026	MGP-MW-8R-24Q1	Water	04/04/24 07:41	04/06/24 08:50
40276453027	MGP-MW-27-24Q1	Water	04/02/24 17:01	04/06/24 08:50
40276453028	MGP-MW-30-24Q1	Water	04/05/24 07:38	04/06/24 08:50
40276453029	MGP-MW-31-24Q1	Water	04/02/24 18:44	04/06/24 08:50
40276453030	MGP-MW-FD-3	Water	04/05/24 00:00	04/06/24 08:50

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40276453001	MGP-MW-1-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
		40276453002	MGP-MW-2-24Q1	EPA 8015C Modified
EPA 8015B Modified	KHB			1
WI MOD GRO	EMG			1
EPA 6010D	SIS			18
EPA 7470	RZA			1
EPA 8270E by SIM	TPO			18
EPA 8260	NB			8
SM 2320B	TMK			3
SM 4500-S F (2000)	TXW			1
EPA 300.0	HMB			1
EPA 353.2	MT			1
SM 5310C	TJJ			1
40276453003	MGP-MW-4B-24Q1			EPA 8015C Modified
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
		40276453004	MGP-MW-5-24Q1	EPA 8015C Modified

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453005	MGP-MW-3B-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453006	MGP-MW-9-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	RJN	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453007	MGP-MW-10-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		WI MOD GRO	KHB	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453008	MGP-MW-11-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453009	MGP-MW-TB-1	WI MOD GRO	EMG	1
		EPA 8260	NB	8
40276453010	MGP-MW-FD-1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	KHB	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453011	MGP-MW-12-24Q1	EPA 8015C Modified	MRN	3

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453012	MGP-MW-13-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453013	MGP-MW-14-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	RJN	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453014	MGP-MW-15-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453015	MGP-MW-16-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453016	MGP-MW-17-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	RJN	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453017	MGP-MW-21-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	RJN	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453018	MGP-MW-22-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453019	MGP-MW-29-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453020	MGP-MW-28-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453021	MGP-MW-TB-2	WI MOD GRO	EMG	1
		EPA 8260	EIB	8
40276453022	MGP-MW-FD-2	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	EIB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453023	MGP-MW-20R-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453024	MGP-MW-6R-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	LMB	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453025	MGP-MW-7R-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	EIB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453026	MGP-MW-8R-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453027	MGP-MW-27-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	EIB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	LMB	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453028	MGP-MW-30-24Q1	EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	RJN	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	LMB	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
40276453029	MGP-MW-31-24Q1	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	TPO	18
		EPA 8260	NB	8
		SM 2320B	TMK	3
		SM 4500-S F (2000)	LMB	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1
40276453030	MGP-MW-FD-3	EPA 8015C Modified	MRN	3
		EPA 8015B Modified	KHB	1
		WI MOD GRO	EMG	1
		EPA 6010D	SIS	18
		EPA 7470	RZA	1
		EPA 8270E by SIM	RJN	18
		EPA 8260	EIB	8

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SAMPLE ANALYTE COUNT

Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2320B	TMK	3
		SM 4500-S F (2000)	TXW	1
		EPA 300.0	HMB	1
		EPA 353.2	MT	1
		SM 5310C	TJJ	1

PASI-G = Pace Analytical Services - Green Bay

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453001	MGP-MW-1-24Q1					
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.047J	mg/L	0.091	04/11/24 06:20	B
EPA 6010D	Barium, Dissolved	36.1	ug/L	5.0	04/11/24 16:54	
EPA 6010D	Copper, Dissolved	3.9J	ug/L	10.0	04/11/24 16:54	
EPA 6010D	Total Hardness by 2340B, Dissolved	1190000	ug/L	5400	04/11/24 16:54	
EPA 6010D	Vanadium, Dissolved	3.0J	ug/L	10.0	04/11/24 16:54	
EPA 8270E by SIM	Naphthalene	0.022J	ug/L	0.048	04/09/24 16:40	
SM 2320B	Alkalinity, Total as CaCO3	1000	mg/L	10.0	04/17/24 10:46	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	1000	mg/L	10.0	04/17/24 10:46	
EPA 300.0	Sulfate	474	mg/L	40.0	04/17/24 16:26	MO
SM 5310C	Total Organic Carbon	5.8	mg/L	0.50	04/09/24 06:38	
40276453002	MGP-MW-2-24Q1					
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.052J	mg/L	0.091	04/11/24 06:28	B
EPA 6010D	Barium, Dissolved	55.7	ug/L	5.0	04/11/24 16:57	
EPA 6010D	Total Hardness by 2340B, Dissolved	1040000	ug/L	5400	04/11/24 16:57	
EPA 6010D	Vanadium, Dissolved	3.5J	ug/L	10.0	04/11/24 16:57	
SM 2320B	Alkalinity, Total as CaCO3	1010	mg/L	10.0	04/17/24 09:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	1010	mg/L	10.0	04/17/24 09:57	
EPA 300.0	Sulfate	188	mg/L	10.0	04/17/24 15:10	
SM 5310C	Total Organic Carbon	3.1	mg/L	0.50	04/09/24 07:27	
40276453003	MGP-MW-4B-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.041J	mg/L	0.095	04/11/24 06:36	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.081J	mg/L	0.095	04/11/24 06:36	B
EPA 6010D	Barium, Dissolved	131	ug/L	5.0	04/11/24 16:59	
EPA 6010D	Copper, Dissolved	5.1J	ug/L	10.0	04/11/24 16:59	
EPA 6010D	Manganese, Dissolved	657	ug/L	5.0	04/11/24 16:59	
EPA 6010D	Total Hardness by 2340B, Dissolved	684000	ug/L	5400	04/11/24 16:59	
EPA 6010D	Vanadium, Dissolved	5.1J	ug/L	10.0	04/11/24 16:59	
SM 2320B	Alkalinity, Total as CaCO3	629	mg/L	10.0	04/16/24 10:50	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	629	mg/L	10.0	04/16/24 10:50	
EPA 300.0	Sulfate	185	mg/L	10.0	04/17/24 15:53	
SM 5310C	Total Organic Carbon	3.5	mg/L	0.50	04/09/24 07:42	
40276453004	MGP-MW-5-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.070J	mg/L	0.091	04/11/24 06:44	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.22	mg/L	0.091	04/11/24 06:44	B
EPA 8015B Modified	Methane	4590	ug/L	112	04/15/24 15:39	
EPA 6010D	Barium, Dissolved	73.0	ug/L	5.0	04/11/24 17:01	
EPA 6010D	Iron, Dissolved	203	ug/L	100	04/11/24 17:01	
EPA 6010D	Manganese, Dissolved	60.0	ug/L	5.0	04/11/24 17:01	
EPA 6010D	Total Hardness by 2340B, Dissolved	239000	ug/L	5400	04/11/24 17:01	
EPA 8270E by SIM	Acenaphthene	0.19	ug/L	0.048	04/09/24 17:34	
EPA 8270E by SIM	Fluorene	0.068	ug/L	0.048	04/09/24 17:34	
EPA 8270E by SIM	Naphthalene	0.68	ug/L	0.048	04/09/24 17:34	
EPA 8270E by SIM	Phenanthrene	0.059	ug/L	0.048	04/09/24 17:34	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453004	MGP-MW-5-24Q1					
EPA 8270E by SIM	Pyrene	0.023J	ug/L	0.048	04/09/24 17:34	
SM 2320B	Alkalinity, Total as CaCO3	211	mg/L	10.0	04/16/24 11:04	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	211	mg/L	10.0	04/16/24 11:04	
EPA 300.0	Sulfate	82.9	mg/L	10.0	04/17/24 16:07	
SM 5310C	Total Organic Carbon	5.6	mg/L	1.0	04/09/24 07:59	
40276453005	MGP-MW-3B-24Q1					
EPA 8015C Modified	TPH - Diesel (C10-C28)	3.2	mg/L	0.36	04/11/24 09:17	
EPA 8015B Modified	Methane	312	ug/L	5.6	04/16/24 13:59	
WI MOD GRO	Gasoline Range Organics	3970	ug/L	50.0	04/08/24 14:59	GO
EPA 6010D	Barium, Dissolved	144	ug/L	5.0	04/11/24 17:03	
EPA 6010D	Iron, Dissolved	662	ug/L	100	04/11/24 17:03	
EPA 6010D	Manganese, Dissolved	234	ug/L	5.0	04/11/24 17:03	
EPA 6010D	Total Hardness by 2340B, Dissolved	436000	ug/L	5400	04/11/24 17:03	
EPA 8270E by SIM	Acenaphthene	21.4	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Acenaphthylene	6.1	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Anthracene	3.9	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Fluoranthene	2.9	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Fluorene	7.6	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Naphthalene	475	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Phenanthrene	19.9	ug/L	2.4	04/09/24 21:31	
EPA 8270E by SIM	Pyrene	2.9	ug/L	2.4	04/09/24 21:31	
EPA 8260	Benzene	796	ug/L	5.0	04/10/24 22:41	
EPA 8260	Ethylbenzene	350	ug/L	5.0	04/10/24 22:41	
EPA 8260	Toluene	187	ug/L	5.0	04/10/24 22:41	
EPA 8260	Xylene (Total)	374	ug/L	15.0	04/10/24 22:41	
SM 2320B	Alkalinity, Total as CaCO3	449	mg/L	10.0	04/16/24 11:12	MO
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	449	mg/L	10.0	04/16/24 11:12	
SM 4500-S F (2000)	Sulfide	1.2J	mg/L	4.0	04/08/24 16:22	
EPA 300.0	Sulfate	31.2	mg/L	10.0	04/17/24 16:21	
SM 5310C	Total Organic Carbon	10.3	mg/L	1.5	04/09/24 08:16	
40276453006	MGP-MW-9-24Q1					
EPA 8015C Modified	TPH (C28-C36)	1.4J	mg/L	1.8	04/16/24 08:10	
EPA 8015C Modified	TPH - Diesel (C10-C28)	12.5	mg/L	1.8	04/16/24 08:10	
EPA 8015B Modified	Methane	4360	ug/L	140	04/16/24 14:06	
WI MOD GRO	Gasoline Range Organics	13000	ug/L	1000	04/08/24 18:26	GO
EPA 6010D	Arsenic, Dissolved	13.3J	ug/L	25.0	04/11/24 17:05	
EPA 6010D	Barium, Dissolved	32.9	ug/L	5.0	04/11/24 17:05	
EPA 6010D	Manganese, Dissolved	90.3	ug/L	5.0	04/11/24 17:05	
EPA 6010D	Nickel, Dissolved	5.9J	ug/L	10.0	04/11/24 17:05	
EPA 6010D	Total Hardness by 2340B, Dissolved	205000	ug/L	5400	04/11/24 17:05	
EPA 6010D	Vanadium, Dissolved	121	ug/L	10.0	04/11/24 17:05	
EPA 7470	Mercury, Dissolved	0.25	ug/L	0.20	04/22/24 10:00	
EPA 8270E by SIM	Acenaphthene	77.9	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Acenaphthylene	2.6J	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Anthracene	6.6	ug/L	3.9	04/11/24 01:38	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453006	MGP-MW-9-24Q1					
EPA 8270E by SIM	Benzo(a)anthracene	1.7J	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Chrysene	1.3J	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Fluoranthene	5.7	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Fluorene	17.5	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Naphthalene	661	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Phenanthrene	35.2	ug/L	3.9	04/11/24 01:38	
EPA 8270E by SIM	Pyrene	6.6	ug/L	3.9	04/11/24 01:38	
EPA 8260	Benzene	5190	ug/L	40.0	04/10/24 22:10	
EPA 8260	Ethylbenzene	735	ug/L	40.0	04/10/24 22:10	
EPA 8260	Toluene	1670	ug/L	40.0	04/10/24 22:10	
EPA 8260	Xylene (Total)	1670	ug/L	120	04/10/24 22:10	
SM 2320B	Alkalinity, Total as CaCO3	257	mg/L	10.0	04/16/24 11:23	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	94.6	mg/L	10.0	04/16/24 11:23	
SM 2320B	Alkalinity,Carbonate (CaCO3)	163	mg/L	10.0	04/16/24 11:23	
SM 4500-S F (2000)	Sulfide	22.8	mg/L	4.0	04/08/24 19:32	
SM 5310C	Total Organic Carbon	137	mg/L	15.0	04/09/24 08:32	
40276453007	MGP-MW-10-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.042J	mg/L	0.090	04/11/24 07:00	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.22	mg/L	0.090	04/11/24 07:00	B
EPA 8015B Modified	Methane	736	ug/L	14.0	04/16/24 14:13	
WI MOD GRO	Gasoline Range Organics	107	ug/L	50.0	04/09/24 12:31	GO
EPA 6010D	Barium, Dissolved	96.8	ug/L	5.0	04/11/24 17:06	
EPA 6010D	Iron, Dissolved	41900	ug/L	100	04/11/24 17:06	
EPA 6010D	Manganese, Dissolved	711	ug/L	5.0	04/11/24 17:06	
EPA 6010D	Total Hardness by 2340B, Dissolved	313000	ug/L	5400	04/11/24 17:06	
EPA 8270E by SIM	Acenaphthene	4.2	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Acenaphthylene	0.20	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Anthracene	0.36	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Benzo(a)anthracene	0.17	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Benzo(a)pyrene	0.21	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.16	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.16	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.060	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Chrysene	0.19	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Dibenz(a,h)anthracene	0.027J	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Fluoranthene	0.46	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Fluorene	0.95	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.11	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Naphthalene	0.82	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Phenanthrene	0.43	ug/L	0.051	04/09/24 17:52	
EPA 8270E by SIM	Pyrene	0.71	ug/L	0.051	04/09/24 17:52	
EPA 8260	Benzene	82.7	ug/L	1.0	04/10/24 18:43	
EPA 8260	Ethylbenzene	0.41J	ug/L	1.0	04/10/24 18:43	
EPA 8260	Toluene	3.9	ug/L	1.0	04/10/24 18:43	
EPA 8260	Xylene (Total)	1.6J	ug/L	3.0	04/10/24 18:43	
SM 2320B	Alkalinity, Total as CaCO3	116	mg/L	10.0	04/16/24 11:50	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453007	MGP-MW-10-24Q1					
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	116	mg/L	10.0	04/16/24 11:50	
EPA 300.0	Sulfate	216	mg/L	10.0	04/17/24 16:52	
EPA 353.2	Nitrogen, NO2 plus NO3	0.062J	mg/L	0.25	04/10/24 08:04	
SM 5310C	Total Organic Carbon	7.0	mg/L	0.50	04/09/24 09:07	
40276453008	MGP-MW-11-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.043J	mg/L	0.091	04/11/24 07:08	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.11	mg/L	0.091	04/11/24 07:08	B
EPA 8015B Modified	Methane	715	ug/L	14.0	04/16/24 14:20	
EPA 6010D	Barium, Dissolved	77.0	ug/L	5.0	04/11/24 17:08	
EPA 6010D	Iron, Dissolved	7040	ug/L	100	04/11/24 17:08	
EPA 6010D	Manganese, Dissolved	232	ug/L	5.0	04/11/24 17:08	
EPA 6010D	Total Hardness by 2340B, Dissolved	168000	ug/L	5400	04/11/24 17:08	
EPA 8270E by SIM	Acenaphthene	1.2	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Acenaphthylene	0.055	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Anthracene	0.11	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Benzo(a)anthracene	0.088	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Benzo(a)pyrene	0.081	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.096	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.075	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.034J	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Chrysene	0.092	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Fluoranthene	0.21	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Fluorene	0.37	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.055	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Naphthalene	0.15	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Phenanthrene	0.38	ug/L	0.049	04/09/24 18:10	
EPA 8270E by SIM	Pyrene	0.22	ug/L	0.049	04/09/24 18:10	
SM 2320B	Alkalinity, Total as CaCO3	118	mg/L	10.0	04/16/24 11:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	118	mg/L	10.0	04/16/24 11:57	
EPA 300.0	Sulfate	43.5	mg/L	10.0	04/17/24 17:06	
SM 5310C	Total Organic Carbon	3.6	mg/L	0.50	04/09/24 09:23	
40276453010	MGP-MW-FD-1					
EPA 8015C Modified	TPH - Diesel (C10-C28)	4.2	mg/L	0.45	04/11/24 09:25	
EPA 8015B Modified	Methane	574	ug/L	11.2	04/16/24 14:27	
WI MOD GRO	Gasoline Range Organics	3600	ug/L	125	04/09/24 12:57	GO
EPA 6010D	Barium, Dissolved	151	ug/L	5.0	04/11/24 17:10	
EPA 6010D	Iron, Dissolved	678	ug/L	100	04/11/24 17:10	
EPA 6010D	Manganese, Dissolved	242	ug/L	5.0	04/11/24 17:10	
EPA 6010D	Total Hardness by 2340B, Dissolved	453000	ug/L	5400	04/11/24 17:10	
EPA 8270E by SIM	Acenaphthene	23.6	ug/L	3.6	04/09/24 21:49	
EPA 8270E by SIM	Acenaphthylene	6.6	ug/L	3.6	04/09/24 21:49	
EPA 8270E by SIM	Anthracene	4.2	ug/L	3.6	04/09/24 21:49	
EPA 8270E by SIM	Fluoranthene	3.2J	ug/L	3.6	04/09/24 21:49	
EPA 8270E by SIM	Fluorene	8.4	ug/L	3.6	04/09/24 21:49	
EPA 8270E by SIM	Naphthalene	527	ug/L	3.6	04/09/24 21:49	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453010	MGP-MW-FD-1					
EPA 8270E by SIM	Phenanthrene	22.5	ug/L	3.6	04/09/24 21:49	
EPA 8270E by SIM	Pyrene	3.0J	ug/L	3.6	04/09/24 21:49	
EPA 8260	Benzene	883	ug/L	10.0	04/10/24 22:25	
EPA 8260	Ethylbenzene	381	ug/L	10.0	04/10/24 22:25	
EPA 8260	Toluene	208	ug/L	10.0	04/10/24 22:25	
EPA 8260	Xylene (Total)	409	ug/L	30.0	04/10/24 22:25	
SM 2320B	Alkalinity, Total as CaCO3	441	mg/L	10.0	04/16/24 12:04	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	441	mg/L	10.0	04/16/24 12:04	
SM 4500-S F (2000)	Sulfide	1.2J	mg/L	4.0	04/08/24 16:24	
EPA 300.0	Sulfate	31.3	mg/L	10.0	04/17/24 18:04	
SM 5310C	Total Organic Carbon	10.8	mg/L	1.5	04/09/24 09:39	
40276453011	MGP-MW-12-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.037J	mg/L	0.090	04/11/24 07:24	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.26	mg/L	0.090	04/11/24 07:24	B
EPA 8015B Modified	Methane	9020	ug/L	280	04/16/24 14:34	
EPA 6010D	Barium, Dissolved	233	ug/L	5.0	04/11/24 17:16	
EPA 6010D	Iron, Dissolved	27100	ug/L	100	04/11/24 17:16	
EPA 6010D	Manganese, Dissolved	1980	ug/L	5.0	04/11/24 17:16	
EPA 6010D	Total Hardness by 2340B, Dissolved	542000	ug/L	5400	04/11/24 17:16	
EPA 8270E by SIM	Acenaphthene	20.7	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Acenaphthylene	0.20	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Anthracene	0.40	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Benzo(a)anthracene	0.064J	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Benzo(a)pyrene	0.026J	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.029J	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Chrysene	0.065J	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Fluoranthene	0.85	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Fluorene	5.5	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Naphthalene	0.29	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Phenanthrene	2.3	ug/L	0.10	04/09/24 22:07	
EPA 8270E by SIM	Pyrene	0.78	ug/L	0.10	04/09/24 22:07	
EPA 8260	Benzene	0.39J	ug/L	1.0	04/10/24 19:15	
SM 2320B	Alkalinity, Total as CaCO3	240	mg/L	10.0	04/16/24 12:15	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	240	mg/L	10.0	04/16/24 12:15	
EPA 300.0	Sulfate	233	mg/L	10.0	04/17/24 18:18	
SM 5310C	Total Organic Carbon	5.6	mg/L	0.50	04/09/24 09:57	
40276453012	MGP-MW-13-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.056J	mg/L	0.10	04/11/24 07:32	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.17	mg/L	0.10	04/11/24 07:32	B
EPA 6010D	Barium, Dissolved	105	ug/L	5.0	04/11/24 17:17	
EPA 6010D	Copper, Dissolved	10.0	ug/L	10.0	04/11/24 17:17	
EPA 6010D	Manganese, Dissolved	111	ug/L	5.0	04/11/24 17:17	
EPA 6010D	Total Hardness by 2340B, Dissolved	1400000	ug/L	5400	04/11/24 17:17	
EPA 8270E by SIM	Acenaphthene	2.1	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Acenaphthylene	0.20	ug/L	0.050	04/09/24 18:28	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453012	MGP-MW-13-24Q1					
EPA 8270E by SIM	Anthracene	0.81	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Benzo(a)anthracene	0.56	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Benzo(a)pyrene	0.46	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.40	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.25	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.15	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Chrysene	0.50	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Dibenz(a,h)anthracene	0.049J	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Fluoranthene	1.2	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Fluorene	0.87	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.19	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Naphthalene	2.3	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Phenanthrene	3.2	ug/L	0.050	04/09/24 18:28	
EPA 8270E by SIM	Pyrene	1.5	ug/L	0.050	04/09/24 18:28	
EPA 8260	Benzene	0.44J	ug/L	1.0	04/10/24 19:31	
EPA 8260	Toluene	0.30J	ug/L	1.0	04/10/24 19:31	
SM 2320B	Alkalinity, Total as CaCO3	853	mg/L	10.0	04/16/24 12:23	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	853	mg/L	10.0	04/16/24 12:23	
EPA 300.0	Sulfate	478	mg/L	40.0	04/18/24 13:40	
SM 5310C	Total Organic Carbon	7.8	mg/L	1.0	04/09/24 10:15	
40276453013	MGP-MW-14-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.065J	mg/L	0.090	04/16/24 06:48	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.12	mg/L	0.090	04/16/24 06:48	B
EPA 8015B Modified	Methane	5.6	ug/L	2.8	04/16/24 10:48	
EPA 6010D	Barium, Dissolved	46.6	ug/L	5.0	04/11/24 17:19	
EPA 6010D	Copper, Dissolved	5.0J	ug/L	10.0	04/11/24 17:19	
EPA 6010D	Manganese, Dissolved	237	ug/L	5.0	04/11/24 17:19	
EPA 6010D	Total Hardness by 2340B, Dissolved	1760000	ug/L	5400	04/11/24 17:19	
EPA 8270E by SIM	Acenaphthene	0.031J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Acenaphthylene	0.027J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Anthracene	0.033J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Benzo(a)anthracene	0.049J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Benzo(a)pyrene	0.047J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.048J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.033J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Chrysene	0.054	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Fluoranthene	0.097	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Fluorene	0.028J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.028J	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Phenanthrene	0.18	ug/L	0.050	04/11/24 00:06	
EPA 8270E by SIM	Pyrene	0.12	ug/L	0.050	04/11/24 00:06	
SM 2320B	Alkalinity, Total as CaCO3	674	mg/L	10.0	04/16/24 12:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	674	mg/L	10.0	04/16/24 12:40	
EPA 300.0	Sulfate	1760	mg/L	100	04/18/24 13:54	
SM 5310C	Total Organic Carbon	5.5	mg/L	0.50	04/09/24 10:34	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453014	MGP-MW-15-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.037J	mg/L	0.091	04/11/24 07:40	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.32	mg/L	0.091	04/11/24 07:40	
EPA 8015B Modified	Methane	180	ug/L	2.8	04/16/24 10:55	
EPA 6010D	Barium, Dissolved	38.4	ug/L	5.0	04/11/24 17:21	
EPA 6010D	Iron, Dissolved	2540	ug/L	100	04/11/24 17:21	
EPA 6010D	Manganese, Dissolved	316	ug/L	5.0	04/11/24 17:21	
EPA 6010D	Total Hardness by 2340B, Dissolved	226000	ug/L	5400	04/11/24 17:21	
EPA 8270E by SIM	Acenaphthene	14.4	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Acenaphthylene	0.26	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Anthracene	0.72	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Benzo(a)anthracene	0.40	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Benzo(a)pyrene	0.17	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.14	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.076	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.057	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Chrysene	0.39	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Fluoranthene	4.9	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Fluorene	7.2	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.063	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Naphthalene	0.27	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Phenanthrene	5.7	ug/L	0.050	04/09/24 22:43	
EPA 8270E by SIM	Pyrene	4.9	ug/L	0.050	04/09/24 22:43	
SM 2320B	Alkalinity, Total as CaCO3	153	mg/L	10.0	04/16/24 12:54	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	153	mg/L	10.0	04/16/24 12:54	
EPA 300.0	Sulfate	21.2	mg/L	10.0	04/17/24 19:01	
EPA 353.2	Nitrogen, NO2 plus NO3	0.80	mg/L	0.25	04/10/24 08:14	
SM 5310C	Total Organic Carbon	7.7	mg/L	0.50	04/09/24 10:53	
40276453015	MGP-MW-16-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.032J	mg/L	0.091	04/11/24 07:48	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.058J	mg/L	0.091	04/11/24 07:48	B
EPA 8015B Modified	Methane	69.0	ug/L	2.8	04/16/24 11:03	
EPA 6010D	Barium, Dissolved	414	ug/L	5.0	04/11/24 17:23	
EPA 6010D	Cobalt, Dissolved	3.2J	ug/L	5.0	04/11/24 17:23	
EPA 6010D	Copper, Dissolved	4.1J	ug/L	10.0	04/11/24 17:23	
EPA 6010D	Iron, Dissolved	20600	ug/L	100	04/11/24 17:23	
EPA 6010D	Manganese, Dissolved	1610	ug/L	5.0	04/11/24 17:23	
EPA 6010D	Nickel, Dissolved	5.1J	ug/L	10.0	04/11/24 17:23	
EPA 6010D	Total Hardness by 2340B, Dissolved	1380000	ug/L	5400	04/11/24 17:23	
EPA 8270E by SIM	Acenaphthene	0.035J	ug/L	0.051	04/09/24 18:46	
EPA 8270E by SIM	Anthracene	0.021J	ug/L	0.051	04/09/24 18:46	
EPA 8270E by SIM	Benzo(a)anthracene	0.016J	ug/L	0.051	04/09/24 18:46	
EPA 8270E by SIM	Chrysene	0.013J	ug/L	0.051	04/09/24 18:46	
EPA 8270E by SIM	Fluoranthene	0.038J	ug/L	0.051	04/09/24 18:46	
EPA 8270E by SIM	Naphthalene	0.067	ug/L	0.051	04/09/24 18:46	
EPA 8270E by SIM	Phenanthrene	0.086	ug/L	0.051	04/09/24 18:46	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40276453015	MGP-MW-16-24Q1					
EPA 8270E by SIM	Pyrene	0.041J	ug/L	0.051	04/09/24 18:46	
SM 2320B	Alkalinity, Total as CaCO3	314	mg/L	10.0	04/16/24 13:01	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	314	mg/L	10.0	04/16/24 13:01	
EPA 300.0	Sulfate	75.6	mg/L	10.0	04/17/24 19:16	
EPA 353.2	Nitrogen, NO2 plus NO3	5.1	mg/L	0.25	04/10/24 08:15	
SM 5310C	Total Organic Carbon	4.0	mg/L	0.50	04/09/24 11:11	
40276453016	MGP-MW-17-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.060J	mg/L	0.090	04/16/24 06:56	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.10	mg/L	0.090	04/16/24 06:56	B
EPA 8015B Modified	Methane	11000	ug/L	112	04/16/24 14:40	
EPA 6010D	Barium, Dissolved	170	ug/L	5.0	04/11/24 17:51	
EPA 6010D	Cobalt, Dissolved	3.1J	ug/L	5.0	04/11/24 17:51	
EPA 6010D	Iron, Dissolved	33500	ug/L	100	04/11/24 17:51	
EPA 6010D	Manganese, Dissolved	1500	ug/L	5.0	04/11/24 17:51	
EPA 6010D	Total Hardness by 2340B, Dissolved	416000	ug/L	5400	04/11/24 17:51	
EPA 8270E by SIM	Acenaphthene	0.035J	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Anthracene	0.019J	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Benzo(a)anthracene	0.017J	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Chrysene	0.014J	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Fluoranthene	0.050	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Naphthalene	0.024J	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Phenanthrene	0.13	ug/L	0.049	04/11/24 00:25	
EPA 8270E by SIM	Pyrene	0.063	ug/L	0.049	04/11/24 00:25	
SM 2320B	Alkalinity, Total as CaCO3	423	mg/L	10.0	04/16/24 13:11	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	423	mg/L	10.0	04/16/24 13:11	
EPA 300.0	Sulfate	4.1J	mg/L	10.0	04/17/24 19:30	D3
EPA 353.2	Nitrogen, NO2 plus NO3	0.16J	mg/L	0.25	04/10/24 08:16	
SM 5310C	Total Organic Carbon	9.3	mg/L	0.50	04/09/24 11:31	
40276453017	MGP-MW-21-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.056J	mg/L	0.092	04/16/24 07:04	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.11	mg/L	0.092	04/16/24 07:04	B
EPA 8015B Modified	Methane	13600	ug/L	140	04/16/24 14:48	
EPA 6010D	Arsenic, Dissolved	10.6J	ug/L	25.0	04/11/24 17:54	
EPA 6010D	Barium, Dissolved	121	ug/L	5.0	04/11/24 17:54	
EPA 6010D	Cobalt, Dissolved	2.0J	ug/L	5.0	04/11/24 17:54	
EPA 6010D	Iron, Dissolved	38100	ug/L	100	04/11/24 17:54	
EPA 6010D	Manganese, Dissolved	2300	ug/L	5.0	04/11/24 17:54	
EPA 6010D	Total Hardness by 2340B, Dissolved	424000	ug/L	5400	04/11/24 17:54	
EPA 8270E by SIM	Acenaphthene	0.036J	ug/L	0.051	04/11/24 00:43	
EPA 8270E by SIM	Fluoranthene	0.027J	ug/L	0.051	04/11/24 00:43	
EPA 8270E by SIM	Phenanthrene	0.074	ug/L	0.051	04/11/24 00:43	
EPA 8270E by SIM	Pyrene	0.034J	ug/L	0.051	04/11/24 00:43	
SM 2320B	Alkalinity, Total as CaCO3	371	mg/L	10.0	04/16/24 13:22	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	371	mg/L	10.0	04/16/24 13:22	
SM 5310C	Total Organic Carbon	12.0	mg/L	1.5	04/09/24 11:50	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453018	MGP-MW-22-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.042J	mg/L	0.090	04/11/24 07:56	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.72	mg/L	0.090	04/11/24 07:56	
EPA 8015B Modified	Methane	2400	ug/L	28.0	04/16/24 15:17	
EPA 6010D	Barium, Dissolved	4270	ug/L	5.0	04/11/24 17:56	
EPA 6010D	Chromium, Dissolved	3.0J	ug/L	10.0	04/11/24 17:56	
EPA 6010D	Cobalt, Dissolved	10.1	ug/L	5.0	04/11/24 17:56	
EPA 6010D	Copper, Dissolved	24.4	ug/L	10.0	04/11/24 17:56	
EPA 6010D	Lead, Dissolved	59.1	ug/L	20.0	04/11/24 17:56	
EPA 6010D	Nickel, Dissolved	9.9J	ug/L	10.0	04/11/24 17:56	
EPA 6010D	Total Hardness by 2340B, Dissolved	1800000	ug/L	5400	04/11/24 17:56	
EPA 6010D	Zinc, Dissolved	11.9J	ug/L	40.0	04/11/24 17:56	
EPA 8270E by SIM	Acenaphthene	1.9	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Acenaphthylene	0.015J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Anthracene	0.036J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Benzo(a)anthracene	0.036J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Benzo(a)pyrene	0.022J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.020J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Chrysene	0.031J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Fluoranthene	0.086	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Fluorene	0.043J	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Naphthalene	0.57	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Phenanthrene	0.21	ug/L	0.050	04/09/24 19:04	
EPA 8270E by SIM	Pyrene	0.10	ug/L	0.050	04/09/24 19:04	
EPA 8260	Benzene	2.6	ug/L	1.0	04/10/24 20:51	
EPA 8260	Toluene	1.1	ug/L	1.0	04/10/24 20:51	
SM 2320B	Alkalinity, Total as CaCO3	2240	mg/L	10.0	04/17/24 10:04	
SM 2320B	Alkalinity, Carbonate (CaCO3)	107	mg/L	10.0	04/17/24 10:04	
EPA 353.2	Nitrogen, NO2 plus NO3	1.6	mg/L	0.25	04/10/24 08:17	
SM 5310C	Total Organic Carbon	17.3	mg/L	3.0	04/09/24 12:26	
40276453019	MGP-MW-29-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.18J	mg/L	0.19	04/11/24 09:33	
EPA 8015C Modified	TPH - Diesel (C10-C28)	2.6	mg/L	0.19	04/11/24 09:33	
EPA 8015B Modified	Methane	19900	ug/L	280	04/16/24 15:23	
WI MOD GRO	Gasoline Range Organics	858	ug/L	50.0	04/10/24 12:58	GO
EPA 6010D	Arsenic, Dissolved	80.7	ug/L	25.0	04/11/24 17:58	
EPA 6010D	Barium, Dissolved	81.0	ug/L	5.0	04/11/24 17:58	
EPA 6010D	Beryllium, Dissolved	0.73J	ug/L	4.0	04/11/24 17:58	
EPA 6010D	Chromium, Dissolved	36.0	ug/L	10.0	04/11/24 17:58	
EPA 6010D	Copper, Dissolved	46.0	ug/L	10.0	04/11/24 17:58	
EPA 6010D	Iron, Dissolved	1630	ug/L	100	04/11/24 17:58	
EPA 6010D	Manganese, Dissolved	17.5	ug/L	5.0	04/11/24 17:58	
EPA 6010D	Nickel, Dissolved	45.7	ug/L	10.0	04/11/24 17:58	
EPA 6010D	Total Hardness by 2340B, Dissolved	41100	ug/L	5400	04/11/24 17:58	
EPA 6010D	Vanadium, Dissolved	450	ug/L	10.0	04/11/24 17:58	
EPA 8270E by SIM	Acenaphthene	42.5	ug/L	0.39	04/09/24 22:26	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453019	MGP-MW-29-24Q1					
EPA 8270E by SIM	Acenaphthylene	0.69	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Anthracene	3.0	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Benzo(a)anthracene	1.0	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Benzo(a)pyrene	0.77	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.63	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Benzo(g,h,i)perylene	0.35J	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Benzo(k)fluoranthene	0.23J	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Chrysene	1.1	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Fluoranthene	4.7	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Fluorene	8.6	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Indeno(1,2,3-cd)pyrene	0.26J	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Naphthalene	87.9	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Phenanthrene	19.4	ug/L	0.39	04/09/24 22:26	
EPA 8270E by SIM	Pyrene	5.8	ug/L	0.39	04/09/24 22:26	
EPA 8260	Benzene	193	ug/L	1.0	04/10/24 21:38	
EPA 8260	Ethylbenzene	24.8	ug/L	1.0	04/10/24 21:38	
EPA 8260	Toluene	9.7	ug/L	1.0	04/10/24 21:38	
EPA 8260	Xylene (Total)	104	ug/L	3.0	04/10/24 21:38	
SM 2320B	Alkalinity, Total as CaCO3	645	mg/L	10.0	04/16/24 14:00	
SM 2320B	Alkalinity, Carbonate (CaCO3)	610	mg/L	10.0	04/16/24 14:00	
SM 5310C	Total Organic Carbon	94.4	mg/L	5.0	04/09/24 12:43	
40276453020	MGP-MW-28-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.041J	mg/L	0.091	04/11/24 08:12	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.079J	mg/L	0.091	04/11/24 08:12	B
EPA 8015B Modified	Methane	69.6	ug/L	2.8	04/16/24 12:38	
EPA 6010D	Barium, Dissolved	42.8	ug/L	5.0	04/11/24 18:00	
EPA 6010D	Iron, Dissolved	1140	ug/L	100	04/11/24 18:00	
EPA 6010D	Manganese, Dissolved	134	ug/L	5.0	04/11/24 18:00	
EPA 6010D	Total Hardness by 2340B, Dissolved	237000	ug/L	5400	04/11/24 18:00	
EPA 8270E by SIM	Acenaphthene	0.044J	ug/L	0.048	04/09/24 19:23	
EPA 8270E by SIM	Naphthalene	0.076	ug/L	0.048	04/09/24 19:23	
SM 2320B	Alkalinity, Total as CaCO3	207	mg/L	10.0	04/16/24 14:25	
SM 2320B	Alkalinity, Bicarbonate (CaCO3)	207	mg/L	10.0	04/16/24 14:25	
EPA 300.0	Sulfate	79.6	mg/L	10.0	04/17/24 19:59	
EPA 353.2	Nitrogen, NO2 plus NO3	0.34	mg/L	0.25	04/10/24 08:19	
SM 5310C	Total Organic Carbon	2.6	mg/L	0.50	04/09/24 13:01	
40276453022	MGP-MW-FD-2					
EPA 8015C Modified	TPH (C28-C36)	0.035J	mg/L	0.090	04/11/24 08:20	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.068J	mg/L	0.090	04/11/24 08:20	B
EPA 8015B Modified	Methane	70.8	ug/L	2.8	04/16/24 12:45	
EPA 6010D	Barium, Dissolved	42.9	ug/L	5.0	04/11/24 18:02	
EPA 6010D	Copper, Dissolved	3.4J	ug/L	10.0	04/11/24 18:02	
EPA 6010D	Iron, Dissolved	1100	ug/L	100	04/11/24 18:02	
EPA 6010D	Manganese, Dissolved	132	ug/L	5.0	04/11/24 18:02	
EPA 6010D	Total Hardness by 2340B, Dissolved	237000	ug/L	5400	04/11/24 18:02	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453022	MGP-MW-FD-2					
EPA 8270E by SIM	Acenaphthene	0.031J	ug/L	0.048	04/09/24 19:41	
EPA 8270E by SIM	Naphthalene	0.024J	ug/L	0.048	04/09/24 19:41	
SM 2320B	Alkalinity, Total as CaCO3	194	mg/L	10.0	04/16/24 14:32	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	194	mg/L	10.0	04/16/24 14:32	
EPA 300.0	Sulfate	91.8	mg/L	10.0	04/17/24 20:13	
EPA 353.2	Nitrogen, NO2 plus NO3	0.33	mg/L	0.25	04/10/24 08:20	
SM 5310C	Total Organic Carbon	2.5	mg/L	0.50	04/09/24 14:30	
40276453023	MGP-MW-20R-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.19	mg/L	0.093	04/16/24 08:02	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.87	mg/L	0.093	04/16/24 08:02	M0
EPA 8015B Modified	Methane	673	ug/L	28.0	04/17/24 13:26	M1
WI MOD GRO	Gasoline Range Organics	181	ug/L	50.0	04/10/24 14:41	GO
EPA 6010D	Barium, Dissolved	135	ug/L	5.0	04/11/24 16:43	
EPA 6010D	Iron, Dissolved	12000	ug/L	100	04/11/24 16:43	
EPA 6010D	Manganese, Dissolved	4590	ug/L	50.0	04/11/24 16:35	P6
EPA 6010D	Total Hardness by 2340B, Dissolved	463000	ug/L	54000	04/11/24 16:35	
EPA 8270E by SIM	Acenaphthene	4.3	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Acenaphthylene	0.78	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Anthracene	0.18	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Benzo(a)anthracene	0.038J	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.019J	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Chrysene	0.028J	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Fluoranthene	0.36	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Fluorene	0.75	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Naphthalene	20.5	ug/L	0.10	04/09/24 20:36	M1
EPA 8270E by SIM	Phenanthrene	0.52	ug/L	0.10	04/09/24 20:36	
EPA 8270E by SIM	Pyrene	0.32	ug/L	0.10	04/09/24 20:36	
EPA 8260	Benzene	66.8	ug/L	1.0	04/12/24 12:12	
EPA 8260	Ethylbenzene	7.5	ug/L	1.0	04/12/24 12:12	
EPA 8260	Toluene	2.8	ug/L	1.0	04/12/24 12:12	
EPA 8260	Xylene (Total)	9.7	ug/L	3.0	04/12/24 12:12	
SM 2320B	Alkalinity, Total as CaCO3	402	mg/L	10.0	04/16/24 14:51	M0
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	402	mg/L	10.0	04/16/24 14:51	
EPA 300.0	Sulfate	141	mg/L	10.0	04/17/24 21:11	
SM 5310C	Total Organic Carbon	27.0	mg/L	7.5	04/09/24 13:16	
40276453024	MGP-MW-6R-24Q1					
EPA 8015C Modified	TPH - Diesel (C10-C28)	28.3	mg/L	4.5	04/11/24 09:41	
EPA 8015B Modified	Methane	6230	ug/L	112	04/16/24 15:30	
WI MOD GRO	Gasoline Range Organics	1220	ug/L	100	04/10/24 17:42	G+
EPA 6010D	Barium, Dissolved	107	ug/L	5.0	04/11/24 18:04	
EPA 6010D	Iron, Dissolved	60.7J	ug/L	100	04/11/24 18:04	
EPA 6010D	Manganese, Dissolved	291	ug/L	5.0	04/11/24 18:04	
EPA 6010D	Total Hardness by 2340B, Dissolved	580000	ug/L	5400	04/11/24 18:04	
EPA 6010D	Vanadium, Dissolved	4.6J	ug/L	10.0	04/11/24 18:04	
EPA 8270E by SIM	Acenaphthene	60.3	ug/L	14.9	04/09/24 20:54	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453024	MGP-MW-6R-24Q1					
EPA 8270E by SIM	Acenaphthylene	20.3	ug/L	14.9	04/09/24 20:54	
EPA 8270E by SIM	Fluorene	20.2	ug/L	14.9	04/09/24 20:54	
EPA 8270E by SIM	Naphthalene	2050	ug/L	14.9	04/09/24 20:54	
EPA 8270E by SIM	Phenanthrene	33.2	ug/L	14.9	04/09/24 20:54	
EPA 8260	Benzene	10800	ug/L	100	04/12/24 16:39	
EPA 8260	Ethylbenzene	3760	ug/L	100	04/12/24 16:39	
EPA 8260	Styrene	542	ug/L	100	04/12/24 16:39	
EPA 8260	Toluene	18100	ug/L	100	04/12/24 16:39	
EPA 8260	Xylene (Total)	11000	ug/L	300	04/12/24 16:39	
SM 2320B	Alkalinity, Total as CaCO3	467	mg/L	10.0	04/16/24 15:35	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	467	mg/L	10.0	04/16/24 15:35	
SM 4500-S F (2000)	Sulfide	10.4J	mg/L	15.9	04/08/24 12:41	1q,D3
EPA 300.0	Sulfate	158	mg/L	20.0	04/16/24 13:38	
SM 5310C	Total Organic Carbon	10.6	mg/L	3.0	04/09/24 14:46	
40276453025	MGP-MW-7R-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.039J	mg/L	0.091	04/11/24 08:36	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.12	mg/L	0.091	04/11/24 08:36	B
WI MOD GRO	Gasoline Range Organics	37.0J	ug/L	50.0	04/10/24 15:07	
EPA 6010D	Barium, Dissolved	184	ug/L	5.0	04/11/24 18:05	
EPA 6010D	Copper, Dissolved	3.9J	ug/L	10.0	04/11/24 18:05	
EPA 6010D	Iron, Dissolved	621	ug/L	100	04/11/24 18:05	
EPA 6010D	Manganese, Dissolved	3170	ug/L	5.0	04/11/24 18:05	
EPA 6010D	Total Hardness by 2340B, Dissolved	620000	ug/L	5400	04/11/24 18:05	
EPA 8270E by SIM	Acenaphthene	0.53	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Acenaphthylene	0.035J	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Anthracene	0.12	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Benzo(a)anthracene	0.017J	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.010J	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Chrysene	0.013J	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Fluoranthene	0.13	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Fluorene	0.064	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Naphthalene	0.95	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Phenanthrene	0.21	ug/L	0.050	04/09/24 19:59	
EPA 8270E by SIM	Pyrene	0.14	ug/L	0.050	04/09/24 19:59	
EPA 8260	Benzene	27.2	ug/L	1.0	04/10/24 18:44	
SM 2320B	Alkalinity, Total as CaCO3	266	mg/L	10.0	04/16/24 16:02	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	266	mg/L	10.0	04/16/24 16:02	
EPA 300.0	Sulfate	282	mg/L	20.0	04/18/24 16:20	
SM 5310C	Total Organic Carbon	18.4	mg/L	3.0	04/09/24 15:22	
40276453026	MGP-MW-8R-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.92J	mg/L	2.3	04/16/24 08:18	
EPA 8015C Modified	TPH - Diesel (C10-C28)	17.8	mg/L	2.3	04/16/24 08:18	
EPA 8015B Modified	Methane	3160	ug/L	112	04/17/24 13:33	
WI MOD GRO	Gasoline Range Organics	3880	ug/L	200	04/10/24 18:07	G+
EPA 6010D	Arsenic, Dissolved	13.2J	ug/L	25.0	04/11/24 18:07	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40276453026	MGP-MW-8R-24Q1					
EPA 6010D	Barium, Dissolved	396	ug/L	5.0	04/11/24 18:07	
EPA 6010D	Iron, Dissolved	131	ug/L	100	04/11/24 18:07	
EPA 6010D	Nickel, Dissolved	18.0	ug/L	10.0	04/11/24 18:07	
EPA 6010D	Total Hardness by 2340B, Dissolved	533000	ug/L	5400	04/11/24 18:07	
EPA 6010D	Vanadium, Dissolved	129	ug/L	10.0	04/11/24 18:07	
EPA 7470	Mercury, Dissolved	0.31	ug/L	0.20	04/22/24 10:47	
EPA 8270E by SIM	Acenaphthene	87.8	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Acenaphthylene	6.9	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Anthracene	5.3	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Fluoranthene	2.8J	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Fluorene	22.1	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Naphthalene	870	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Phenanthrene	30.6	ug/L	4.9	04/10/24 00:15	
EPA 8270E by SIM	Pyrene	2.8J	ug/L	4.9	04/10/24 00:15	
EPA 8260	Benzene	112000	ug/L	1000	04/15/24 09:01	
EPA 8260	Ethylbenzene	896	ug/L	200	04/12/24 16:24	
EPA 8260	Styrene	1670	ug/L	200	04/12/24 16:24	
EPA 8260	Toluene	48400	ug/L	200	04/12/24 16:24	
EPA 8260	Xylene (Total)	7100	ug/L	600	04/12/24 16:24	
SM 2320B	Alkalinity, Total as CaCO3	580	mg/L	10.0	04/16/24 16:11	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	20.2	mg/L	10.0	04/16/24 16:11	
SM 2320B	Alkalinity,Carbonate (CaCO3)	560	mg/L	10.0	04/16/24 16:11	
SM 4500-S F (2000)	Sulfide	4.8	mg/L	4.0	04/08/24 20:03	
EPA 300.0	Sulfate	50.5	mg/L	40.0	04/18/24 16:34	
SM 5310C	Total Organic Carbon	98.4	mg/L	10.0	04/09/24 15:37	
40276453027	MGP-MW-27-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.072J	mg/L	0.091	04/11/24 06:13	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.23	mg/L	0.091	04/11/24 06:13	B,MO
EPA 8015B Modified	Methane	151	ug/L	2.8	04/16/24 13:06	M1
WI MOD GRO	Gasoline Range Organics	73.0	ug/L	50.0	04/10/24 15:33	G-
EPA 6010D	Barium, Dissolved	144	ug/L	5.0	04/11/24 17:40	
EPA 6010D	Iron, Dissolved	1540	ug/L	100	04/11/24 17:40	
EPA 6010D	Manganese, Dissolved	565	ug/L	5.0	04/11/24 17:40	
EPA 6010D	Total Hardness by 2340B, Dissolved	438000	ug/L	54000	04/11/24 17:32	
EPA 8270E by SIM	Acenaphthene	0.022J	ug/L	0.051	04/09/24 16:22	
EPA 8270E by SIM	Fluoranthene	0.029J	ug/L	0.051	04/09/24 16:22	
EPA 8270E by SIM	Naphthalene	0.14	ug/L	0.051	04/09/24 16:22	
EPA 8270E by SIM	Pyrene	0.030J	ug/L	0.051	04/09/24 16:22	
EPA 8260	Benzene	40.6	ug/L	1.0	04/10/24 15:30	
EPA 8260	Ethylbenzene	0.66J	ug/L	1.0	04/10/24 15:30	
EPA 8260	Styrene	0.56J	ug/L	1.0	04/10/24 15:30	
EPA 8260	Toluene	6.6	ug/L	1.0	04/10/24 15:30	
EPA 8260	Xylene (Total)	5.2	ug/L	3.0	04/10/24 15:30	
SM 2320B	Alkalinity, Total as CaCO3	49.7	mg/L	10.0	04/16/24 16:39	MO
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	49.7	mg/L	10.0	04/16/24 16:39	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
40276453027	MGP-MW-27-24Q1					
EPA 300.0	Sulfate	80.7	mg/L	20.0	04/18/24 16:48	M0
SM 5310C	Total Organic Carbon	6.7	mg/L	3.0	04/09/24 15:53	
40276453028	MGP-MW-30-24Q1					
EPA 6010D	Barium, Dissolved	204	ug/L	5.0	04/11/24 18:13	
EPA 6010D	Copper, Dissolved	3.8J	ug/L	10.0	04/11/24 18:13	
EPA 6010D	Manganese, Dissolved	895	ug/L	5.0	04/11/24 18:13	
EPA 6010D	Total Hardness by 2340B, Dissolved	971000	ug/L	5400	04/11/24 18:13	
EPA 6010D	Vanadium, Dissolved	2.7J	ug/L	10.0	04/11/24 18:13	
EPA 8270E by SIM	Acenaphthene	0.12	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Acenaphthylene	0.043J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Anthracene	0.048J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Benzo(a)anthracene	0.032J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Benzo(a)pyrene	0.017J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Benzo(b)fluoranthene	0.019J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Chrysene	0.030J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Fluoranthene	0.089	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Fluorene	0.052	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Naphthalene	0.046J	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Phenanthrene	0.17	ug/L	0.050	04/11/24 01:01	
EPA 8270E by SIM	Pyrene	0.12	ug/L	0.050	04/11/24 01:01	
SM 2320B	Alkalinity, Total as CaCO3	465	mg/L	10.0	04/16/24 16:59	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	465	mg/L	10.0	04/16/24 16:59	
EPA 300.0	Sulfate	437	mg/L	40.0	04/18/24 13:43	
EPA 353.2	Nitrogen, NO2 plus NO3	0.16J	mg/L	0.25	04/10/24 08:30	
40276453029	MGP-MW-31-24Q1					
EPA 8015C Modified	TPH (C28-C36)	0.091	mg/L	0.091	04/11/24 08:44	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.11	mg/L	0.091	04/11/24 08:44	B
EPA 8015B Modified	Methane	17.8	ug/L	2.8	04/16/24 13:13	
EPA 6010D	Barium, Dissolved	143	ug/L	5.0	04/11/24 18:15	
EPA 6010D	Manganese, Dissolved	145	ug/L	5.0	04/11/24 18:15	
EPA 6010D	Total Hardness by 2340B, Dissolved	646000	ug/L	5400	04/11/24 18:15	
EPA 6010D	Vanadium, Dissolved	2.8J	ug/L	10.0	04/11/24 18:15	
EPA 8270E by SIM	Naphthalene	0.070	ug/L	0.050	04/09/24 20:17	
SM 2320B	Alkalinity, Total as CaCO3	392	mg/L	10.0	04/16/24 17:09	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	392	mg/L	10.0	04/16/24 17:09	
EPA 300.0	Sulfate	134	mg/L	20.0	04/18/24 17:31	
EPA 353.2	Nitrogen, NO2 plus NO3	0.71	mg/L	0.25	04/10/24 08:33	
SM 5310C	Total Organic Carbon	2.9	mg/L	0.50	04/09/24 16:44	
40276453030	MGP-MW-FD-3					
EPA 8015C Modified	TPH (C28-C36)	0.061J	mg/L	0.092	04/16/24 07:20	
EPA 8015C Modified	TPH - Diesel (C10-C28)	0.12	mg/L	0.092	04/16/24 07:20	B
EPA 8015B Modified	Methane	6680	ug/L	140	04/17/24 13:40	
EPA 6010D	Arsenic, Dissolved	13.6J	ug/L	25.0	04/11/24 18:17	
EPA 6010D	Barium, Dissolved	117	ug/L	5.0	04/11/24 18:17	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40276453030	MGP-MW-FD-3					
EPA 6010D	Iron, Dissolved	36800	ug/L	100	04/11/24 18:17	
EPA 6010D	Manganese, Dissolved	2230	ug/L	5.0	04/11/24 18:17	
EPA 6010D	Total Hardness by 2340B, Dissolved	406000	ug/L	5400	04/11/24 18:17	
EPA 8270E by SIM	Acenaphthene	0.028J	ug/L	0.052	04/11/24 01:19	
EPA 8270E by SIM	Phenanthrene	0.050J	ug/L	0.052	04/11/24 01:19	
SM 2320B	Alkalinity, Total as CaCO3	377	mg/L	10.0	04/16/24 17:18	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	377	mg/L	10.0	04/16/24 17:18	
EPA 300.0	Sulfate	0.46J	mg/L	2.0	04/15/24 22:27	
EPA 353.2	Nitrogen, NO2 plus NO3	0.086J	mg/L	0.25	04/10/24 08:34	
SM 5310C	Total Organic Carbon	11.9	mg/L	3.0	04/09/24 17:02	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Date: May 07, 2024

MGP-MW-30-24Q1 (Lab ID: 40276453028)

- Some tests were not able to be run on sample -028 due to lack of volume from the well.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Method: EPA 8015C Modified
Description: 8015C GCS THC-Diesel
Client: Foth Infrastructure & Environment
Date: May 07, 2024

General Information:

27 samples were analyzed for EPA 8015C Modified by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 471183

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MGP-MW-29-24Q1 (Lab ID: 40276453019)
 - o-Terphenyl (S)
- MGP-MW-3B-24Q1 (Lab ID: 40276453005)
 - o-Terphenyl (S)
- MGP-MW-6R-24Q1 (Lab ID: 40276453024)
 - o-Terphenyl (S)
- MGP-MW-FD-1 (Lab ID: 40276453010)
 - o-Terphenyl (S)

QC Batch: 471299

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MGP-MW-8R-24Q1 (Lab ID: 40276453026)
 - o-Terphenyl (S)
- MGP-MW-9-24Q1 (Lab ID: 40276453006)
 - o-Terphenyl (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 471299

B: Analyte was detected in the associated method blank.

- BLANK for HBN 471299 [OEXT/561 (Lab ID: 2698918)
 - TPH - Diesel (C10-C28)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Method: EPA 8015C Modified
Description: 8015C GCS THC-Diesel
Client: Foth Infrastructure & Environment
Date: May 07, 2024

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 471183

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453027

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

- MS (Lab ID: 2698438)
 - TPH - Diesel (C10-C28)
- MSD (Lab ID: 2698439)
 - TPH - Diesel (C10-C28)

QC Batch: 471299

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453023

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

- MS (Lab ID: 2698921)
 - TPH - Diesel (C10-C28)
- MSD (Lab ID: 2698922)
 - TPH - Diesel (C10-C28)

Additional Comments:

Batch Comments:

The default spike range of the standard used for QC evaluation is C10-C28. All other carbon ranges may recover outside of spike limits because they may not cover the range of the spike used.

- QC Batch: 471251
- QC Batch: 471330

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 8015B Modified

Description: Methane, Ethane, Ethene GCV

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

28 samples were analyzed for EPA 8015B Modified by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 471746

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453027

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 2701521)
- Methane

QC Batch: 471856

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453023

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2702306)
- Methane
- MSD (Lab ID: 2702307)
- Methane

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: WI MOD GRO

Description: WIGRO GCV

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

30 samples were analyzed for WI MOD GRO by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Method: EPA 6010D
Description: 6010D MET ICP, Dissolved
Client: Foth Infrastructure & Environment
Date: May 07, 2024

General Information:

28 samples were analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Method: EPA 7470
Description: 7470 Mercury, Dissolved
Client: Foth Infrastructure & Environment
Date: May 07, 2024

General Information:

28 samples were analyzed for EPA 7470 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

28 samples were analyzed for EPA 8270E by SIM by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3510 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: 471070

S0: Surrogate recovery outside laboratory control limits.

- MGP-MW-29-24Q1 (Lab ID: 40276453019)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)

QC Batch: 471209

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MGP-MW-8R-24Q1 (Lab ID: 40276453026)
 - Terphenyl-d14 (S)
- MGP-MW-9-24Q1 (Lab ID: 40276453006)
 - Terphenyl-d14 (S)

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 8270E by SIM

Description: 8270E MSSV PAH

Client: Foth Infrastructure & Environment

Date: May 07, 2024

QC Batch: 471209

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453023

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2698537)
 - Naphthalene
- MSD (Lab ID: 2698538)
 - Naphthalene

Additional Comments:

Analyte Comments:

QC Batch: 471070

2q: The surrogate may have failed due to a matrix effect, as this sample formed a thick emulsion during extraction [not confirmed by re-extraction or re-analysis].

- MGP-MW-29-24Q1 (Lab ID: 40276453019)
 - 2-Fluorobiphenyl (S)
 - Terphenyl-d14 (S)

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 8260

Description: 8260 MSV

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

30 samples were analyzed for EPA 8260 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: SM 2320B

Description: 2320B Alkalinity

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

28 samples were analyzed for SM 2320B by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 471781

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453005

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

- MS (Lab ID: 2701634)
 - Alkalinity, Total as CaCO₃

QC Batch: 471782

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453023,40276453027

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

- MS (Lab ID: 2701638)
 - Alkalinity, Total as CaCO₃
- MS (Lab ID: 2701640)
 - Alkalinity, Total as CaCO₃
- MSD (Lab ID: 2701639)
 - Alkalinity, Total as CaCO₃
- MSD (Lab ID: 2701641)
 - Alkalinity, Total as CaCO₃

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P
Pace Project No.: 40276453

Method: SM 4500-S F (2000)
Description: 4500S2F Sulfide, Iodometric
Client: Foth Infrastructure & Environment
Date: May 07, 2024

General Information:

28 samples were analyzed for SM 4500-S F (2000) by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

- P4: Sample field preservation does not meet EPA or method recommendations for this analysis.
- MGP-MW-30-24Q1 (Lab ID: 40276453028)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 471321

- R1: RPD value was outside control limits.
- LCS (Lab ID: 2699007)
 - Sulfide
 - LCSD (Lab ID: 2699017)
 - Sulfide

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 471321

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Analyte Comments:

QC Batch: 471094

- 1q: Sample was received with headspace.
- MGP-MW-27-24Q1 (Lab ID: 40276453027)
 - Sulfide
 - MGP-MW-31-24Q1 (Lab ID: 40276453029)
 - Sulfide
 - MGP-MW-6R-24Q1 (Lab ID: 40276453024)
 - Sulfide

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MGP-MW-6R-24Q1 (Lab ID: 40276453024)
 - Sulfide

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: SM 4500-S F (2000)

Description: 4500S2F Sulfide, Iodometric

Client: Foth Infrastructure & Environment

Date: May 07, 2024

Analyte Comments:

QC Batch: 471163

1q: Sample was received with headspace.

- MGP-MW-22-24Q1 (Lab ID: 40276453018)
 - Sulfide
- MGP-MW-29-24Q1 (Lab ID: 40276453019)
 - Sulfide

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MGP-MW-21-24Q1 (Lab ID: 40276453017)
 - Sulfide
- MGP-MW-29-24Q1 (Lab ID: 40276453019)
 - Sulfide

QC Batch: 471321

1q: Sample was received with headspace.

- MGP-MW-30-24Q1 (Lab ID: 40276453028)
 - Sulfide

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 300.0

Description: 300.0 IC Anions

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

28 samples were analyzed for EPA 300.0 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 471510

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276259001,40276453001

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

- MS (Lab ID: 2700382)
 - Sulfate
- MS (Lab ID: 2700384)
 - Sulfate
- MSD (Lab ID: 2700383)
 - Sulfate
- MSD (Lab ID: 2700385)
 - Sulfate

QC Batch: 471615

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40276453027,40276699004

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

- MS (Lab ID: 2700963)
 - Sulfate

Additional Comments:

Analyte Comments:

QC Batch: 471614

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MGP-MW-17-24Q1 (Lab ID: 40276453016)
 - Sulfate
- MGP-MW-21-24Q1 (Lab ID: 40276453017)
 - Sulfate

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 300.0

Description: 300.0 IC Anions

Client: Foth Infrastructure & Environment

Date: May 07, 2024

Analyte Comments:

QC Batch: 471614

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- MGP-MW-22-24Q1 (Lab ID: 40276453018)
 - Sulfate
- MGP-MW-29-24Q1 (Lab ID: 40276453019)
 - Sulfate
- MGP-MW-9-24Q1 (Lab ID: 40276453006)
 - Sulfate

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: EPA 353.2

Description: 353.2 Nitrogen, NO₂/NO₃ pres.

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

28 samples were analyzed for EPA 353.2 by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Method: SM 5310C

Description: 5310C TOC

Client: Foth Infrastructure & Environment

Date: May 07, 2024

General Information:

27 samples were analyzed for SM 5310C by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-1-24Q1 Lab ID: 40276453001 Collected: 04/03/24 12:47 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	<0.027	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:20		
TPH - Diesel (C10-C28)	0.047J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:20		B
Surrogates									
o-Terphenyl (S)	77	%	44-134		1	04/09/24 08:02	04/11/24 06:20	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		04/15/24 14:01	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 13:16		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 16:54	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 16:54	7440-38-2	
Barium, Dissolved	36.1	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:54	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 16:54	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 16:54	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 16:54	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 16:54	7440-48-4	
Copper, Dissolved	3.9J	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 16:54	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 16:54	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 16:54	7439-92-1	
Manganese, Dissolved	<1.5	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:54	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:54	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 16:54	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 16:54	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 16:54	7440-28-0	
Total Hardness by 2340B, Dissolved	1190000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 16:54		
Vanadium, Dissolved	3.0J	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:54	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 16:54	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:48	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 16:40	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 16:40	208-96-8	
Anthracene	<0.018	ug/L	0.048	0.018	1	04/08/24 12:20	04/09/24 16:40	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 16:40	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-1-24Q1 Lab ID: 40276453001 Collected: 04/03/24 12:47 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 16:40	50-32-8	
Benzo(b)fluoranthene	<0.0087	ug/L	0.048	0.0087	1	04/08/24 12:20	04/09/24 16:40	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 16:40	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.048	0.021	1	04/08/24 12:20	04/09/24 16:40	207-08-9	
Chrysene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 16:40	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	04/08/24 12:20	04/09/24 16:40	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 16:40	206-44-0	
Fluorene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 16:40	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	04/08/24 12:20	04/09/24 16:40	193-39-5	
Naphthalene	0.022J	ug/L	0.048	0.019	1	04/08/24 12:20	04/09/24 16:40	91-20-3	
Phenanthrene	<0.024	ug/L	0.048	0.024	1	04/08/24 12:20	04/09/24 16:40	85-01-8	
Pyrene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 16:40	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	52	%	38-120		1	04/08/24 12:20	04/09/24 16:40	321-60-8	
Terphenyl-d14 (S)	55	%	47-121		1	04/08/24 12:20	04/09/24 16:40	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 17:56	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 17:56	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 17:56	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 17:56	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 17:56	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 17:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/10/24 17:56	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/10/24 17:56	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	1000	mg/L	10.0	5.0	1		04/17/24 10:46		
Alkalinity,Bicarbonate (CaCO3)	1000	mg/L	10.0	5.0	1		04/17/24 10:46		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/17/24 10:46		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:15		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	474	mg/L	40.0	8.9	20		04/17/24 16:26	14808-79-8	M0
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 07:57		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-1-24Q1 Lab ID: 40276453001 Collected: 04/03/24 12:47 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	5.8	mg/L	0.50	0.19	1		04/09/24 06:38	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-2-24Q1 Lab ID: 40276453002 Collected: 04/03/24 10:45 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel	Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
TPH (C28-C36)	<0.027	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:28		
TPH - Diesel (C10-C28)	0.052J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:28		B
Surrogates									
o-Terphenyl (S)	79	%	44-134		1	04/09/24 08:02	04/11/24 06:28	84-15-1	
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Methane	<0.58	ug/L	2.8	0.58	1		04/15/24 12:59	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO Pace Analytical Services - Green Bay								
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 13:41		
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 16:57	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 16:57	7440-38-2	
Barium, Dissolved	55.7	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:57	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 16:57	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 16:57	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 16:57	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 16:57	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 16:57	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 16:57	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 16:57	7439-92-1	
Manganese, Dissolved	<1.5	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:57	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:57	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 16:57	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 16:57	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 16:57	7440-28-0	
Total Hardness by 2340B, Dissolved	1040000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 16:57		
Vanadium, Dissolved	3.5J	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:57	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 16:57	7440-66-6	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:51	7439-97-6	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 16:58	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 16:58	208-96-8	
Anthracene	<0.018	ug/L	0.048	0.018	1	04/08/24 12:20	04/09/24 16:58	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 16:58	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-2-24Q1 Lab ID: 40276453002 Collected: 04/03/24 10:45 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 16:58	50-32-8	
Benzo(b)fluoranthene	<0.0087	ug/L	0.048	0.0087	1	04/08/24 12:20	04/09/24 16:58	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 16:58	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.048	0.021	1	04/08/24 12:20	04/09/24 16:58	207-08-9	
Chrysene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 16:58	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	04/08/24 12:20	04/09/24 16:58	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 16:58	206-44-0	
Fluorene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 16:58	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	04/08/24 12:20	04/09/24 16:58	193-39-5	
Naphthalene	<0.019	ug/L	0.048	0.019	1	04/08/24 12:20	04/09/24 16:58	91-20-3	
Phenanthrene	<0.024	ug/L	0.048	0.024	1	04/08/24 12:20	04/09/24 16:58	85-01-8	
Pyrene	<0.021	ug/L	0.048	0.021	1	04/08/24 12:20	04/09/24 16:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	38-120		1	04/08/24 12:20	04/09/24 16:58	321-60-8	
Terphenyl-d14 (S)	56	%	47-121		1	04/08/24 12:20	04/09/24 16:58	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 18:11	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 18:11	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 18:11	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 18:11	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 18:11	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/10/24 18:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 18:11	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 18:11	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	1010	mg/L	10.0	5.0	1		04/17/24 09:57		
Alkalinity,Bicarbonate (CaCO3)	1010	mg/L	10.0	5.0	1		04/17/24 09:57		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/17/24 09:57		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:17		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	188	mg/L	10.0	2.2	5		04/17/24 15:10	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 07:58		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-2-24Q1** Lab ID: **40276453002** Collected: 04/03/24 10:45 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	3.1	mg/L	0.50	0.19	1		04/09/24 07:27	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-4B-24Q1 Lab ID: 40276453003 Collected: 04/03/24 14:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.041J	mg/L	0.095	0.028	1	04/09/24 08:02	04/11/24 06:36		
TPH - Diesel (C10-C28)	0.081J	mg/L	0.095	0.028	1	04/09/24 08:02	04/11/24 06:36		B
Surrogates									
o-Terphenyl (S)	85	%	44-134		1	04/09/24 08:02	04/11/24 06:36	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		04/15/24 13:06	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 14:07		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 16:59	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 16:59	7440-38-2	
Barium, Dissolved	131	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:59	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 16:59	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 16:59	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 16:59	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 16:59	7440-48-4	
Copper, Dissolved	5.1J	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 16:59	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 16:59	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 16:59	7439-92-1	
Manganese, Dissolved	657	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:59	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:59	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 16:59	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 16:59	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 16:59	7440-28-0	
Total Hardness by 2340B, Dissolved	684000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 16:59		
Vanadium, Dissolved	5.1J	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:59	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 16:59	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:53	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.013	ug/L	0.047	0.013	1	04/08/24 12:20	04/09/24 17:16	83-32-9	
Acenaphthylene	<0.012	ug/L	0.047	0.012	1	04/08/24 12:20	04/09/24 17:16	208-96-8	
Anthracene	<0.017	ug/L	0.047	0.017	1	04/08/24 12:20	04/09/24 17:16	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.047	0.013	1	04/08/24 12:20	04/09/24 17:16	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-4B-24Q1 Lab ID: 40276453003 Collected: 04/03/24 14:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.012	ug/L	0.047	0.012	1	04/08/24 12:20	04/09/24 17:16	50-32-8	
Benzo(b)fluoranthene	<0.0086	ug/L	0.047	0.0086	1	04/08/24 12:20	04/09/24 17:16	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.047	0.022	1	04/08/24 12:20	04/09/24 17:16	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.047	0.021	1	04/08/24 12:20	04/09/24 17:16	207-08-9	
Chrysene	<0.012	ug/L	0.047	0.012	1	04/08/24 12:20	04/09/24 17:16	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.047	0.017	1	04/08/24 12:20	04/09/24 17:16	53-70-3	
Fluoranthene	<0.025	ug/L	0.047	0.025	1	04/08/24 12:20	04/09/24 17:16	206-44-0	
Fluorene	<0.022	ug/L	0.047	0.022	1	04/08/24 12:20	04/09/24 17:16	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.047	0.015	1	04/08/24 12:20	04/09/24 17:16	193-39-5	
Naphthalene	<0.019	ug/L	0.047	0.019	1	04/08/24 12:20	04/09/24 17:16	91-20-3	
Phenanthrene	<0.024	ug/L	0.047	0.024	1	04/08/24 12:20	04/09/24 17:16	85-01-8	
Pyrene	<0.021	ug/L	0.047	0.021	1	04/08/24 12:20	04/09/24 17:16	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	38-120		1	04/08/24 12:20	04/09/24 17:16	321-60-8	
Terphenyl-d14 (S)	54	%	47-121		1	04/08/24 12:20	04/09/24 17:16	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 18:27	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 18:27	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 18:27	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 18:27	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 18:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 18:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 18:27	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 18:27	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	629	mg/L	10.0	5.0	1		04/16/24 10:50		
Alkalinity,Bicarbonate (CaCO3)	629	mg/L	10.0	5.0	1		04/16/24 10:50		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 10:50		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:19		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	185	mg/L	10.0	2.2	5		04/17/24 15:53	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 07:59		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-4B-24Q1** Lab ID: **40276453003** Collected: 04/03/24 14:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	3.5	mg/L	0.50	0.19	1		04/09/24 07:42	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-5-24Q1 **Lab ID:** 40276453004 Collected: 04/03/24 07:56 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.070J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:44		
TPH - Diesel (C10-C28)	0.22	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:44		B
Surrogates									
o-Terphenyl (S)	93	%	44-134		1	04/09/24 08:02	04/11/24 06:44	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	4590	ug/L	112	23.0	40		04/15/24 15:39	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 17:34		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:01	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:01	7440-38-2	
Barium, Dissolved	73.0	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:01	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:01	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:01	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:01	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:01	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:01	7440-50-8	
Iron, Dissolved	203	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:01	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:01	7439-92-1	
Manganese, Dissolved	60.0	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:01	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:01	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:01	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:01	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:01	7440-28-0	
Total Hardness by 2340B, Dissolved	239000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:01		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:01	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:01	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:55	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.19	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 17:34	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 17:34	208-96-8	
Anthracene	<0.018	ug/L	0.048	0.018	1	04/08/24 12:20	04/09/24 17:34	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 17:34	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-5-24Q1 Lab ID: 40276453004 Collected: 04/03/24 07:56 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 17:34	50-32-8	
Benzo(b)fluoranthene	<0.0088	ug/L	0.048	0.0088	1	04/08/24 12:20	04/09/24 17:34	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 17:34	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 17:34	207-08-9	
Chrysene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 17:34	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	04/08/24 12:20	04/09/24 17:34	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 17:34	206-44-0	
Fluorene	0.068	ug/L	0.048	0.023	1	04/08/24 12:20	04/09/24 17:34	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	04/08/24 12:20	04/09/24 17:34	193-39-5	
Naphthalene	0.68	ug/L	0.048	0.019	1	04/08/24 12:20	04/09/24 17:34	91-20-3	
Phenanthrene	0.059	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 17:34	85-01-8	
Pyrene	0.023J	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 17:34	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	53	%	38-120		1	04/08/24 12:20	04/09/24 17:34	321-60-8	
Terphenyl-d14 (S)	59	%	47-121		1	04/08/24 12:20	04/09/24 17:34	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/12/24 09:19	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/12/24 09:19	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/12/24 09:19	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/12/24 09:19	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/12/24 09:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/12/24 09:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/12/24 09:19	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/12/24 09:19	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	211	mg/L	10.0	5.0	1		04/16/24 11:04		
Alkalinity,Bicarbonate (CaCO3)	211	mg/L	10.0	5.0	1		04/16/24 11:04		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 11:04		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:21		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	82.9	mg/L	10.0	2.2	5		04/17/24 16:07	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:00		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-5-24Q1 Lab ID: 40276453004 Collected: 04/03/24 07:56 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	5.6	mg/L	1.0	0.38	2		04/09/24 07:59	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-3B-24Q1 **Lab ID:** 40276453005 Collected: 04/03/24 09:08 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	<0.11	mg/L	0.36	0.11	4	04/09/24 08:02	04/11/24 09:17		
TPH - Diesel (C10-C28)	3.2	mg/L	0.36	0.11	4	04/09/24 08:02	04/11/24 09:17		
Surrogates									
o-Terphenyl (S)	0	%	44-134		4	04/09/24 08:02	04/11/24 09:17	84-15-1	S4
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	312	ug/L	5.6	1.2	2		04/16/24 13:59	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	3970	ug/L	50.0	30.5	1		04/08/24 14:59		GO
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:03	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:03	7440-38-2	
Barium, Dissolved	144	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:03	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:03	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:03	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:03	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:03	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:03	7440-50-8	
Iron, Dissolved	662	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:03	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:03	7439-92-1	
Manganese, Dissolved	234	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:03	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:03	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:03	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:03	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:03	7440-28-0	
Total Hardness by 2340B, Dissolved	436000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:03		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:03	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:03	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:58	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	21.4	ug/L	2.4	0.67	50	04/08/24 12:20	04/09/24 21:31	83-32-9	
Acenaphthylene	6.1	ug/L	2.4	0.61	50	04/08/24 12:20	04/09/24 21:31	208-96-8	
Anthracene	3.9	ug/L	2.4	0.89	50	04/08/24 12:20	04/09/24 21:31	120-12-7	
Benzo(a)anthracene	<0.65	ug/L	2.4	0.65	50	04/08/24 12:20	04/09/24 21:31	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-3B-24Q1 Lab ID: 40276453005 Collected: 04/03/24 09:08 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.61	ug/L	2.4	0.61	50	04/08/24 12:20	04/09/24 21:31	50-32-8	
Benzo(b)fluoranthene	<0.44	ug/L	2.4	0.44	50	04/08/24 12:20	04/09/24 21:31	205-99-2	
Benzo(g,h,i)perylene	<1.1	ug/L	2.4	1.1	50	04/08/24 12:20	04/09/24 21:31	191-24-2	
Benzo(k)fluoranthene	<1.1	ug/L	2.4	1.1	50	04/08/24 12:20	04/09/24 21:31	207-08-9	
Chrysene	<0.61	ug/L	2.4	0.61	50	04/08/24 12:20	04/09/24 21:31	218-01-9	
Dibenz(a,h)anthracene	<0.86	ug/L	2.4	0.86	50	04/08/24 12:20	04/09/24 21:31	53-70-3	
Fluoranthene	2.9	ug/L	2.4	1.3	50	04/08/24 12:20	04/09/24 21:31	206-44-0	
Fluorene	7.6	ug/L	2.4	1.1	50	04/08/24 12:20	04/09/24 21:31	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.75	ug/L	2.4	0.75	50	04/08/24 12:20	04/09/24 21:31	193-39-5	
Naphthalene	475	ug/L	2.4	0.96	50	04/08/24 12:20	04/09/24 21:31	91-20-3	
Phenanthrene	19.9	ug/L	2.4	1.2	50	04/08/24 12:20	04/09/24 21:31	85-01-8	
Pyrene	2.9	ug/L	2.4	1.1	50	04/08/24 12:20	04/09/24 21:31	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	38-120		50	04/08/24 12:20	04/09/24 21:31	321-60-8	
Terphenyl-d14 (S)	48	%	47-121		50	04/08/24 12:20	04/09/24 21:31	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	796	ug/L	5.0	1.5	5		04/10/24 22:41	71-43-2	
Ethylbenzene	350	ug/L	5.0	1.6	5		04/10/24 22:41	100-41-4	
Styrene	<1.8	ug/L	5.0	1.8	5		04/10/24 22:41	100-42-5	
Toluene	187	ug/L	5.0	1.4	5		04/10/24 22:41	108-88-3	
Xylene (Total)	374	ug/L	15.0	5.2	5		04/10/24 22:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		5		04/10/24 22:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		5		04/10/24 22:41	2199-69-1	
Toluene-d8 (S)	102	%	70-130		5		04/10/24 22:41	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	449	mg/L	10.0	5.0	1		04/16/24 11:12		M0
Alkalinity,Bicarbonate (CaCO3)	449	mg/L	10.0	5.0	1		04/16/24 11:12		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 11:12		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	1.2J	mg/L	4.0	1.2	1		04/08/24 16:22		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	31.2	mg/L	10.0	2.2	5		04/17/24 16:21	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:03		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-3B-24Q1 Lab ID: 40276453005 Collected: 04/03/24 09:08 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	10.3	mg/L	1.5	0.57	3		04/09/24 08:16	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-9-24Q1 Lab ID: 40276453006 Collected: 04/05/24 13:42 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	1.4J	mg/L	1.8	0.55	20	04/10/24 07:35	04/16/24 08:10		
TPH - Diesel (C10-C28)	12.5	mg/L	1.8	0.55	20	04/10/24 07:35	04/16/24 08:10		
Surrogates									
o-Terphenyl (S)	0	%	44-134		20	04/10/24 07:35	04/16/24 08:10	84-15-1	S4
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	4360	ug/L	140	28.8	50		04/16/24 14:06	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	13000	ug/L	1000	609	20		04/08/24 18:26		GO
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:05	7440-36-0	
Arsenic, Dissolved	13.3J	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:05	7440-38-2	
Barium, Dissolved	32.9	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:05	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:05	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:05	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:05	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:05	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:05	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:05	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:05	7439-92-1	
Manganese, Dissolved	90.3	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:05	7439-96-5	
Nickel, Dissolved	5.9J	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:05	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:05	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:05	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:05	7440-28-0	
Total Hardness by 2340B, Dissolved	205000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:05		
Vanadium, Dissolved	121	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:05	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:05	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	0.25	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:00	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	77.9	ug/L	3.9	1.1	80	04/09/24 08:49	04/11/24 01:38	83-32-9	
Acenaphthylene	2.6J	ug/L	3.9	0.98	80	04/09/24 08:49	04/11/24 01:38	208-96-8	
Anthracene	6.6	ug/L	3.9	1.4	80	04/09/24 08:49	04/11/24 01:38	120-12-7	
Benzo(a)anthracene	1.7J	ug/L	3.9	1.1	80	04/09/24 08:49	04/11/24 01:38	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-9-24Q1 **Lab ID: 40276453006** Collected: 04/05/24 13:42 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.98	ug/L	3.9	0.98	80	04/09/24 08:49	04/11/24 01:38	50-32-8	
Benzo(b)fluoranthene	<0.71	ug/L	3.9	0.71	80	04/09/24 08:49	04/11/24 01:38	205-99-2	
Benzo(g,h,i)perylene	<1.8	ug/L	3.9	1.8	80	04/09/24 08:49	04/11/24 01:38	191-24-2	
Benzo(k)fluoranthene	<1.7	ug/L	3.9	1.7	80	04/09/24 08:49	04/11/24 01:38	207-08-9	
Chrysene	1.3J	ug/L	3.9	0.98	80	04/09/24 08:49	04/11/24 01:38	218-01-9	
Dibenz(a,h)anthracene	<1.4	ug/L	3.9	1.4	80	04/09/24 08:49	04/11/24 01:38	53-70-3	
Fluoranthene	5.7	ug/L	3.9	2.0	80	04/09/24 08:49	04/11/24 01:38	206-44-0	
Fluorene	17.5	ug/L	3.9	1.8	80	04/09/24 08:49	04/11/24 01:38	86-73-7	
Indeno(1,2,3-cd)pyrene	<1.2	ug/L	3.9	1.2	80	04/09/24 08:49	04/11/24 01:38	193-39-5	
Naphthalene	661	ug/L	3.9	1.5	80	04/09/24 08:49	04/11/24 01:38	91-20-3	
Phenanthrene	35.2	ug/L	3.9	2.0	80	04/09/24 08:49	04/11/24 01:38	85-01-8	
Pyrene	6.6	ug/L	3.9	1.8	80	04/09/24 08:49	04/11/24 01:38	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	43	%	38-120		80	04/09/24 08:49	04/11/24 01:38	321-60-8	
Terphenyl-d14 (S)	31	%	47-121		80	04/09/24 08:49	04/11/24 01:38	1718-51-0	S4
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	5190	ug/L	40.0	11.8	40		04/10/24 22:10	71-43-2	
Ethylbenzene	735	ug/L	40.0	13.0	40		04/10/24 22:10	100-41-4	
Styrene	<14.3	ug/L	40.0	14.3	40		04/10/24 22:10	100-42-5	
Toluene	1670	ug/L	40.0	11.5	40		04/10/24 22:10	108-88-3	
Xylene (Total)	1670	ug/L	120	41.9	40		04/10/24 22:10	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		40		04/10/24 22:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		40		04/10/24 22:10	2199-69-1	
Toluene-d8 (S)	102	%	70-130		40		04/10/24 22:10	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	257	mg/L	10.0	5.0	1		04/16/24 11:23		
Alkalinity,Bicarbonate (CaCO3)	94.6	mg/L	10.0	5.0	1		04/16/24 11:23		
Alkalinity,Carbonate (CaCO3)	163	mg/L	10.0	5.0	1		04/16/24 11:23		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	22.8	mg/L	4.0	1.2	1		04/08/24 19:32		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<44.4	mg/L	200	44.4	100		04/17/24 21:54	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:04		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-9-24Q1** Lab ID: **40276453006** Collected: 04/05/24 13:42 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	137	mg/L	15.0	5.7	30		04/09/24 08:32	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-10-24Q1 Lab ID: 40276453007 Collected: 04/04/24 13:50 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.042J	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 07:00		
TPH - Diesel (C10-C28)	0.22	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 07:00		B
Surrogates									
o-Terphenyl (S)	62	%	44-134		1	04/09/24 08:02	04/11/24 07:00	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	736	ug/L	14.0	2.9	5		04/16/24 14:13	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	107	ug/L	50.0	30.5	1		04/09/24 12:31		GO
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:06	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:06	7440-38-2	
Barium, Dissolved	96.8	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:06	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:06	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:06	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:06	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:06	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:06	7440-50-8	
Iron, Dissolved	41900	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:06	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:06	7439-92-1	
Manganese, Dissolved	711	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:06	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:06	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:06	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:06	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:06	7440-28-0	
Total Hardness by 2340B, Dissolved	313000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:06		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:06	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:06	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:02	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	4.2	ug/L	0.051	0.014	1	04/08/24 12:20	04/09/24 17:52	83-32-9	
Acenaphthylene	0.20	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 17:52	208-96-8	
Anthracene	0.36	ug/L	0.051	0.019	1	04/08/24 12:20	04/09/24 17:52	120-12-7	
Benzo(a)anthracene	0.17	ug/L	0.051	0.014	1	04/08/24 12:20	04/09/24 17:52	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-10-24Q1 **Lab ID:** 40276453007 Collected: 04/04/24 13:50 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.21	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 17:52	50-32-8	
Benzo(b)fluoranthene	0.16	ug/L	0.051	0.0093	1	04/08/24 12:20	04/09/24 17:52	205-99-2	
Benzo(g,h,i)perylene	0.16	ug/L	0.051	0.024	1	04/08/24 12:20	04/09/24 17:52	191-24-2	
Benzo(k)fluoranthene	0.060	ug/L	0.051	0.023	1	04/08/24 12:20	04/09/24 17:52	207-08-9	
Chrysene	0.19	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 17:52	218-01-9	
Dibenz(a,h)anthracene	0.027J	ug/L	0.051	0.018	1	04/08/24 12:20	04/09/24 17:52	53-70-3	
Fluoranthene	0.46	ug/L	0.051	0.027	1	04/08/24 12:20	04/09/24 17:52	206-44-0	
Fluorene	0.95	ug/L	0.051	0.024	1	04/08/24 12:20	04/09/24 17:52	86-73-7	
Indeno(1,2,3-cd)pyrene	0.11	ug/L	0.051	0.016	1	04/08/24 12:20	04/09/24 17:52	193-39-5	
Naphthalene	0.82	ug/L	0.051	0.020	1	04/08/24 12:20	04/09/24 17:52	91-20-3	
Phenanthrene	0.43	ug/L	0.051	0.026	1	04/08/24 12:20	04/09/24 17:52	85-01-8	
Pyrene	0.71	ug/L	0.051	0.023	1	04/08/24 12:20	04/09/24 17:52	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	56	%	38-120		1	04/08/24 12:20	04/09/24 17:52	321-60-8	
Terphenyl-d14 (S)	56	%	47-121		1	04/08/24 12:20	04/09/24 17:52	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	82.7	ug/L	1.0	0.30	1		04/10/24 18:43	71-43-2	
Ethylbenzene	0.41J	ug/L	1.0	0.33	1		04/10/24 18:43	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 18:43	100-42-5	
Toluene	3.9	ug/L	1.0	0.29	1		04/10/24 18:43	108-88-3	
Xylene (Total)	1.6J	ug/L	3.0	1.0	1		04/10/24 18:43	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/10/24 18:43	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 18:43	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 18:43	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	116	mg/L	10.0	5.0	1		04/16/24 11:50		
Alkalinity,Bicarbonate (CaCO3)	116	mg/L	10.0	5.0	1		04/16/24 11:50		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 11:50		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:34		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	216	mg/L	10.0	2.2	5		04/17/24 16:52	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.062J	mg/L	0.25	0.059	1		04/10/24 08:04		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-10-24Q1 Lab ID: 40276453007 Collected: 04/04/24 13:50 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	7.0	mg/L	0.50	0.19	1		04/09/24 09:07	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-11-24Q1 Lab ID: 40276453008 Collected: 04/04/24 18:04 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.043J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 07:08		
TPH - Diesel (C10-C28)	0.11	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 07:08		B
Surrogates									
o-Terphenyl (S)	66	%	44-134		1	04/09/24 08:02	04/11/24 07:08	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	715	ug/L	14.0	2.9	5		04/16/24 14:20	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 15:51		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:08	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:08	7440-38-2	
Barium, Dissolved	77.0	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:08	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:08	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:08	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:08	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:08	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:08	7440-50-8	
Iron, Dissolved	7040	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:08	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:08	7439-92-1	
Manganese, Dissolved	232	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:08	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:08	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:08	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:08	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:08	7440-28-0	
Total Hardness by 2340B, Dissolved	168000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:08		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:08	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:08	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:04	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	1.2	ug/L	0.049	0.014	1	04/08/24 12:20	04/09/24 18:10	83-32-9	
Acenaphthylene	0.055	ug/L	0.049	0.012	1	04/08/24 12:20	04/09/24 18:10	208-96-8	
Anthracene	0.11	ug/L	0.049	0.018	1	04/08/24 12:20	04/09/24 18:10	120-12-7	
Benzo(a)anthracene	0.088	ug/L	0.049	0.013	1	04/08/24 12:20	04/09/24 18:10	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-11-24Q1 Lab ID: 40276453008 Collected: 04/04/24 18:04 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.081	ug/L	0.049	0.012	1	04/08/24 12:20	04/09/24 18:10	50-32-8	
Benzo(b)fluoranthene	0.096	ug/L	0.049	0.0090	1	04/08/24 12:20	04/09/24 18:10	205-99-2	
Benzo(g,h,i)perylene	0.075	ug/L	0.049	0.023	1	04/08/24 12:20	04/09/24 18:10	191-24-2	
Benzo(k)fluoranthene	0.034J	ug/L	0.049	0.022	1	04/08/24 12:20	04/09/24 18:10	207-08-9	
Chrysene	0.092	ug/L	0.049	0.012	1	04/08/24 12:20	04/09/24 18:10	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.049	0.018	1	04/08/24 12:20	04/09/24 18:10	53-70-3	
Fluoranthene	0.21	ug/L	0.049	0.026	1	04/08/24 12:20	04/09/24 18:10	206-44-0	
Fluorene	0.37	ug/L	0.049	0.023	1	04/08/24 12:20	04/09/24 18:10	86-73-7	
Indeno(1,2,3-cd)pyrene	0.055	ug/L	0.049	0.015	1	04/08/24 12:20	04/09/24 18:10	193-39-5	
Naphthalene	0.15	ug/L	0.049	0.020	1	04/08/24 12:20	04/09/24 18:10	91-20-3	
Phenanthrene	0.38	ug/L	0.049	0.025	1	04/08/24 12:20	04/09/24 18:10	85-01-8	
Pyrene	0.22	ug/L	0.049	0.022	1	04/08/24 12:20	04/09/24 18:10	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	38-120		1	04/08/24 12:20	04/09/24 18:10	321-60-8	
Terphenyl-d14 (S)	62	%	47-121		1	04/08/24 12:20	04/09/24 18:10	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 18:59	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 18:59	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 18:59	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 18:59	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 18:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 18:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/10/24 18:59	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 18:59	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	118	mg/L	10.0	5.0	1		04/16/24 11:57		
Alkalinity,Bicarbonate (CaCO3)	118	mg/L	10.0	5.0	1		04/16/24 11:57		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 11:57		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:36		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	43.5	mg/L	10.0	2.2	5		04/17/24 17:06	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:05		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-11-24Q1** Lab ID: **40276453008** Collected: 04/04/24 18:04 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	3.6	mg/L	0.50	0.19	1		04/09/24 09:23	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-TB-1** Lab ID: **40276453009** Collected: 04/05/24 12:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 10:40		
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 17:40	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 17:40	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 17:40	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 17:40	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 17:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 17:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 17:40	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/10/24 17:40	2037-26-5	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-1 Lab ID: 40276453010 Collected: 04/03/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	<0.14	mg/L	0.45	0.14	5	04/09/24 08:02	04/11/24 09:25		
TPH - Diesel (C10-C28)	4.2	mg/L	0.45	0.14	5	04/09/24 08:02	04/11/24 09:25		
Surrogates									
o-Terphenyl (S)	0	%	44-134		5	04/09/24 08:02	04/11/24 09:25	84-15-1	S4
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	574	ug/L	11.2	2.3	4		04/16/24 14:27	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	3600	ug/L	125	76.2	2.5		04/09/24 12:57		GO
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:10	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:10	7440-38-2	
Barium, Dissolved	151	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:10	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:10	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:10	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:10	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:10	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:10	7440-50-8	
Iron, Dissolved	678	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:10	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:10	7439-92-1	
Manganese, Dissolved	242	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:10	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:10	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:10	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:10	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:10	7440-28-0	
Total Hardness by 2340B, Dissolved	453000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:10		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:10	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:10	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:07	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	23.6	ug/L	3.6	0.99	80	04/08/24 12:20	04/09/24 21:49	83-32-9	
Acenaphthylene	6.6	ug/L	3.6	0.90	80	04/08/24 12:20	04/09/24 21:49	208-96-8	
Anthracene	4.2	ug/L	3.6	1.3	80	04/08/24 12:20	04/09/24 21:49	120-12-7	
Benzo(a)anthracene	<0.97	ug/L	3.6	0.97	80	04/08/24 12:20	04/09/24 21:49	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-1 **Lab ID: 40276453010** Collected: 04/03/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.91	ug/L	3.6	0.91	80	04/08/24 12:20	04/09/24 21:49	50-32-8	
Benzo(b)fluoranthene	<0.65	ug/L	3.6	0.65	80	04/08/24 12:20	04/09/24 21:49	205-99-2	
Benzo(g,h,i)perylene	<1.7	ug/L	3.6	1.7	80	04/08/24 12:20	04/09/24 21:49	191-24-2	
Benzo(k)fluoranthene	<1.6	ug/L	3.6	1.6	80	04/08/24 12:20	04/09/24 21:49	207-08-9	
Chrysene	<0.90	ug/L	3.6	0.90	80	04/08/24 12:20	04/09/24 21:49	218-01-9	
Dibenz(a,h)anthracene	<1.3	ug/L	3.6	1.3	80	04/08/24 12:20	04/09/24 21:49	53-70-3	
Fluoranthene	3.2J	ug/L	3.6	1.9	80	04/08/24 12:20	04/09/24 21:49	206-44-0	
Fluorene	8.4	ug/L	3.6	1.7	80	04/08/24 12:20	04/09/24 21:49	86-73-7	
Indeno(1,2,3-cd)pyrene	<1.1	ug/L	3.6	1.1	80	04/08/24 12:20	04/09/24 21:49	193-39-5	
Naphthalene	527	ug/L	3.6	1.4	80	04/08/24 12:20	04/09/24 21:49	91-20-3	
Phenanthrene	22.5	ug/L	3.6	1.8	80	04/08/24 12:20	04/09/24 21:49	85-01-8	
Pyrene	3.0J	ug/L	3.6	1.6	80	04/08/24 12:20	04/09/24 21:49	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	38-120		80	04/08/24 12:20	04/09/24 21:49	321-60-8	
Terphenyl-d14 (S)	51	%	47-121		80	04/08/24 12:20	04/09/24 21:49	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	883	ug/L	10.0	3.0	10		04/10/24 22:25	71-43-2	
Ethylbenzene	381	ug/L	10.0	3.3	10		04/10/24 22:25	100-41-4	
Styrene	<3.6	ug/L	10.0	3.6	10		04/10/24 22:25	100-42-5	
Toluene	208	ug/L	10.0	2.9	10		04/10/24 22:25	108-88-3	
Xylene (Total)	409	ug/L	30.0	10.5	10		04/10/24 22:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		10		04/10/24 22:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		10		04/10/24 22:25	2199-69-1	
Toluene-d8 (S)	102	%	70-130		10		04/10/24 22:25	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	441	mg/L	10.0	5.0	1		04/16/24 12:04		
Alkalinity,Bicarbonate (CaCO3)	441	mg/L	10.0	5.0	1		04/16/24 12:04		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 12:04		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	1.2J	mg/L	4.0	1.2	1		04/08/24 16:24		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	31.3	mg/L	10.0	2.2	5		04/17/24 18:04	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:09		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-1 Lab ID: 40276453010 Collected: 04/03/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	10.8	mg/L	1.5	0.57	3		04/09/24 09:39	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-12-24Q1 Lab ID: 40276453011 Collected: 04/03/24 17:27 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.037J	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 07:24		
TPH - Diesel (C10-C28)	0.26	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 07:24		B
Surrogates									
o-Terphenyl (S)	62	%	44-134		1	04/09/24 08:02	04/11/24 07:24	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	9020	ug/L	280	57.6	100		04/16/24 14:34	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 18:00		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:16	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:16	7440-38-2	
Barium, Dissolved	233	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:16	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:16	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:16	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:16	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:16	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:16	7440-50-8	
Iron, Dissolved	27100	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:16	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:16	7439-92-1	
Manganese, Dissolved	1980	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:16	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:16	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:16	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:16	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:16	7440-28-0	
Total Hardness by 2340B, Dissolved	542000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:16		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:16	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:16	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:09	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	20.7	ug/L	0.10	0.028	2	04/08/24 12:20	04/09/24 22:07	83-32-9	
Acenaphthylene	0.20	ug/L	0.10	0.025	2	04/08/24 12:20	04/09/24 22:07	208-96-8	
Anthracene	0.40	ug/L	0.10	0.037	2	04/08/24 12:20	04/09/24 22:07	120-12-7	
Benzo(a)anthracene	0.064J	ug/L	0.10	0.027	2	04/08/24 12:20	04/09/24 22:07	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-12-24Q1 Lab ID: 40276453011 Collected: 04/03/24 17:27 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.026J	ug/L	0.10	0.025	2	04/08/24 12:20	04/09/24 22:07	50-32-8	
Benzo(b)fluoranthene	0.029J	ug/L	0.10	0.018	2	04/08/24 12:20	04/09/24 22:07	205-99-2	
Benzo(g,h,i)perylene	<0.046	ug/L	0.10	0.046	2	04/08/24 12:20	04/09/24 22:07	191-24-2	
Benzo(k)fluoranthene	<0.044	ug/L	0.10	0.044	2	04/08/24 12:20	04/09/24 22:07	207-08-9	
Chrysene	0.065J	ug/L	0.10	0.025	2	04/08/24 12:20	04/09/24 22:07	218-01-9	
Dibenz(a,h)anthracene	<0.035	ug/L	0.10	0.035	2	04/08/24 12:20	04/09/24 22:07	53-70-3	
Fluoranthene	0.85	ug/L	0.10	0.052	2	04/08/24 12:20	04/09/24 22:07	206-44-0	
Fluorene	5.5	ug/L	0.10	0.047	2	04/08/24 12:20	04/09/24 22:07	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.031	ug/L	0.10	0.031	2	04/08/24 12:20	04/09/24 22:07	193-39-5	
Naphthalene	0.29	ug/L	0.10	0.040	2	04/08/24 12:20	04/09/24 22:07	91-20-3	
Phenanthrene	2.3	ug/L	0.10	0.051	2	04/08/24 12:20	04/09/24 22:07	85-01-8	
Pyrene	0.78	ug/L	0.10	0.045	2	04/08/24 12:20	04/09/24 22:07	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	52	%	38-120		2	04/08/24 12:20	04/09/24 22:07	321-60-8	
Terphenyl-d14 (S)	57	%	47-121		2	04/08/24 12:20	04/09/24 22:07	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.39J	ug/L	1.0	0.30	1		04/10/24 19:15	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 19:15	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 19:15	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 19:15	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 19:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/10/24 19:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/10/24 19:15	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/10/24 19:15	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	240	mg/L	10.0	5.0	1		04/16/24 12:15		
Alkalinity,Bicarbonate (CaCO3)	240	mg/L	10.0	5.0	1		04/16/24 12:15		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 12:15		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:26		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	233	mg/L	10.0	2.2	5		04/17/24 18:18	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:10		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-12-24Q1 Lab ID: 40276453011 Collected: 04/03/24 17:27 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	5.6	mg/L	0.50	0.19	1		04/09/24 09:57	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-13-24Q1 Lab ID: 40276453012 Collected: 04/04/24 09:12 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.056J	mg/L	0.10	0.030	1	04/09/24 08:02	04/11/24 07:32		
TPH - Diesel (C10-C28)	0.17	mg/L	0.10	0.030	1	04/09/24 08:02	04/11/24 07:32		B
Surrogates									
o-Terphenyl (S)	72	%	44-134		1	04/09/24 08:02	04/11/24 07:32	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		04/16/24 13:45	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 16:16		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:17	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:17	7440-38-2	
Barium, Dissolved	105	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:17	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:17	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:17	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:17	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:17	7440-48-4	
Copper, Dissolved	10.0	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:17	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:17	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:17	7439-92-1	
Manganese, Dissolved	111	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:17	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:17	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:17	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:17	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:17	7440-28-0	
Total Hardness by 2340B, Dissolved	1400000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:17		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:17	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:17	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:16	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	2.1	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 18:28	83-32-9	
Acenaphthylene	0.20	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 18:28	208-96-8	
Anthracene	0.81	ug/L	0.050	0.019	1	04/08/24 12:20	04/09/24 18:28	120-12-7	
Benzo(a)anthracene	0.56	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 18:28	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-13-24Q1 **Lab ID:** 40276453012 Collected: 04/04/24 09:12 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.46	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 18:28	50-32-8	
Benzo(b)fluoranthene	0.40	ug/L	0.050	0.0092	1	04/08/24 12:20	04/09/24 18:28	205-99-2	
Benzo(g,h,i)perylene	0.25	ug/L	0.050	0.024	1	04/08/24 12:20	04/09/24 18:28	191-24-2	
Benzo(k)fluoranthene	0.15	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 18:28	207-08-9	
Chrysene	0.50	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 18:28	218-01-9	
Dibenz(a,h)anthracene	0.049J	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 18:28	53-70-3	
Fluoranthene	1.2	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 18:28	206-44-0	
Fluorene	0.87	ug/L	0.050	0.024	1	04/08/24 12:20	04/09/24 18:28	86-73-7	
Indeno(1,2,3-cd)pyrene	0.19	ug/L	0.050	0.016	1	04/08/24 12:20	04/09/24 18:28	193-39-5	
Naphthalene	2.3	ug/L	0.050	0.020	1	04/08/24 12:20	04/09/24 18:28	91-20-3	
Phenanthrene	3.2	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 18:28	85-01-8	
Pyrene	1.5	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 18:28	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	53	%	38-120		1	04/08/24 12:20	04/09/24 18:28	321-60-8	
Terphenyl-d14 (S)	57	%	47-121		1	04/08/24 12:20	04/09/24 18:28	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	0.44J	ug/L	1.0	0.30	1		04/10/24 19:31	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 19:31	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 19:31	100-42-5	
Toluene	0.30J	ug/L	1.0	0.29	1		04/10/24 19:31	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 19:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/10/24 19:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 19:31	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 19:31	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	853	mg/L	10.0	5.0	1		04/16/24 12:23		
Alkalinity,Bicarbonate (CaCO3)	853	mg/L	10.0	5.0	1		04/16/24 12:23		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 12:23		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:37		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	478	mg/L	40.0	8.9	20		04/18/24 13:40	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:13		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-13-24Q1 Lab ID: 40276453012 Collected: 04/04/24 09:12 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	7.8	mg/L	1.0	0.38	2		04/09/24 10:15	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-14-24Q1 Lab ID: 40276453013 Collected: 04/05/24 08:51 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.065J	mg/L	0.090	0.027	1	04/10/24 07:35	04/16/24 06:48		
TPH - Diesel (C10-C28)	0.12	mg/L	0.090	0.027	1	04/10/24 07:35	04/16/24 06:48		B
Surrogates									
o-Terphenyl (S)	83	%	44-134		1	04/10/24 07:35	04/16/24 06:48	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	5.6	ug/L	2.8	0.58	1		04/16/24 10:48	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 16:42		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:19	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:19	7440-38-2	
Barium, Dissolved	46.6	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:19	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:19	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:19	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:19	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:19	7440-48-4	
Copper, Dissolved	5.0J	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:19	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:19	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:19	7439-92-1	
Manganese, Dissolved	237	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:19	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:19	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:19	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:19	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:19	7440-28-0	
Total Hardness by 2340B, Dissolved	1760000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:19		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:19	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:19	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:18	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.031J	ug/L	0.050	0.014	1	04/09/24 08:49	04/11/24 00:06	83-32-9	
Acenaphthylene	0.027J	ug/L	0.050	0.013	1	04/09/24 08:49	04/11/24 00:06	208-96-8	
Anthracene	0.033J	ug/L	0.050	0.018	1	04/09/24 08:49	04/11/24 00:06	120-12-7	
Benzo(a)anthracene	0.049J	ug/L	0.050	0.014	1	04/09/24 08:49	04/11/24 00:06	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-14-24Q1 **Lab ID:** 40276453013 Collected: 04/05/24 08:51 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.047J	ug/L	0.050	0.013	1	04/09/24 08:49	04/11/24 00:06	50-32-8	
Benzo(b)fluoranthene	0.048J	ug/L	0.050	0.0090	1	04/09/24 08:49	04/11/24 00:06	205-99-2	
Benzo(g,h,i)perylene	0.033J	ug/L	0.050	0.023	1	04/09/24 08:49	04/11/24 00:06	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.050	0.022	1	04/09/24 08:49	04/11/24 00:06	207-08-9	
Chrysene	0.054	ug/L	0.050	0.013	1	04/09/24 08:49	04/11/24 00:06	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	04/09/24 08:49	04/11/24 00:06	53-70-3	
Fluoranthene	0.097	ug/L	0.050	0.026	1	04/09/24 08:49	04/11/24 00:06	206-44-0	
Fluorene	0.028J	ug/L	0.050	0.023	1	04/09/24 08:49	04/11/24 00:06	86-73-7	
Indeno(1,2,3-cd)pyrene	0.028J	ug/L	0.050	0.015	1	04/09/24 08:49	04/11/24 00:06	193-39-5	
Naphthalene	<0.020	ug/L	0.050	0.020	1	04/09/24 08:49	04/11/24 00:06	91-20-3	
Phenanthrene	0.18	ug/L	0.050	0.025	1	04/09/24 08:49	04/11/24 00:06	85-01-8	
Pyrene	0.12	ug/L	0.050	0.022	1	04/09/24 08:49	04/11/24 00:06	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	38-120		1	04/09/24 08:49	04/11/24 00:06	321-60-8	
Terphenyl-d14 (S)	48	%	47-121		1	04/09/24 08:49	04/11/24 00:06	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 19:47	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 19:47	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 19:47	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 19:47	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 19:47	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/10/24 19:47	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/10/24 19:47	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 19:47	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	674	mg/L	10.0	5.0	1		04/16/24 12:40		
Alkalinity,Bicarbonate (CaCO3)	674	mg/L	10.0	5.0	1		04/16/24 12:40		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 12:40		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:50		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	1760	mg/L	100	22.2	50		04/18/24 13:54	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:14		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-14-24Q1 Lab ID: 40276453013 Collected: 04/05/24 08:51 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	5.5	mg/L	0.50	0.19	1		04/09/24 10:34	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-15-24Q1 **Lab ID:** 40276453014 Collected: 04/04/24 16:03 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.037J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 07:40		
TPH - Diesel (C10-C28)	0.32	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 07:40		
Surrogates									
o-Terphenyl (S)	99	%	44-134		1	04/09/24 08:02	04/11/24 07:40	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	180	ug/L	2.8	0.58	1		04/16/24 10:55	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/08/24 17:08		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:21	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:21	7440-38-2	
Barium, Dissolved	38.4	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:21	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:21	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:21	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:21	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:21	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:21	7440-50-8	
Iron, Dissolved	2540	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:21	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:21	7439-92-1	
Manganese, Dissolved	316	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:21	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:21	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:21	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:21	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:21	7440-28-0	
Total Hardness by 2340B, Dissolved	226000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:21		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:21	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:21	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:21	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	14.4	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 22:43	83-32-9	
Acenaphthylene	0.26	ug/L	0.050	0.012	1	04/08/24 12:20	04/09/24 22:43	208-96-8	
Anthracene	0.72	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 22:43	120-12-7	
Benzo(a)anthracene	0.40	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 22:43	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-15-24Q1 **Lab ID:** 40276453014 Collected: 04/04/24 16:03 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.17	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 22:43	50-32-8	
Benzo(b)fluoranthene	0.14	ug/L	0.050	0.0090	1	04/08/24 12:20	04/09/24 22:43	205-99-2	
Benzo(g,h,i)perylene	0.076	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 22:43	191-24-2	
Benzo(k)fluoranthene	0.057	ug/L	0.050	0.022	1	04/08/24 12:20	04/09/24 22:43	207-08-9	
Chrysene	0.39	ug/L	0.050	0.012	1	04/08/24 12:20	04/09/24 22:43	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 22:43	53-70-3	
Fluoranthene	4.9	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 22:43	206-44-0	
Fluorene	7.2	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 22:43	86-73-7	
Indeno(1,2,3-cd)pyrene	0.063	ug/L	0.050	0.015	1	04/08/24 12:20	04/09/24 22:43	193-39-5	
Naphthalene	0.27	ug/L	0.050	0.020	1	04/08/24 12:20	04/09/24 22:43	91-20-3	
Phenanthrene	5.7	ug/L	0.050	0.025	1	04/08/24 12:20	04/09/24 22:43	85-01-8	
Pyrene	4.9	ug/L	0.050	0.022	1	04/08/24 12:20	04/09/24 22:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	38-120		1	04/08/24 12:20	04/09/24 22:43	321-60-8	
Terphenyl-d14 (S)	59	%	47-121		1	04/08/24 12:20	04/09/24 22:43	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 20:03	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 20:03	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 20:03	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 20:03	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 20:03	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/10/24 20:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 20:03	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/10/24 20:03	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	153	mg/L	10.0	5.0	1		04/16/24 12:54		
Alkalinity,Bicarbonate (CaCO3)	153	mg/L	10.0	5.0	1		04/16/24 12:54		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 12:54		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:51		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	21.2	mg/L	10.0	2.2	5		04/17/24 19:01	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.80	mg/L	0.25	0.059	1		04/10/24 08:14		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-15-24Q1 Lab ID: 40276453014 Collected: 04/04/24 16:03 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	7.7	mg/L	0.50	0.19	1		04/09/24 10:53	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-16-24Q1 Lab ID: 40276453015 Collected: 04/04/24 17:06 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.032J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 07:48		
TPH - Diesel (C10-C28)	0.058J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 07:48		B
Surrogates									
o-Terphenyl (S)	82	%	44-134		1	04/09/24 08:02	04/11/24 07:48	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	69.0	ug/L	2.8	0.58	1		04/16/24 11:03	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 11:40		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 17:23	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 17:23	7440-38-2	
Barium, Dissolved	414	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:23	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 17:23	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 17:23	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 17:23	7440-47-3	
Cobalt, Dissolved	3.2J	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 17:23	7440-48-4	
Copper, Dissolved	4.1J	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 17:23	7440-50-8	
Iron, Dissolved	20600	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 17:23	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 17:23	7439-92-1	
Manganese, Dissolved	1610	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 17:23	7439-96-5	
Nickel, Dissolved	5.1J	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:23	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 17:23	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 17:23	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 17:23	7440-28-0	
Total Hardness by 2340B, Dissolved	1380000	ug/L	5400	1000	1	04/09/24 05:49	04/11/24 17:23		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 17:23	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 17:23	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:30	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.035J	ug/L	0.051	0.014	1	04/08/24 12:20	04/09/24 18:46	83-32-9	
Acenaphthylene	<0.013	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 18:46	208-96-8	
Anthracene	0.021J	ug/L	0.051	0.019	1	04/08/24 12:20	04/09/24 18:46	120-12-7	
Benzo(a)anthracene	0.016J	ug/L	0.051	0.014	1	04/08/24 12:20	04/09/24 18:46	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-16-24Q1 Lab ID: 40276453015 Collected: 04/04/24 17:06 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 18:46	50-32-8	
Benzo(b)fluoranthene	<0.0093	ug/L	0.051	0.0093	1	04/08/24 12:20	04/09/24 18:46	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.051	0.024	1	04/08/24 12:20	04/09/24 18:46	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.051	0.023	1	04/08/24 12:20	04/09/24 18:46	207-08-9	
Chrysene	0.013J	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 18:46	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.051	0.018	1	04/08/24 12:20	04/09/24 18:46	53-70-3	
Fluoranthene	0.038J	ug/L	0.051	0.027	1	04/08/24 12:20	04/09/24 18:46	206-44-0	
Fluorene	<0.024	ug/L	0.051	0.024	1	04/08/24 12:20	04/09/24 18:46	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.051	0.016	1	04/08/24 12:20	04/09/24 18:46	193-39-5	
Naphthalene	0.067	ug/L	0.051	0.020	1	04/08/24 12:20	04/09/24 18:46	91-20-3	
Phenanthrene	0.086	ug/L	0.051	0.026	1	04/08/24 12:20	04/09/24 18:46	85-01-8	
Pyrene	0.041J	ug/L	0.051	0.023	1	04/08/24 12:20	04/09/24 18:46	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	56	%	38-120		1	04/08/24 12:20	04/09/24 18:46	321-60-8	
Terphenyl-d14 (S)	59	%	47-121		1	04/08/24 12:20	04/09/24 18:46	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 20:19	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 20:19	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 20:19	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 20:19	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 20:19	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/10/24 20:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		04/10/24 20:19	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 20:19	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	314	mg/L	10.0	5.0	1		04/16/24 13:01		
Alkalinity,Bicarbonate (CaCO3)	314	mg/L	10.0	5.0	1		04/16/24 13:01		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 13:01		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:52		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	75.6	mg/L	10.0	2.2	5		04/17/24 19:16	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	5.1	mg/L	0.25	0.059	1		04/10/24 08:15		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-16-24Q1 Lab ID: 40276453015 Collected: 04/04/24 17:06 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	4.0	mg/L	0.50	0.19	1		04/09/24 11:11	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-17-24Q1 **Lab ID:** 40276453016 Collected: 04/05/24 11:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.060J	mg/L	0.090	0.027	1	04/10/24 07:35	04/16/24 06:56		
TPH - Diesel (C10-C28)	0.10	mg/L	0.090	0.027	1	04/10/24 07:35	04/16/24 06:56		B
Surrogates									
o-Terphenyl (S)	81	%	44-134		1	04/10/24 07:35	04/16/24 06:56	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	11000	ug/L	112	23.0	40		04/16/24 14:40	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 17:16		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 17:51	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 17:51	7440-38-2	
Barium, Dissolved	170	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:51	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 17:51	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 17:51	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 17:51	7440-47-3	
Cobalt, Dissolved	3.1J	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 17:51	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 17:51	7440-50-8	
Iron, Dissolved	33500	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 17:51	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 17:51	7439-92-1	
Manganese, Dissolved	1500	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:51	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:51	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 17:51	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 17:51	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 17:51	7440-28-0	
Total Hardness by 2340B, Dissolved	416000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 17:51		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:51	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 17:51	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:32	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.035J	ug/L	0.049	0.014	1	04/09/24 08:49	04/11/24 00:25	83-32-9	
Acenaphthylene	<0.012	ug/L	0.049	0.012	1	04/09/24 08:49	04/11/24 00:25	208-96-8	
Anthracene	0.019J	ug/L	0.049	0.018	1	04/09/24 08:49	04/11/24 00:25	120-12-7	
Benzo(a)anthracene	0.017J	ug/L	0.049	0.013	1	04/09/24 08:49	04/11/24 00:25	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-17-24Q1 Lab ID: 40276453016 Collected: 04/05/24 11:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.049	0.013	1	04/09/24 08:49	04/11/24 00:25	50-32-8	
Benzo(b)fluoranthene	<0.0090	ug/L	0.049	0.0090	1	04/09/24 08:49	04/11/24 00:25	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.049	0.023	1	04/09/24 08:49	04/11/24 00:25	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.049	0.022	1	04/09/24 08:49	04/11/24 00:25	207-08-9	
Chrysene	0.014J	ug/L	0.049	0.012	1	04/09/24 08:49	04/11/24 00:25	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.049	0.018	1	04/09/24 08:49	04/11/24 00:25	53-70-3	
Fluoranthene	0.050	ug/L	0.049	0.026	1	04/09/24 08:49	04/11/24 00:25	206-44-0	
Fluorene	<0.023	ug/L	0.049	0.023	1	04/09/24 08:49	04/11/24 00:25	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.049	0.015	1	04/09/24 08:49	04/11/24 00:25	193-39-5	
Naphthalene	0.024J	ug/L	0.049	0.020	1	04/09/24 08:49	04/11/24 00:25	91-20-3	
Phenanthrene	0.13	ug/L	0.049	0.025	1	04/09/24 08:49	04/11/24 00:25	85-01-8	
Pyrene	0.063	ug/L	0.049	0.022	1	04/09/24 08:49	04/11/24 00:25	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	38-120		1	04/09/24 08:49	04/11/24 00:25	321-60-8	
Terphenyl-d14 (S)	55	%	47-121		1	04/09/24 08:49	04/11/24 00:25	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 21:22	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 21:22	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 21:22	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 21:22	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 21:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/10/24 21:22	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/10/24 21:22	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 21:22	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	423	mg/L	10.0	5.0	1		04/16/24 13:11		
Alkalinity,Bicarbonate (CaCO3)	423	mg/L	10.0	5.0	1		04/16/24 13:11		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 13:11		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:54		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	4.1J	mg/L	10.0	2.2	5		04/17/24 19:30	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.16J	mg/L	0.25	0.059	1		04/10/24 08:16		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-17-24Q1 Lab ID: 40276453016 Collected: 04/05/24 11:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	9.3	mg/L	0.50	0.19	1		04/09/24 11:31	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-21-24Q1 Lab ID: 40276453017 Collected: 04/05/24 10:29 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.056J	mg/L	0.092	0.028	1	04/10/24 07:35	04/16/24 07:04		
TPH - Diesel (C10-C28)	0.11	mg/L	0.092	0.028	1	04/10/24 07:35	04/16/24 07:04		B
Surrogates									
o-Terphenyl (S)	103	%	44-134		1	04/10/24 07:35	04/16/24 07:04	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	13600	ug/L	140	28.8	50		04/16/24 14:48	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 12:06		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 17:54	7440-36-0	
Arsenic, Dissolved	10.6J	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 17:54	7440-38-2	
Barium, Dissolved	121	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:54	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 17:54	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 17:54	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 17:54	7440-47-3	
Cobalt, Dissolved	2.0J	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 17:54	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 17:54	7440-50-8	
Iron, Dissolved	38100	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 17:54	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 17:54	7439-92-1	
Manganese, Dissolved	2300	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:54	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:54	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 17:54	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 17:54	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 17:54	7440-28-0	
Total Hardness by 2340B, Dissolved	424000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 17:54		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:54	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 17:54	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:34	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.036J	ug/L	0.051	0.014	1	04/09/24 08:49	04/11/24 00:43	83-32-9	
Acenaphthylene	<0.013	ug/L	0.051	0.013	1	04/09/24 08:49	04/11/24 00:43	208-96-8	
Anthracene	<0.019	ug/L	0.051	0.019	1	04/09/24 08:49	04/11/24 00:43	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.051	0.014	1	04/09/24 08:49	04/11/24 00:43	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-21-24Q1 Lab ID: 40276453017 Collected: 04/05/24 10:29 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.051	0.013	1	04/09/24 08:49	04/11/24 00:43	50-32-8	
Benzo(b)fluoranthene	<0.0092	ug/L	0.051	0.0092	1	04/09/24 08:49	04/11/24 00:43	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.051	0.024	1	04/09/24 08:49	04/11/24 00:43	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.051	0.023	1	04/09/24 08:49	04/11/24 00:43	207-08-9	
Chrysene	<0.013	ug/L	0.051	0.013	1	04/09/24 08:49	04/11/24 00:43	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.051	0.018	1	04/09/24 08:49	04/11/24 00:43	53-70-3	
Fluoranthene	0.027J	ug/L	0.051	0.027	1	04/09/24 08:49	04/11/24 00:43	206-44-0	
Fluorene	<0.024	ug/L	0.051	0.024	1	04/09/24 08:49	04/11/24 00:43	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.051	0.016	1	04/09/24 08:49	04/11/24 00:43	193-39-5	
Naphthalene	<0.020	ug/L	0.051	0.020	1	04/09/24 08:49	04/11/24 00:43	91-20-3	
Phenanthrene	0.074	ug/L	0.051	0.026	1	04/09/24 08:49	04/11/24 00:43	85-01-8	
Pyrene	0.034J	ug/L	0.051	0.023	1	04/09/24 08:49	04/11/24 00:43	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	38-120		1	04/09/24 08:49	04/11/24 00:43	321-60-8	
Terphenyl-d14 (S)	49	%	47-121		1	04/09/24 08:49	04/11/24 00:43	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 20:35	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 20:35	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 20:35	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 20:35	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 20:35	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/10/24 20:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/10/24 20:35	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 20:35	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	371	mg/L	10.0	5.0	1		04/16/24 13:22		
Alkalinity,Bicarbonate (CaCO3)	371	mg/L	10.0	5.0	1		04/16/24 13:22		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 13:22		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<4.8	mg/L	15.9	4.8	4		04/08/24 20:20		D3
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<2.2	mg/L	10.0	2.2	5		04/17/24 19:44	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:17		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-21-24Q1** Lab ID: **40276453017** Collected: 04/05/24 10:29 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	12.0	mg/L	1.5	0.57	3		04/09/24 11:50	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-22-24Q1 Lab ID: 40276453018 Collected: 04/04/24 10:31 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.042J	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 07:56		
TPH - Diesel (C10-C28)	0.72	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 07:56		
Surrogates									
o-Terphenyl (S)	74	%	44-134		1	04/09/24 08:02	04/11/24 07:56	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	2400	ug/L	28.0	5.8	10		04/16/24 15:17	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 12:32		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 17:56	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 17:56	7440-38-2	
Barium, Dissolved	4270	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:56	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 17:56	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 17:56	7440-43-9	
Chromium, Dissolved	3.0J	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 17:56	7440-47-3	
Cobalt, Dissolved	10.1	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 17:56	7440-48-4	
Copper, Dissolved	24.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 17:56	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 17:56	7439-89-6	
Lead, Dissolved	59.1	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 17:56	7439-92-1	
Manganese, Dissolved	<1.5	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:56	7439-96-5	
Nickel, Dissolved	9.9J	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:56	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 17:56	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 17:56	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 17:56	7440-28-0	
Total Hardness by 2340B, Dissolved	1800000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 17:56		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:56	7440-62-2	
Zinc, Dissolved	11.9J	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 17:56	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:37	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	1.9	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 19:04	83-32-9	
Acenaphthylene	0.015J	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 19:04	208-96-8	
Anthracene	0.036J	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 19:04	120-12-7	
Benzo(a)anthracene	0.036J	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 19:04	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-22-24Q1 Lab ID: 40276453018 Collected: 04/04/24 10:31 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.022J	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 19:04	50-32-8	
Benzo(b)fluoranthene	0.020J	ug/L	0.050	0.0091	1	04/08/24 12:20	04/09/24 19:04	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 19:04	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.050	0.022	1	04/08/24 12:20	04/09/24 19:04	207-08-9	
Chrysene	0.031J	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 19:04	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 19:04	53-70-3	
Fluoranthene	0.086	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 19:04	206-44-0	
Fluorene	0.043J	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 19:04	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.050	0.015	1	04/08/24 12:20	04/09/24 19:04	193-39-5	
Naphthalene	0.57	ug/L	0.050	0.020	1	04/08/24 12:20	04/09/24 19:04	91-20-3	
Phenanthrene	0.21	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 19:04	85-01-8	
Pyrene	0.10	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 19:04	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	38-120		1	04/08/24 12:20	04/09/24 19:04	321-60-8	
Terphenyl-d14 (S)	60	%	47-121		1	04/08/24 12:20	04/09/24 19:04	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	2.6	ug/L	1.0	0.30	1		04/10/24 20:51	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 20:51	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 20:51	100-42-5	
Toluene	1.1	ug/L	1.0	0.29	1		04/10/24 20:51	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 20:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/10/24 20:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/10/24 20:51	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 20:51	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	2240	mg/L	10.0	5.0	1		04/17/24 10:04		
Alkalinity,Bicarbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/17/24 10:04		
Alkalinity,Carbonate (CaCO3)	107	mg/L	10.0	5.0	1		04/17/24 10:04		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 19:58		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<44.4	mg/L	200	44.4	100		04/17/24 22:08	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	1.6	mg/L	0.25	0.059	1		04/10/24 08:17		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-22-24Q1** Lab ID: **40276453018** Collected: 04/04/24 10:31 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	17.3	mg/L	3.0	1.1	6		04/09/24 12:26	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-29-24Q1 **Lab ID:** 40276453019 Collected: 04/04/24 12:49 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.18J	mg/L	0.19	0.058	2	04/09/24 08:02	04/11/24 09:33		
TPH - Diesel (C10-C28)	2.6	mg/L	0.19	0.058	2	04/09/24 08:02	04/11/24 09:33		
Surrogates									
o-Terphenyl (S)	0	%	44-134		2	04/09/24 08:02	04/11/24 09:33	84-15-1	S4
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	19900	ug/L	280	57.6	100		04/16/24 15:23	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	858	ug/L	50.0	30.5	1		04/10/24 12:58		GO
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 17:58	7440-36-0	
Arsenic, Dissolved	80.7	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 17:58	7440-38-2	
Barium, Dissolved	81.0	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:58	7440-39-3	
Beryllium, Dissolved	0.73J	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 17:58	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 17:58	7440-43-9	
Chromium, Dissolved	36.0	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 17:58	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 17:58	7440-48-4	
Copper, Dissolved	46.0	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 17:58	7440-50-8	
Iron, Dissolved	1630	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 17:58	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 17:58	7439-92-1	
Manganese, Dissolved	17.5	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:58	7439-96-5	
Nickel, Dissolved	45.7	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:58	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 17:58	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 17:58	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 17:58	7440-28-0	
Total Hardness by 2340B, Dissolved	41100	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 17:58		
Vanadium, Dissolved	450	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:58	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 17:58	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:39	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	42.5	ug/L	0.39	0.11	8	04/08/24 12:20	04/09/24 22:26	83-32-9	
Acenaphthylene	0.69	ug/L	0.39	0.099	8	04/08/24 12:20	04/09/24 22:26	208-96-8	
Anthracene	3.0	ug/L	0.39	0.15	8	04/08/24 12:20	04/09/24 22:26	120-12-7	
Benzo(a)anthracene	1.0	ug/L	0.39	0.11	8	04/08/24 12:20	04/09/24 22:26	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-29-24Q1 **Lab ID:** 40276453019 Collected: 04/04/24 12:49 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	0.77	ug/L	0.39	0.10	8	04/08/24 12:20	04/09/24 22:26	50-32-8	
Benzo(b)fluoranthene	0.63	ug/L	0.39	0.071	8	04/08/24 12:20	04/09/24 22:26	205-99-2	
Benzo(g,h,i)perylene	0.35J	ug/L	0.39	0.18	8	04/08/24 12:20	04/09/24 22:26	191-24-2	
Benzo(k)fluoranthene	0.23J	ug/L	0.39	0.17	8	04/08/24 12:20	04/09/24 22:26	207-08-9	
Chrysene	1.1	ug/L	0.39	0.099	8	04/08/24 12:20	04/09/24 22:26	218-01-9	
Dibenz(a,h)anthracene	<0.14	ug/L	0.39	0.14	8	04/08/24 12:20	04/09/24 22:26	53-70-3	
Fluoranthene	4.7	ug/L	0.39	0.20	8	04/08/24 12:20	04/09/24 22:26	206-44-0	
Fluorene	8.6	ug/L	0.39	0.18	8	04/08/24 12:20	04/09/24 22:26	86-73-7	
Indeno(1,2,3-cd)pyrene	0.26J	ug/L	0.39	0.12	8	04/08/24 12:20	04/09/24 22:26	193-39-5	
Naphthalene	87.9	ug/L	0.39	0.16	8	04/08/24 12:20	04/09/24 22:26	91-20-3	
Phenanthrene	19.4	ug/L	0.39	0.20	8	04/08/24 12:20	04/09/24 22:26	85-01-8	
Pyrene	5.8	ug/L	0.39	0.18	8	04/08/24 12:20	04/09/24 22:26	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	30	%	38-120		8	04/08/24 12:20	04/09/24 22:26	321-60-8	2q,S0
Terphenyl-d14 (S)	29	%	47-121		8	04/08/24 12:20	04/09/24 22:26	1718-51-0	2q,S0
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	193	ug/L	1.0	0.30	1		04/10/24 21:38	71-43-2	
Ethylbenzene	24.8	ug/L	1.0	0.33	1		04/10/24 21:38	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 21:38	100-42-5	
Toluene	9.7	ug/L	1.0	0.29	1		04/10/24 21:38	108-88-3	
Xylene (Total)	104	ug/L	3.0	1.0	1		04/10/24 21:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/10/24 21:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/10/24 21:38	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 21:38	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	645	mg/L	10.0	5.0	1		04/16/24 14:00		
Alkalinity,Bicarbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 14:00		
Alkalinity,Carbonate (CaCO3)	610	mg/L	10.0	5.0	1		04/16/24 14:00		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<2.4	mg/L	8.0	2.4	2		04/08/24 19:59		1q,D3
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	<44.4	mg/L	200	44.4	100		04/17/24 22:22	14808-79-8	D3
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:18		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-29-24Q1** Lab ID: **40276453019** Collected: 04/04/24 12:49 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	94.4	mg/L	5.0	1.9	10		04/09/24 12:43	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-28-24Q1 Lab ID: 40276453020 Collected: 04/04/24 14:45 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.041J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 08:12		
TPH - Diesel (C10-C28)	0.079J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 08:12		B
Surrogates									
o-Terphenyl (S)	100	%	44-134		1	04/09/24 08:02	04/11/24 08:12	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	69.6	ug/L	2.8	0.58	1		04/16/24 12:38	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 13:24		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:00	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:00	7440-38-2	
Barium, Dissolved	42.8	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:00	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:00	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:00	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:00	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:00	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:00	7440-50-8	
Iron, Dissolved	1140	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:00	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:00	7439-92-1	
Manganese, Dissolved	134	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:00	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:00	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:00	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:00	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:00	7440-28-0	
Total Hardness by 2340B, Dissolved	237000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:00		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:00	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:00	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:41	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.044J	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 19:23	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 19:23	208-96-8	
Anthracene	<0.018	ug/L	0.048	0.018	1	04/08/24 12:20	04/09/24 19:23	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 19:23	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-28-24Q1 Lab ID: 40276453020 Collected: 04/04/24 14:45 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 19:23	50-32-8	
Benzo(b)fluoranthene	<0.0088	ug/L	0.048	0.0088	1	04/08/24 12:20	04/09/24 19:23	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.048	0.023	1	04/08/24 12:20	04/09/24 19:23	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 19:23	207-08-9	
Chrysene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 19:23	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	04/08/24 12:20	04/09/24 19:23	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 19:23	206-44-0	
Fluorene	<0.023	ug/L	0.048	0.023	1	04/08/24 12:20	04/09/24 19:23	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	04/08/24 12:20	04/09/24 19:23	193-39-5	
Naphthalene	0.076	ug/L	0.048	0.019	1	04/08/24 12:20	04/09/24 19:23	91-20-3	
Phenanthrene	<0.025	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 19:23	85-01-8	
Pyrene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 19:23	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	38-120		1	04/08/24 12:20	04/09/24 19:23	321-60-8	
Terphenyl-d14 (S)	56	%	47-121		1	04/08/24 12:20	04/09/24 19:23	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 21:06	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 21:06	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 21:06	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 21:06	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 21:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 21:06	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 21:06	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 21:06	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	207	mg/L	10.0	5.0	1		04/16/24 14:25		
Alkalinity,Bicarbonate (CaCO3)	207	mg/L	10.0	5.0	1		04/16/24 14:25		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 14:25		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 20:00		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	79.6	mg/L	10.0	2.2	5		04/17/24 19:59	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.34	mg/L	0.25	0.059	1		04/10/24 08:19		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-28-24Q1** Lab ID: **40276453020** Collected: 04/04/24 14:45 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	2.6	mg/L	0.50	0.19	1		04/09/24 13:01	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-TB-2** Lab ID: **40276453021** Collected: 04/05/24 12:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 11:15		
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 14:31	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 14:31	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 14:31	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 14:31	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 14:31	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/10/24 14:31	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/10/24 14:31	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/10/24 14:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-2 Lab ID: 40276453022 Collected: 04/04/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.035J	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 08:20		
TPH - Diesel (C10-C28)	0.068J	mg/L	0.090	0.027	1	04/09/24 08:02	04/11/24 08:20		B
Surrogates									
o-Terphenyl (S)	100	%	44-134		1	04/09/24 08:02	04/11/24 08:20	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	70.8	ug/L	2.8	0.58	1		04/16/24 12:45	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 14:15		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:02	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:02	7440-38-2	
Barium, Dissolved	42.9	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:02	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:02	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:02	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:02	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:02	7440-48-4	
Copper, Dissolved	3.4J	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:02	7440-50-8	
Iron, Dissolved	1100	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:02	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:02	7439-92-1	
Manganese, Dissolved	132	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:02	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:02	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:02	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:02	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:02	7440-28-0	
Total Hardness by 2340B, Dissolved	237000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:02		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:02	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:02	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:42	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.031J	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 19:41	83-32-9	
Acenaphthylene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 19:41	208-96-8	
Anthracene	<0.018	ug/L	0.048	0.018	1	04/08/24 12:20	04/09/24 19:41	120-12-7	
Benzo(a)anthracene	<0.013	ug/L	0.048	0.013	1	04/08/24 12:20	04/09/24 19:41	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-2 Lab ID: 40276453022 Collected: 04/04/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 19:41	50-32-8	
Benzo(b)fluoranthene	<0.0087	ug/L	0.048	0.0087	1	04/08/24 12:20	04/09/24 19:41	205-99-2	
Benzo(g,h,i)perylene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 19:41	191-24-2	
Benzo(k)fluoranthene	<0.021	ug/L	0.048	0.021	1	04/08/24 12:20	04/09/24 19:41	207-08-9	
Chrysene	<0.012	ug/L	0.048	0.012	1	04/08/24 12:20	04/09/24 19:41	218-01-9	
Dibenz(a,h)anthracene	<0.017	ug/L	0.048	0.017	1	04/08/24 12:20	04/09/24 19:41	53-70-3	
Fluoranthene	<0.025	ug/L	0.048	0.025	1	04/08/24 12:20	04/09/24 19:41	206-44-0	
Fluorene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 19:41	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.048	0.015	1	04/08/24 12:20	04/09/24 19:41	193-39-5	
Naphthalene	0.024J	ug/L	0.048	0.019	1	04/08/24 12:20	04/09/24 19:41	91-20-3	
Phenanthrene	<0.024	ug/L	0.048	0.024	1	04/08/24 12:20	04/09/24 19:41	85-01-8	
Pyrene	<0.022	ug/L	0.048	0.022	1	04/08/24 12:20	04/09/24 19:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	41	%	38-120		1	04/08/24 12:20	04/09/24 19:41	321-60-8	
Terphenyl-d14 (S)	49	%	47-121		1	04/08/24 12:20	04/09/24 19:41	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 18:25	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 18:25	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 18:25	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 18:25	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 18:25	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 18:25	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/10/24 18:25	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 18:25	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	194	mg/L	10.0	5.0	1		04/16/24 14:32		
Alkalinity,Bicarbonate (CaCO3)	194	mg/L	10.0	5.0	1		04/16/24 14:32		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 14:32		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 20:02		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	91.8	mg/L	10.0	2.2	5		04/17/24 20:13	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.33	mg/L	0.25	0.059	1		04/10/24 08:20		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-2 Lab ID: 40276453022 Collected: 04/04/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	2.5	mg/L	0.50	0.19	1		04/09/24 14:30	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-20R-24Q1 Lab ID: 40276453023 Collected: 04/03/24 16:06 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.19	mg/L	0.093	0.028	1	04/10/24 07:35	04/16/24 08:02		
TPH - Diesel (C10-C28)	0.87	mg/L	0.093	0.028	1	04/10/24 07:35	04/16/24 08:02		M0
Surrogates									
o-Terphenyl (S)	98	%	44-134		1	04/10/24 07:35	04/16/24 08:02	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	673	ug/L	28.0	5.8	10		04/17/24 13:26	74-82-8	M1
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	181	ug/L	50.0	30.5	1		04/10/24 14:41		GO
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:49	04/11/24 16:43	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:49	04/11/24 16:43	7440-38-2	
Barium, Dissolved	135	ug/L	5.0	1.5	1	04/09/24 05:49	04/11/24 16:43	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:49	04/11/24 16:43	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:49	04/11/24 16:43	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:49	04/11/24 16:43	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:49	04/11/24 16:43	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:49	04/11/24 16:43	7440-50-8	
Iron, Dissolved	12000	ug/L	100	56.7	1	04/09/24 05:49	04/11/24 16:43	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:49	04/11/24 16:43	7439-92-1	
Manganese, Dissolved	4590	ug/L	50.0	15.4	10	04/09/24 05:49	04/11/24 16:35	7439-96-5	P6
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:43	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:49	04/11/24 16:43	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:49	04/11/24 16:43	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:49	04/11/24 16:43	7440-28-0	
Total Hardness by 2340B, Dissolved	463000	ug/L	54000	10000	10	04/09/24 05:49	04/11/24 16:35		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:49	04/11/24 16:43	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:49	04/11/24 16:43	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 09:23	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	4.3	ug/L	0.10	0.029	2	04/09/24 08:49	04/09/24 20:36	83-32-9	
Acenaphthylene	0.78	ug/L	0.10	0.026	2	04/09/24 08:49	04/09/24 20:36	208-96-8	
Anthracene	0.18	ug/L	0.10	0.038	2	04/09/24 08:49	04/09/24 20:36	120-12-7	
Benzo(a)anthracene	0.038J	ug/L	0.10	0.028	2	04/09/24 08:49	04/09/24 20:36	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-20R-24Q1 **Lab ID:** 40276453023 Collected: 04/03/24 16:06 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.026	ug/L	0.10	0.026	2	04/09/24 08:49	04/09/24 20:36	50-32-8	
Benzo(b)fluoranthene	0.019J	ug/L	0.10	0.019	2	04/09/24 08:49	04/09/24 20:36	205-99-2	
Benzo(g,h,i)perylene	<0.048	ug/L	0.10	0.048	2	04/09/24 08:49	04/09/24 20:36	191-24-2	
Benzo(k)fluoranthene	<0.046	ug/L	0.10	0.046	2	04/09/24 08:49	04/09/24 20:36	207-08-9	
Chrysene	0.028J	ug/L	0.10	0.026	2	04/09/24 08:49	04/09/24 20:36	218-01-9	
Dibenz(a,h)anthracene	<0.037	ug/L	0.10	0.037	2	04/09/24 08:49	04/09/24 20:36	53-70-3	
Fluoranthene	0.36	ug/L	0.10	0.054	2	04/09/24 08:49	04/09/24 20:36	206-44-0	
Fluorene	0.75	ug/L	0.10	0.048	2	04/09/24 08:49	04/09/24 20:36	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.032	ug/L	0.10	0.032	2	04/09/24 08:49	04/09/24 20:36	193-39-5	
Naphthalene	20.5	ug/L	0.10	0.041	2	04/09/24 08:49	04/09/24 20:36	91-20-3	M1
Phenanthrene	0.52	ug/L	0.10	0.053	2	04/09/24 08:49	04/09/24 20:36	85-01-8	
Pyrene	0.32	ug/L	0.10	0.046	2	04/09/24 08:49	04/09/24 20:36	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	59	%	38-120		2	04/09/24 08:49	04/09/24 20:36	321-60-8	
Terphenyl-d14 (S)	54	%	47-121		2	04/09/24 08:49	04/09/24 20:36	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	66.8	ug/L	1.0	0.30	1		04/12/24 12:12	71-43-2	
Ethylbenzene	7.5	ug/L	1.0	0.33	1		04/12/24 12:12	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/12/24 12:12	100-42-5	
Toluene	2.8	ug/L	1.0	0.29	1		04/12/24 12:12	108-88-3	
Xylene (Total)	9.7	ug/L	3.0	1.0	1		04/12/24 12:12	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/12/24 12:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/12/24 12:12	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/12/24 12:12	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	402	mg/L	10.0	5.0	1		04/16/24 14:51		M0
Alkalinity,Bicarbonate (CaCO3)	402	mg/L	10.0	5.0	1		04/16/24 14:51		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 14:51		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:30		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	141	mg/L	10.0	2.2	5		04/17/24 21:11	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:46		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-20R-24Q1** Lab ID: **40276453023** Collected: 04/03/24 16:06 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	27.0	mg/L	7.5	2.8	15		04/09/24 13:16	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-6R-24Q1 Lab ID: 40276453024 Collected: 04/02/24 19:59 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel	Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
TPH (C28-C36)	<1.4	mg/L	4.5	1.4	50	04/09/24 08:02	04/11/24 09:41		
TPH - Diesel (C10-C28)	28.3	mg/L	4.5	1.4	50	04/09/24 08:02	04/11/24 09:41		
Surrogates									
o-Terphenyl (S)	0	%	44-134		50	04/09/24 08:02	04/11/24 09:41	84-15-1	S4
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay								
Methane	6230	ug/L	112	23.0	40		04/16/24 15:30	74-82-8	
WIGRO GCV	Analytical Method: WI MOD GRO Pace Analytical Services - Green Bay								
Gasoline Range Organics	1220	ug/L	100	60.9	2		04/10/24 17:42		G+
6010D MET ICP, Dissolved	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:04	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:04	7440-38-2	
Barium, Dissolved	107	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:04	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:04	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:04	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:04	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:04	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:04	7440-50-8	
Iron, Dissolved	60.7J	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:04	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:04	7439-92-1	
Manganese, Dissolved	291	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:04	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:04	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:04	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:04	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:04	7440-28-0	
Total Hardness by 2340B, Dissolved	580000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:04		
Vanadium, Dissolved	4.6J	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:04	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:04	7440-66-6	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay								
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 12:05	7439-97-6	
8270E MSSV PAH	Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay								
Acenaphthene	60.3	ug/L	14.9	4.1	300	04/08/24 12:20	04/09/24 20:54	83-32-9	
Acenaphthylene	20.3	ug/L	14.9	3.8	300	04/08/24 12:20	04/09/24 20:54	208-96-8	
Anthracene	<5.5	ug/L	14.9	5.5	300	04/08/24 12:20	04/09/24 20:54	120-12-7	
Benzo(a)anthracene	<4.1	ug/L	14.9	4.1	300	04/08/24 12:20	04/09/24 20:54	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-6R-24Q1 Lab ID: 40276453024 Collected: 04/02/24 19:59 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<3.8	ug/L	14.9	3.8	300	04/08/24 12:20	04/09/24 20:54	50-32-8	
Benzo(b)fluoranthene	<2.7	ug/L	14.9	2.7	300	04/08/24 12:20	04/09/24 20:54	205-99-2	
Benzo(g,h,i)perylene	<6.9	ug/L	14.9	6.9	300	04/08/24 12:20	04/09/24 20:54	191-24-2	
Benzo(k)fluoranthene	<6.7	ug/L	14.9	6.7	300	04/08/24 12:20	04/09/24 20:54	207-08-9	
Chrysene	<3.8	ug/L	14.9	3.8	300	04/08/24 12:20	04/09/24 20:54	218-01-9	
Dibenz(a,h)anthracene	<5.3	ug/L	14.9	5.3	300	04/08/24 12:20	04/09/24 20:54	53-70-3	
Fluoranthene	<7.8	ug/L	14.9	7.8	300	04/08/24 12:20	04/09/24 20:54	206-44-0	
Fluorene	20.2	ug/L	14.9	7.0	300	04/08/24 12:20	04/09/24 20:54	86-73-7	
Indeno(1,2,3-cd)pyrene	<4.6	ug/L	14.9	4.6	300	04/08/24 12:20	04/09/24 20:54	193-39-5	
Naphthalene	2050	ug/L	14.9	5.9	300	04/08/24 12:20	04/09/24 20:54	91-20-3	
Phenanthrene	33.2	ug/L	14.9	7.6	300	04/08/24 12:20	04/09/24 20:54	85-01-8	
Pyrene	<6.7	ug/L	14.9	6.7	300	04/08/24 12:20	04/09/24 20:54	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	47	%	38-120		300	04/08/24 12:20	04/09/24 20:54	321-60-8	
Terphenyl-d14 (S)	53	%	47-121		300	04/08/24 12:20	04/09/24 20:54	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	10800	ug/L	100	29.5	100		04/12/24 16:39	71-43-2	
Ethylbenzene	3760	ug/L	100	32.5	100		04/12/24 16:39	100-41-4	
Styrene	542	ug/L	100	35.6	100		04/12/24 16:39	100-42-5	
Toluene	18100	ug/L	100	28.8	100		04/12/24 16:39	108-88-3	
Xylene (Total)	11000	ug/L	300	105	100		04/12/24 16:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		100		04/12/24 16:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		100		04/12/24 16:39	2199-69-1	
Toluene-d8 (S)	100	%	70-130		100		04/12/24 16:39	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	467	mg/L	10.0	5.0	1		04/16/24 15:35		
Alkalinity,Bicarbonate (CaCO3)	467	mg/L	10.0	5.0	1		04/16/24 15:35		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 15:35		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	10.4J	mg/L	15.9	4.8	4		04/08/24 12:41		1q,D3
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	158	mg/L	20.0	4.4	10		04/16/24 13:38	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:25		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-6R-24Q1** Lab ID: **40276453024** Collected: 04/02/24 19:59 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	10.6	mg/L	3.0	1.1	6		04/09/24 14:46	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-7R-24Q1 Lab ID: 40276453025 Collected: 04/03/24 18:46 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.039J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 08:36		
TPH - Diesel (C10-C28)	0.12	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 08:36		B
Surrogates									
o-Terphenyl (S)	91	%	44-134		1	04/09/24 08:02	04/11/24 08:36	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		04/16/24 13:52	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	37.0J	ug/L	50.0	30.5	1		04/10/24 15:07		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:05	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:05	7440-38-2	
Barium, Dissolved	184	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:05	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:05	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:05	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:05	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:05	7440-48-4	
Copper, Dissolved	3.9J	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:05	7440-50-8	
Iron, Dissolved	621	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:05	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:05	7439-92-1	
Manganese, Dissolved	3170	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:05	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:05	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:05	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:05	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:05	7440-28-0	
Total Hardness by 2340B, Dissolved	620000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:05		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:05	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:05	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:45	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.53	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 19:59	83-32-9	
Acenaphthylene	0.035J	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 19:59	208-96-8	
Anthracene	0.12	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 19:59	120-12-7	
Benzo(a)anthracene	0.017J	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 19:59	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-7R-24Q1 Lab ID: 40276453025 Collected: 04/03/24 18:46 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 19:59	50-32-8	
Benzo(b)fluoranthene	0.010J	ug/L	0.050	0.0090	1	04/08/24 12:20	04/09/24 19:59	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 19:59	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.050	0.022	1	04/08/24 12:20	04/09/24 19:59	207-08-9	
Chrysene	0.013J	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 19:59	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 19:59	53-70-3	
Fluoranthene	0.13	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 19:59	206-44-0	
Fluorene	0.064	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 19:59	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.050	0.015	1	04/08/24 12:20	04/09/24 19:59	193-39-5	
Naphthalene	0.95	ug/L	0.050	0.020	1	04/08/24 12:20	04/09/24 19:59	91-20-3	
Phenanthrene	0.21	ug/L	0.050	0.025	1	04/08/24 12:20	04/09/24 19:59	85-01-8	
Pyrene	0.14	ug/L	0.050	0.022	1	04/08/24 12:20	04/09/24 19:59	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	38-120		1	04/08/24 12:20	04/09/24 19:59	321-60-8	
Terphenyl-d14 (S)	62	%	47-121		1	04/08/24 12:20	04/09/24 19:59	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	27.2	ug/L	1.0	0.30	1		04/10/24 18:44	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 18:44	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 18:44	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 18:44	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 18:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/10/24 18:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		04/10/24 18:44	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/10/24 18:44	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	266	mg/L	10.0	5.0	1		04/16/24 16:02		
Alkalinity,Bicarbonate (CaCO3)	266	mg/L	10.0	5.0	1		04/16/24 16:02		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 16:02		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 16:36		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	282	mg/L	20.0	4.4	10		04/18/24 16:20	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:26		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-7R-24Q1 Lab ID: 40276453025 Collected: 04/03/24 18:46 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	18.4	mg/L	3.0	1.1	6		04/09/24 15:22	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-8R-24Q1 Lab ID: 40276453026 Collected: 04/04/24 07:41 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.92J	mg/L	2.3	0.68	25	04/10/24 07:35	04/16/24 08:18		
TPH - Diesel (C10-C28)	17.8	mg/L	2.3	0.68	25	04/10/24 07:35	04/16/24 08:18		
Surrogates									
o-Terphenyl (S)	0	%	44-134		25	04/10/24 07:35	04/16/24 08:18	84-15-1	S4
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	3160	ug/L	112	23.0	40		04/17/24 13:33	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	3880	ug/L	200	122	4		04/10/24 18:07		G+
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:07	7440-36-0	
Arsenic, Dissolved	13.2J	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:07	7440-38-2	
Barium, Dissolved	396	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:07	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:07	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:07	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:07	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:07	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:07	7440-50-8	
Iron, Dissolved	131	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:07	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:07	7439-92-1	
Manganese, Dissolved	<1.5	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:07	7439-96-5	
Nickel, Dissolved	18.0	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:07	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:07	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:07	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:07	7440-28-0	
Total Hardness by 2340B, Dissolved	533000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:07		
Vanadium, Dissolved	129	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:07	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:07	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	0.31	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:47	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	87.8	ug/L	4.9	1.4	100	04/09/24 08:49	04/10/24 00:15	83-32-9	
Acenaphthylene	6.9	ug/L	4.9	1.2	100	04/09/24 08:49	04/10/24 00:15	208-96-8	
Anthracene	5.3	ug/L	4.9	1.8	100	04/09/24 08:49	04/10/24 00:15	120-12-7	
Benzo(a)anthracene	<1.3	ug/L	4.9	1.3	100	04/09/24 08:49	04/10/24 00:15	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-8R-24Q1 Lab ID: 40276453026 Collected: 04/04/24 07:41 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<1.3	ug/L	4.9	1.3	100	04/09/24 08:49	04/10/24 00:15	50-32-8	
Benzo(b)fluoranthene	<0.90	ug/L	4.9	0.90	100	04/09/24 08:49	04/10/24 00:15	205-99-2	
Benzo(g,h,i)perylene	<2.3	ug/L	4.9	2.3	100	04/09/24 08:49	04/10/24 00:15	191-24-2	
Benzo(k)fluoranthene	<2.2	ug/L	4.9	2.2	100	04/09/24 08:49	04/10/24 00:15	207-08-9	
Chrysene	<1.2	ug/L	4.9	1.2	100	04/09/24 08:49	04/10/24 00:15	218-01-9	
Dibenz(a,h)anthracene	<1.8	ug/L	4.9	1.8	100	04/09/24 08:49	04/10/24 00:15	53-70-3	
Fluoranthene	2.8J	ug/L	4.9	2.6	100	04/09/24 08:49	04/10/24 00:15	206-44-0	
Fluorene	22.1	ug/L	4.9	2.3	100	04/09/24 08:49	04/10/24 00:15	86-73-7	
Indeno(1,2,3-cd)pyrene	<1.5	ug/L	4.9	1.5	100	04/09/24 08:49	04/10/24 00:15	193-39-5	
Naphthalene	870	ug/L	4.9	2.0	100	04/09/24 08:49	04/10/24 00:15	91-20-3	
Phenanthrene	30.6	ug/L	4.9	2.5	100	04/09/24 08:49	04/10/24 00:15	85-01-8	
Pyrene	2.8J	ug/L	4.9	2.2	100	04/09/24 08:49	04/10/24 00:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	50	%	38-120		100	04/09/24 08:49	04/10/24 00:15	321-60-8	
Terphenyl-d14 (S)	43	%	47-121		100	04/09/24 08:49	04/10/24 00:15	1718-51-0	S4
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	112000	ug/L	1000	295	1000		04/15/24 09:01	71-43-2	
Ethylbenzene	896	ug/L	200	65.0	200		04/12/24 16:24	100-41-4	
Styrene	1670	ug/L	200	71.3	200		04/12/24 16:24	100-42-5	
Toluene	48400	ug/L	200	57.6	200		04/12/24 16:24	108-88-3	
Xylene (Total)	7100	ug/L	600	210	200		04/12/24 16:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		200		04/12/24 16:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		200		04/12/24 16:24	2199-69-1	
Toluene-d8 (S)	101	%	70-130		200		04/12/24 16:24	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	580	mg/L	10.0	5.0	1		04/16/24 16:11		
Alkalinity,Bicarbonate (CaCO3)	20.2	mg/L	10.0	5.0	1		04/16/24 16:11		
Alkalinity,Carbonate (CaCO3)	560	mg/L	10.0	5.0	1		04/16/24 16:11		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	4.8	mg/L	4.0	1.2	1		04/08/24 20:03		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	50.5	mg/L	40.0	8.9	20		04/18/24 16:34	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:27		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-8R-24Q1** Lab ID: **40276453026** Collected: 04/04/24 07:41 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	98.4	mg/L	10.0	3.8	20		04/09/24 15:37	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-27-24Q1 Lab ID: 40276453027 Collected: 04/02/24 17:01 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.072J	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:13		
TPH - Diesel (C10-C28)	0.23	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 06:13		B,M0
Surrogates									
o-Terphenyl (S)	85	%	44-134		1	04/09/24 08:02	04/11/24 06:13	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	151	ug/L	2.8	0.58	1		04/16/24 13:06	74-82-8	M1
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	73.0	ug/L	50.0	30.5	1		04/10/24 15:33		G-
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 17:40	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 17:40	7440-38-2	
Barium, Dissolved	144	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:40	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 17:40	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 17:40	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 17:40	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 17:40	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 17:40	7440-50-8	
Iron, Dissolved	1540	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 17:40	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 17:40	7439-92-1	
Manganese, Dissolved	565	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 17:40	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:40	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 17:40	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 17:40	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 17:40	7440-28-0	
Total Hardness by 2340B, Dissolved	438000	ug/L	54000	10000	10	04/09/24 05:58	04/11/24 17:32		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 17:40	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 17:40	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:28	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.022J	ug/L	0.051	0.014	1	04/08/24 12:20	04/09/24 16:22	83-32-9	
Acenaphthylene	<0.013	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 16:22	208-96-8	
Anthracene	<0.019	ug/L	0.051	0.019	1	04/08/24 12:20	04/09/24 16:22	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.051	0.014	1	04/08/24 12:20	04/09/24 16:22	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-27-24Q1 Lab ID: 40276453027 Collected: 04/02/24 17:01 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 16:22	50-32-8	
Benzo(b)fluoranthene	<0.0093	ug/L	0.051	0.0093	1	04/08/24 12:20	04/09/24 16:22	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.051	0.024	1	04/08/24 12:20	04/09/24 16:22	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.051	0.023	1	04/08/24 12:20	04/09/24 16:22	207-08-9	
Chrysene	<0.013	ug/L	0.051	0.013	1	04/08/24 12:20	04/09/24 16:22	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.051	0.018	1	04/08/24 12:20	04/09/24 16:22	53-70-3	
Fluoranthene	0.029J	ug/L	0.051	0.027	1	04/08/24 12:20	04/09/24 16:22	206-44-0	
Fluorene	<0.024	ug/L	0.051	0.024	1	04/08/24 12:20	04/09/24 16:22	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.051	0.016	1	04/08/24 12:20	04/09/24 16:22	193-39-5	
Naphthalene	0.14	ug/L	0.051	0.020	1	04/08/24 12:20	04/09/24 16:22	91-20-3	
Phenanthrene	<0.026	ug/L	0.051	0.026	1	04/08/24 12:20	04/09/24 16:22	85-01-8	
Pyrene	0.030J	ug/L	0.051	0.023	1	04/08/24 12:20	04/09/24 16:22	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	38-120		1	04/08/24 12:20	04/09/24 16:22	321-60-8	
Terphenyl-d14 (S)	59	%	47-121		1	04/08/24 12:20	04/09/24 16:22	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	40.6	ug/L	1.0	0.30	1		04/10/24 15:30	71-43-2	
Ethylbenzene	0.66J	ug/L	1.0	0.33	1		04/10/24 15:30	100-41-4	
Styrene	0.56J	ug/L	1.0	0.36	1		04/10/24 15:30	100-42-5	
Toluene	6.6	ug/L	1.0	0.29	1		04/10/24 15:30	108-88-3	
Xylene (Total)	5.2	ug/L	3.0	1.0	1		04/10/24 15:30	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/10/24 15:30	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		04/10/24 15:30	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/10/24 15:30	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	49.7	mg/L	10.0	5.0	1		04/16/24 16:39		M0
Alkalinity,Bicarbonate (CaCO3)	49.7	mg/L	10.0	5.0	1		04/16/24 16:39		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 16:39		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 12:44		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	80.7	mg/L	20.0	4.4	10		04/18/24 16:48	14808-79-8	M0
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<0.059	mg/L	0.25	0.059	1		04/10/24 08:48		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: **MGP-MW-27-24Q1** Lab ID: **40276453027** Collected: 04/02/24 17:01 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	6.7	mg/L	3.0	1.1	6		04/09/24 15:53	7440-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-30-24Q1 Lab ID: 40276453028 Collected: 04/05/24 07:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified Pace Analytical Services - Green Bay									
Methane	<0.58	ug/L	2.8	0.58	1		04/17/24 13:19	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 15:59		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:13	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:13	7440-38-2	
Barium, Dissolved	204	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:13	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:13	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:13	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:13	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:13	7440-48-4	
Copper, Dissolved	3.8J	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:13	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:13	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:13	7439-92-1	
Manganese, Dissolved	895	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:13	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:13	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:13	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:13	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:13	7440-28-0	
Total Hardness by 2340B, Dissolved	971000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:13		
Vanadium, Dissolved	2.7J	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:13	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:13	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:49	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	0.12	ug/L	0.050	0.014	1	04/09/24 08:49	04/11/24 01:01	83-32-9	
Acenaphthylene	0.043J	ug/L	0.050	0.012	1	04/09/24 08:49	04/11/24 01:01	208-96-8	
Anthracene	0.048J	ug/L	0.050	0.018	1	04/09/24 08:49	04/11/24 01:01	120-12-7	
Benzo(a)anthracene	0.032J	ug/L	0.050	0.013	1	04/09/24 08:49	04/11/24 01:01	56-55-3	
Benzo(a)pyrene	0.017J	ug/L	0.050	0.013	1	04/09/24 08:49	04/11/24 01:01	50-32-8	
Benzo(b)fluoranthene	0.019J	ug/L	0.050	0.0090	1	04/09/24 08:49	04/11/24 01:01	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.050	0.023	1	04/09/24 08:49	04/11/24 01:01	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.050	0.022	1	04/09/24 08:49	04/11/24 01:01	207-08-9	
Chrysene	0.030J	ug/L	0.050	0.012	1	04/09/24 08:49	04/11/24 01:01	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	04/09/24 08:49	04/11/24 01:01	53-70-3	
Fluoranthene	0.089	ug/L	0.050	0.026	1	04/09/24 08:49	04/11/24 01:01	206-44-0	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-30-24Q1 Lab ID: 40276453028 Collected: 04/05/24 07:38 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Fluorene	0.052	ug/L	0.050	0.023	1	04/09/24 08:49	04/11/24 01:01	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.015	ug/L	0.050	0.015	1	04/09/24 08:49	04/11/24 01:01	193-39-5	
Naphthalene	0.046J	ug/L	0.050	0.020	1	04/09/24 08:49	04/11/24 01:01	91-20-3	
Phenanthrene	0.17	ug/L	0.050	0.025	1	04/09/24 08:49	04/11/24 01:01	85-01-8	
Pyrene	0.12	ug/L	0.050	0.022	1	04/09/24 08:49	04/11/24 01:01	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	38-120		1	04/09/24 08:49	04/11/24 01:01	321-60-8	
Terphenyl-d14 (S)	50	%	47-121		1	04/09/24 08:49	04/11/24 01:01	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/12/24 15:36	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/12/24 15:36	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/12/24 15:36	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/12/24 15:36	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/12/24 15:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/12/24 15:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		04/12/24 15:36	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/12/24 15:36	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	465	mg/L	10.0	5.0	1		04/16/24 16:59		
Alkalinity,Bicarbonate (CaCO3)	465	mg/L	10.0	5.0	1		04/16/24 16:59		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 16:59		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/10/24 11:25		1q,P4
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	437	mg/L	40.0	8.9	20		04/18/24 13:43	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.16J	mg/L	0.25	0.059	1		04/10/24 08:30		

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-31-24Q1 Lab ID: 40276453029 Collected: 04/02/24 18:44 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.091	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 08:44		
TPH - Diesel (C10-C28)	0.11	mg/L	0.091	0.027	1	04/09/24 08:02	04/11/24 08:44		B
Surrogates									
o-Terphenyl (S)	86	%	44-134		1	04/09/24 08:02	04/11/24 08:44	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	17.8	ug/L	2.8	0.58	1		04/16/24 13:13	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 16:24		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:15	7440-36-0	
Arsenic, Dissolved	<8.3	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:15	7440-38-2	
Barium, Dissolved	143	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:15	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:15	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:15	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:15	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:15	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:15	7440-50-8	
Iron, Dissolved	<56.7	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:15	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:15	7439-92-1	
Manganese, Dissolved	145	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:15	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:15	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:15	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:15	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:15	7440-28-0	
Total Hardness by 2340B, Dissolved	646000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:15		
Vanadium, Dissolved	2.8J	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:15	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:15	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:52	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.014	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 20:17	83-32-9	
Acenaphthylene	<0.013	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 20:17	208-96-8	
Anthracene	<0.019	ug/L	0.050	0.019	1	04/08/24 12:20	04/09/24 20:17	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.050	0.014	1	04/08/24 12:20	04/09/24 20:17	56-55-3	

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-31-24Q1 Lab ID: 40276453029 Collected: 04/02/24 18:44 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 20:17	50-32-8	
Benzo(b)fluoranthene	<0.0091	ug/L	0.050	0.0091	1	04/08/24 12:20	04/09/24 20:17	205-99-2	
Benzo(g,h,i)perylene	<0.023	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 20:17	191-24-2	
Benzo(k)fluoranthene	<0.022	ug/L	0.050	0.022	1	04/08/24 12:20	04/09/24 20:17	207-08-9	
Chrysene	<0.013	ug/L	0.050	0.013	1	04/08/24 12:20	04/09/24 20:17	218-01-9	
Dibenz(a,h)anthracene	<0.018	ug/L	0.050	0.018	1	04/08/24 12:20	04/09/24 20:17	53-70-3	
Fluoranthene	<0.026	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 20:17	206-44-0	
Fluorene	<0.024	ug/L	0.050	0.024	1	04/08/24 12:20	04/09/24 20:17	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.050	0.016	1	04/08/24 12:20	04/09/24 20:17	193-39-5	
Naphthalene	0.070	ug/L	0.050	0.020	1	04/08/24 12:20	04/09/24 20:17	91-20-3	
Phenanthrene	<0.026	ug/L	0.050	0.026	1	04/08/24 12:20	04/09/24 20:17	85-01-8	
Pyrene	<0.023	ug/L	0.050	0.023	1	04/08/24 12:20	04/09/24 20:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	38-120		1	04/08/24 12:20	04/09/24 20:17	321-60-8	
Terphenyl-d14 (S)	59	%	47-121		1	04/08/24 12:20	04/09/24 20:17	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/12/24 15:52	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/12/24 15:52	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/12/24 15:52	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/12/24 15:52	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/12/24 15:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/12/24 15:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/12/24 15:52	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/12/24 15:52	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	392	mg/L	10.0	5.0	1		04/16/24 17:09		
Alkalinity,Bicarbonate (CaCO3)	392	mg/L	10.0	5.0	1		04/16/24 17:09		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 17:09		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 12:50		1q
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	134	mg/L	20.0	4.4	10		04/18/24 17:31	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.71	mg/L	0.25	0.059	1		04/10/24 08:33		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-31-24Q1 Lab ID: 40276453029 Collected: 04/02/24 18:44 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	2.9	mg/L	0.50	0.19	1		04/09/24 16:44	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-3 Lab ID: 40276453030 Collected: 04/05/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8015C GCS THC-Diesel									
Analytical Method: EPA 8015C Modified Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
TPH (C28-C36)	0.061J	mg/L	0.092	0.028	1	04/10/24 07:35	04/16/24 07:20		
TPH - Diesel (C10-C28)	0.12	mg/L	0.092	0.028	1	04/10/24 07:35	04/16/24 07:20		B
Surrogates									
o-Terphenyl (S)	85	%	44-134		1	04/10/24 07:35	04/16/24 07:20	84-15-1	
Methane, Ethane, Ethene GCV									
Analytical Method: EPA 8015B Modified									
Pace Analytical Services - Green Bay									
Methane	6680	ug/L	140	28.8	50		04/17/24 13:40	74-82-8	
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Gasoline Range Organics	<30.5	ug/L	50.0	30.5	1		04/10/24 16:50		
6010D MET ICP, Dissolved									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Antimony, Dissolved	<7.6	ug/L	20.0	7.6	1	04/09/24 05:58	04/11/24 18:17	7440-36-0	
Arsenic, Dissolved	13.6J	ug/L	25.0	8.3	1	04/09/24 05:58	04/11/24 18:17	7440-38-2	
Barium, Dissolved	117	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:17	7440-39-3	
Beryllium, Dissolved	<0.53	ug/L	4.0	0.53	1	04/09/24 05:58	04/11/24 18:17	7440-41-7	
Cadmium, Dissolved	<1.3	ug/L	5.0	1.3	1	04/09/24 05:58	04/11/24 18:17	7440-43-9	
Chromium, Dissolved	<2.5	ug/L	10.0	2.5	1	04/09/24 05:58	04/11/24 18:17	7440-47-3	
Cobalt, Dissolved	<1.4	ug/L	5.0	1.4	1	04/09/24 05:58	04/11/24 18:17	7440-48-4	
Copper, Dissolved	<3.4	ug/L	10.0	3.4	1	04/09/24 05:58	04/11/24 18:17	7440-50-8	
Iron, Dissolved	36800	ug/L	100	56.7	1	04/09/24 05:58	04/11/24 18:17	7439-89-6	
Lead, Dissolved	<5.9	ug/L	20.0	5.9	1	04/09/24 05:58	04/11/24 18:17	7439-92-1	
Manganese, Dissolved	2230	ug/L	5.0	1.5	1	04/09/24 05:58	04/11/24 18:17	7439-96-5	
Nickel, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:17	7440-02-0	
Selenium, Dissolved	<12.2	ug/L	40.0	12.2	1	04/09/24 05:58	04/11/24 18:17	7782-49-2	
Silver, Dissolved	<3.2	ug/L	10.0	3.2	1	04/09/24 05:58	04/11/24 18:17	7440-22-4	
Thallium, Dissolved	<10.0	ug/L	40.0	10.0	1	04/09/24 05:58	04/11/24 18:17	7440-28-0	
Total Hardness by 2340B, Dissolved	406000	ug/L	5400	1000	1	04/09/24 05:58	04/11/24 18:17		
Vanadium, Dissolved	<2.6	ug/L	10.0	2.6	1	04/09/24 05:58	04/11/24 18:17	7440-62-2	
Zinc, Dissolved	<11.6	ug/L	40.0	11.6	1	04/09/24 05:58	04/11/24 18:17	7440-66-6	
7470 Mercury, Dissolved									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury, Dissolved	<0.066	ug/L	0.20	0.066	1	04/19/24 16:08	04/22/24 10:54	7439-97-6	
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	0.028J	ug/L	0.052	0.015	1	04/09/24 08:49	04/11/24 01:19	83-32-9	
Acenaphthylene	<0.013	ug/L	0.052	0.013	1	04/09/24 08:49	04/11/24 01:19	208-96-8	
Anthracene	<0.019	ug/L	0.052	0.019	1	04/09/24 08:49	04/11/24 01:19	120-12-7	
Benzo(a)anthracene	<0.014	ug/L	0.052	0.014	1	04/09/24 08:49	04/11/24 01:19	56-55-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-3 Lab ID: 40276453030 Collected: 04/05/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270E MSSV PAH									
Analytical Method: EPA 8270E by SIM Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Benzo(a)pyrene	<0.013	ug/L	0.052	0.013	1	04/09/24 08:49	04/11/24 01:19	50-32-8	
Benzo(b)fluoranthene	<0.0095	ug/L	0.052	0.0095	1	04/09/24 08:49	04/11/24 01:19	205-99-2	
Benzo(g,h,i)perylene	<0.024	ug/L	0.052	0.024	1	04/09/24 08:49	04/11/24 01:19	191-24-2	
Benzo(k)fluoranthene	<0.023	ug/L	0.052	0.023	1	04/09/24 08:49	04/11/24 01:19	207-08-9	
Chrysene	<0.013	ug/L	0.052	0.013	1	04/09/24 08:49	04/11/24 01:19	218-01-9	
Dibenz(a,h)anthracene	<0.019	ug/L	0.052	0.019	1	04/09/24 08:49	04/11/24 01:19	53-70-3	
Fluoranthene	<0.027	ug/L	0.052	0.027	1	04/09/24 08:49	04/11/24 01:19	206-44-0	
Fluorene	<0.025	ug/L	0.052	0.025	1	04/09/24 08:49	04/11/24 01:19	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.052	0.016	1	04/09/24 08:49	04/11/24 01:19	193-39-5	
Naphthalene	<0.021	ug/L	0.052	0.021	1	04/09/24 08:49	04/11/24 01:19	91-20-3	
Phenanthrene	0.050J	ug/L	0.052	0.027	1	04/09/24 08:49	04/11/24 01:19	85-01-8	
Pyrene	<0.024	ug/L	0.052	0.024	1	04/09/24 08:49	04/11/24 01:19	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	38-120		1	04/09/24 08:49	04/11/24 01:19	321-60-8	
Terphenyl-d14 (S)	52	%	47-121		1	04/09/24 08:49	04/11/24 01:19	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.30	ug/L	1.0	0.30	1		04/10/24 16:48	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/10/24 16:48	100-41-4	
Styrene	<0.36	ug/L	1.0	0.36	1		04/10/24 16:48	100-42-5	
Toluene	<0.29	ug/L	1.0	0.29	1		04/10/24 16:48	108-88-3	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/10/24 16:48	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/10/24 16:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		04/10/24 16:48	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/10/24 16:48	2037-26-5	
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	377	mg/L	10.0	5.0	1		04/16/24 17:18		
Alkalinity,Bicarbonate (CaCO3)	377	mg/L	10.0	5.0	1		04/16/24 17:18		
Alkalinity,Carbonate (CaCO3)	<5.0	mg/L	10.0	5.0	1		04/16/24 17:18		
4500S2F Sulfide, Iodometric									
Analytical Method: SM 4500-S F (2000)									
Pace Analytical Services - Green Bay									
Sulfide	<1.2	mg/L	4.0	1.2	1		04/08/24 20:04		
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Sulfate	0.46J	mg/L	2.0	0.44	1		04/15/24 22:27	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	0.086J	mg/L	0.25	0.059	1		04/10/24 08:34		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Sample: MGP-MW-FD-3 Lab ID: 40276453030 Collected: 04/05/24 00:00 Received: 04/06/24 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	11.9	mg/L	3.0	1.1	6		04/09/24 17:02	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471513	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 8015B Modified	Analysis Description:	Methane, Ethane, Ethene GCV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004

METHOD BLANK: 2700392 Matrix: Water
 Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.58	2.8	04/15/24 09:59	

LABORATORY CONTROL SAMPLE & LCSD: 2700393 2700394

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	27.0	29.8	95	104	80-120	10	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2701453 2701454

Parameter	Units	40276372064 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	<0.58	28.6	28.6	28.7	31.6	100	111	12-198	10	26	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471746	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 8015B Modified	Analysis Description:	Methane, Ethane, Ethene GCV
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453027, 40276453029		

METHOD BLANK:	2701517	Matrix:	Water
Associated Lab Samples:	40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453027, 40276453029		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.58	2.8	04/16/24 09:00	

Parameter	Units	2701518		2701519		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCSD % Rec				
Methane	ug/L	28.6	29.9	32.1	105	112	80-120	7	20

Parameter	Units	2701520		2701521		% Rec Limits	RPD	Max RPD	Qualifiers			
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Methane	ug/L	151	28.6	28.6	205	214	189	223	12-198	5	26	M1

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471856	Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified	Analysis Description: Methane, Ethane, Ethene GCV
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453023, 40276453026, 40276453028, 40276453030

METHOD BLANK: 2702303 Matrix: Water
 Associated Lab Samples: 40276453023, 40276453026, 40276453028, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methane	ug/L	<0.58	2.8	04/17/24 09:32	

LABORATORY CONTROL SAMPLE & LCSD: 2702304 2702305

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methane	ug/L	28.6	27.1	29.7	95	104	80-120	9	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2702306 2702307

Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methane	ug/L	673	286	286	1900	2010	429	468	12-198	6	26	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471034	Analysis Method:	WI MOD GRO
QC Batch Method:	WI MOD GRO	Analysis Description:	WIGRO GCV Water
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453009, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014

METHOD BLANK: 2697991 Matrix: Water

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453009, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	<30.5	50.0	04/08/24 08:56	

LABORATORY CONTROL SAMPLE & LCSD: 2697992 2697993

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	ug/L	200	192	199	96	100	80-120	4	20	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471294	Analysis Method:	WI MOD GRO
QC Batch Method:	WI MOD GRO	Analysis Description:	WIGRO GCV Water
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453021, 40276453022, 40276453023, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

METHOD BLANK: 2698899 Matrix: Water

Associated Lab Samples: 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453021, 40276453022, 40276453023, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	ug/L	<30.5	50.0	04/10/24 09:57	

Parameter	Units	2698901							Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD		
Gasoline Range Organics	ug/L	200	203	202	102	101	80-120	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	472195	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury Dissolved
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453023		

METHOD BLANK:	2704356	Matrix:	Water
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453023		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.066	0.20	04/22/24 09:14	

LABORATORY CONTROL SAMPLE:	2704357					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.1	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2704390			2704391								
Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.066	5	5	5.2	5.1	103	102	85-115	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	472196	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury Dissolved
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453022, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

METHOD BLANK: 2704360 Matrix: Water

Associated Lab Samples: 40276453022, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.066	0.20	04/22/24 10:23	

LABORATORY CONTROL SAMPLE: 2704361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2704399 2704400

Parameter	Units	40276453027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.066	5	5	5.3	5.2	105	105	85-115	1	20	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471175 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D MET Dissolved
 Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453023

METHOD BLANK: 2698395 Matrix: Water

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony, Dissolved	ug/L	<7.6	20.0	04/11/24 16:32	
Arsenic, Dissolved	ug/L	<8.3	25.0	04/11/24 16:32	
Barium, Dissolved	ug/L	<1.5	5.0	04/11/24 16:32	
Beryllium, Dissolved	ug/L	<0.53	4.0	04/11/24 16:32	
Cadmium, Dissolved	ug/L	<1.3	5.0	04/11/24 16:32	
Chromium, Dissolved	ug/L	<2.5	10.0	04/11/24 16:32	
Cobalt, Dissolved	ug/L	<1.4	5.0	04/11/24 16:32	
Copper, Dissolved	ug/L	<3.4	10.0	04/11/24 16:32	
Iron, Dissolved	ug/L	<56.7	100	04/11/24 16:32	
Lead, Dissolved	ug/L	<5.9	20.0	04/11/24 16:32	
Manganese, Dissolved	ug/L	<1.5	5.0	04/11/24 16:32	
Nickel, Dissolved	ug/L	<2.6	10.0	04/11/24 16:32	
Selenium, Dissolved	ug/L	<12.2	40.0	04/11/24 16:32	
Silver, Dissolved	ug/L	<3.2	10.0	04/11/24 16:32	
Thallium, Dissolved	ug/L	<10.0	40.0	04/11/24 16:32	
Total Hardness by 2340B, Dissolved	ug/L	<1000	5400	04/11/24 16:32	
Vanadium, Dissolved	ug/L	<2.6	10.0	04/11/24 16:32	
Zinc, Dissolved	ug/L	<11.6	40.0	04/11/24 16:32	

LABORATORY CONTROL SAMPLE: 2698396

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony, Dissolved	ug/L	250	256	102	80-120	
Arsenic, Dissolved	ug/L	250	250	100	80-120	
Barium, Dissolved	ug/L	250	263	105	80-120	
Beryllium, Dissolved	ug/L	250	263	105	80-120	
Cadmium, Dissolved	ug/L	250	267	107	80-120	
Chromium, Dissolved	ug/L	250	264	105	80-120	
Cobalt, Dissolved	ug/L	250	269	107	80-120	
Copper, Dissolved	ug/L	250	269	108	80-120	
Iron, Dissolved	ug/L	10000	10700	107	80-120	
Lead, Dissolved	ug/L	250	266	107	80-120	
Manganese, Dissolved	ug/L	250	271	109	80-120	
Nickel, Dissolved	ug/L	250	269	108	80-120	
Selenium, Dissolved	ug/L	250	265	106	80-120	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

LABORATORY CONTROL SAMPLE: 2698396

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver, Dissolved	ug/L	125	132	106	80-120	
Thallium, Dissolved	ug/L	250	262	105	80-120	
Total Hardness by 2340B, Dissolved	ug/L		69100			
Vanadium, Dissolved	ug/L	250	268	107	80-120	
Zinc, Dissolved	ug/L	250	270	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698397 2698398

Parameter	Units	MS 40276453023		MSD 2698397		MS 2698398		MSD 2698398		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Antimony, Dissolved	ug/L	<7.6	250	250	261	259	104	104	75-125	1	20		
Arsenic, Dissolved	ug/L	<8.3	250	250	247	247	98	98	75-125	0	20		
Barium, Dissolved	ug/L	135	250	250	391	386	103	101	75-125	1	20		
Beryllium, Dissolved	ug/L	<0.53	250	250	261	258	104	103	75-125	1	20		
Cadmium, Dissolved	ug/L	<1.3	250	250	262	260	105	104	75-125	1	20		
Chromium, Dissolved	ug/L	<2.5	250	250	259	256	103	102	75-125	1	20		
Cobalt, Dissolved	ug/L	<1.4	250	250	263	259	105	103	75-125	2	20		
Copper, Dissolved	ug/L	<3.4	250	250	271	268	107	106	75-125	1	20		
Iron, Dissolved	ug/L	12000	10000	10000	22300	22000	104	101	75-125	1	20		
Lead, Dissolved	ug/L	<5.9	250	250	265	260	106	104	75-125	2	20		
Manganese, Dissolved	ug/L	4590	250	250	4860	4750	110	63	75-125	2	20	P6	
Nickel, Dissolved	ug/L	<2.6	250	250	265	263	106	105	75-125	1	20		
Selenium, Dissolved	ug/L	<12.2	250	250	264	260	103	102	75-125	2	20		
Silver, Dissolved	ug/L	<3.2	125	125	131	129	104	104	75-125	1	20		
Thallium, Dissolved	ug/L	<10.0	250	250	262	257	105	103	75-125	2	20		
Total Hardness by 2340B, Dissolved	ug/L	463000			535000	520000				3	20		
Vanadium, Dissolved	ug/L	<2.6	250	250	267	264	106	105	75-125	1	20		
Zinc, Dissolved	ug/L	<11.6	250	250	266	263	106	105	75-125	1	20		

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471176	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D MET Dissolved
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

METHOD BLANK: 2698399 Matrix: Water

Associated Lab Samples: 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony, Dissolved	ug/L	<7.6	20.0	04/11/24 17:28	
Arsenic, Dissolved	ug/L	<8.3	25.0	04/11/24 17:28	
Barium, Dissolved	ug/L	<1.5	5.0	04/11/24 17:28	
Beryllium, Dissolved	ug/L	<0.53	4.0	04/11/24 17:28	
Cadmium, Dissolved	ug/L	<1.3	5.0	04/11/24 17:28	
Chromium, Dissolved	ug/L	<2.5	10.0	04/11/24 17:28	
Cobalt, Dissolved	ug/L	<1.4	5.0	04/11/24 17:28	
Copper, Dissolved	ug/L	<3.4	10.0	04/11/24 17:28	
Iron, Dissolved	ug/L	<56.7	100	04/11/24 17:28	
Lead, Dissolved	ug/L	<5.9	20.0	04/11/24 17:28	
Manganese, Dissolved	ug/L	<1.5	5.0	04/11/24 17:28	
Nickel, Dissolved	ug/L	<2.6	10.0	04/11/24 17:28	
Selenium, Dissolved	ug/L	<12.2	40.0	04/11/24 17:28	
Silver, Dissolved	ug/L	<3.2	10.0	04/11/24 17:28	
Thallium, Dissolved	ug/L	<10.0	40.0	04/11/24 17:28	
Total Hardness by 2340B, Dissolved	ug/L	<1000	5400	04/11/24 17:28	
Vanadium, Dissolved	ug/L	<2.6	10.0	04/11/24 17:28	
Zinc, Dissolved	ug/L	<11.6	40.0	04/11/24 17:28	

LABORATORY CONTROL SAMPLE: 2698400

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony, Dissolved	ug/L	250	253	101	80-120	
Arsenic, Dissolved	ug/L	250	247	99	80-120	
Barium, Dissolved	ug/L	250	262	105	80-120	
Beryllium, Dissolved	ug/L	250	263	105	80-120	
Cadmium, Dissolved	ug/L	250	263	105	80-120	
Chromium, Dissolved	ug/L	250	259	104	80-120	
Cobalt, Dissolved	ug/L	250	264	106	80-120	
Copper, Dissolved	ug/L	250	266	107	80-120	
Iron, Dissolved	ug/L	10000	10500	105	80-120	
Lead, Dissolved	ug/L	250	267	107	80-120	
Manganese, Dissolved	ug/L	250	268	107	80-120	
Nickel, Dissolved	ug/L	250	267	107	80-120	
Selenium, Dissolved	ug/L	250	265	106	80-120	
Silver, Dissolved	ug/L	125	131	104	80-120	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

LABORATORY CONTROL SAMPLE: 2698400

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Thallium, Dissolved	ug/L	250	262	105	80-120	
Total Hardness by 2340B, Dissolved	ug/L		68400			
Vanadium, Dissolved	ug/L	250	264	106	80-120	
Zinc, Dissolved	ug/L	250	267	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698401 2698402

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453027 Result	Spike Conc.	Spike Conc.	MS Result								
Antimony, Dissolved	ug/L	<7.6	250	250	255	265	102	106	75-125	4	20		
Arsenic, Dissolved	ug/L	<8.3	250	250	250	253	99	100	75-125	1	20		
Barium, Dissolved	ug/L	144	250	250	395	410	100	106	75-125	4	20		
Beryllium, Dissolved	ug/L	<0.53	250	250	258	266	103	106	75-125	3	20		
Cadmium, Dissolved	ug/L	<1.3	250	250	261	269	104	108	75-125	3	20		
Chromium, Dissolved	ug/L	<2.5	250	250	256	262	102	105	75-125	2	20		
Cobalt, Dissolved	ug/L	<1.4	250	250	260	266	104	106	75-125	3	20		
Copper, Dissolved	ug/L	<3.4	250	250	264	271	106	109	75-125	3	20		
Iron, Dissolved	ug/L	1540	10000	10000	11800	12100	102	106	75-125	3	20		
Lead, Dissolved	ug/L	<5.9	250	250	260	267	104	107	75-125	3	20		
Manganese, Dissolved	ug/L	565	250	250	814	848	100	113	75-125	4	20		
Nickel, Dissolved	ug/L	<2.6	250	250	263	268	105	107	75-125	2	20		
Selenium, Dissolved	ug/L	<12.2	250	250	258	267	103	106	75-125	3	20		
Silver, Dissolved	ug/L	<3.2	125	125	129	133	103	106	75-125	3	20		
Thallium, Dissolved	ug/L	<10.0	250	250	250	259	100	104	75-125	3	20		
Total Hardness by 2340B, Dissolved	ug/L	438000			495000	521000				5	20		
Vanadium, Dissolved	ug/L	<2.6	250	250	265	271	106	108	75-125	2	20		
Zinc, Dissolved	ug/L	<11.6	250	250	261	266	104	106	75-125	2	20		

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471166	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453023, 40276453024, 40276453026, 40276453028, 40276453029

METHOD BLANK: 2698363 Matrix: Water

Associated Lab Samples: 40276453023, 40276453024, 40276453026, 40276453028, 40276453029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.30	1.0	04/12/24 09:03	
Ethylbenzene	ug/L	<0.33	1.0	04/12/24 09:03	
Styrene	ug/L	<0.36	1.0	04/12/24 09:03	
Toluene	ug/L	<0.29	1.0	04/12/24 09:03	
Xylene (Total)	ug/L	<1.0	3.0	04/12/24 09:03	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130	04/12/24 09:03	
4-Bromofluorobenzene (S)	%	93	70-130	04/12/24 09:03	
Toluene-d8 (S)	%	100	70-130	04/12/24 09:03	

LABORATORY CONTROL SAMPLE: 2698364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	49.8	100	70-130	
Ethylbenzene	ug/L	50	51.2	102	80-125	
Styrene	ug/L	50	49.8	100	70-130	
Toluene	ug/L	50	49.6	99	80-120	
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichlorobenzene-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2699545 2699546

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453023 Result	Spike Conc.	Spike Conc.	MS Result						
Benzene	ug/L	66.8	50	50	114	115	95	96	70-130	0	20
Ethylbenzene	ug/L	7.5	50	50	57.2	60.1	99	105	80-126	5	20
Styrene	ug/L	<0.36	50	50	47.9	51.4	96	103	70-133	7	20
Toluene	ug/L	2.8	50	50	50.2	53.2	95	101	80-121	6	20
Xylene (Total)	ug/L	9.7	150	150	154	165	96	104	70-130	7	20
1,2-Dichlorobenzene-d4 (S)	%						100	99	70-130		
4-Bromofluorobenzene (S)	%						95	94	70-130		
Toluene-d8 (S)	%						101	101	70-130		

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471167	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453009, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020

METHOD BLANK: 2698365 Matrix: Water

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453009, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.30	1.0	04/10/24 14:30	
Ethylbenzene	ug/L	<0.33	1.0	04/10/24 14:30	
Styrene	ug/L	<0.36	1.0	04/10/24 14:30	
Toluene	ug/L	<0.29	1.0	04/10/24 14:30	
1,2-Dichlorobenzene-d4 (S)	%	101	70-130	04/10/24 14:30	
4-Bromofluorobenzene (S)	%	97	70-130	04/10/24 14:30	
Toluene-d8 (S)	%	101	70-130	04/10/24 14:30	

LABORATORY CONTROL SAMPLE: 2698366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	50.3	101	70-130	
Ethylbenzene	ug/L	50	48.6	97	80-125	
Styrene	ug/L	50	47.7	95	70-130	
Toluene	ug/L	50	48.5	97	80-120	
1,2-Dichlorobenzene-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2699360 2699361

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453001 Result	Spike Conc.	Spike Conc.	Conc.								
Benzene	ug/L	<0.30	50	50	50	51.4	51.9	103	104	70-130	1	20	
Ethylbenzene	ug/L	<0.33	50	50	50	50.1	50.7	100	101	80-126	1	20	
Styrene	ug/L	<0.36	50	50	50	49.5	50.3	99	101	70-133	2	20	
Toluene	ug/L	<0.29	50	50	50	50.3	51.0	101	102	80-121	1	20	
1,2-Dichlorobenzene-d4 (S)	%							99	100	70-130			
4-Bromofluorobenzene (S)	%							100	101	70-130			
Toluene-d8 (S)	%							102	102	70-130			

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471168	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453021, 40276453022, 40276453025, 40276453027, 40276453030

METHOD BLANK: 2698367 Matrix: Water
 Associated Lab Samples: 40276453021, 40276453022, 40276453025, 40276453027, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.30	1.0	04/10/24 10:38	
Ethylbenzene	ug/L	<0.33	1.0	04/10/24 10:38	
Styrene	ug/L	<0.36	1.0	04/10/24 10:38	
Toluene	ug/L	<0.29	1.0	04/10/24 10:38	
Xylene (Total)	ug/L	<1.0	3.0	04/10/24 10:38	
1,2-Dichlorobenzene-d4 (S)	%	97	70-130	04/10/24 10:38	
4-Bromofluorobenzene (S)	%	99	70-130	04/10/24 10:38	
Toluene-d8 (S)	%	103	70-130	04/10/24 10:38	

LABORATORY CONTROL SAMPLE: 2698368

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	51.5	103	70-130	
Ethylbenzene	ug/L	50	50.5	101	80-125	
Styrene	ug/L	50	52.5	105	70-130	
Toluene	ug/L	50	51.9	104	80-120	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichlorobenzene-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			95	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698371 2698372

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453027	Spike Conc.	Spike Conc.	Result						
Benzene	ug/L	40.6	50	50	91.7	92.6	102	104	70-130	1	20
Ethylbenzene	ug/L	0.66J	50	50	52.5	51.7	104	102	80-126	1	20
Styrene	ug/L	0.56J	50	50	54.9	54.0	109	107	70-133	2	20
Toluene	ug/L	6.6	50	50	58.4	58.1	104	103	80-121	1	20
Xylene (Total)	ug/L	5.2	150	150	162	159	105	103	70-130	2	20
1,2-Dichlorobenzene-d4 (S)	%						98	100	70-130		
4-Bromofluorobenzene (S)	%						97	98	70-130		
Toluene-d8 (S)	%						102	101	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471183	Analysis Method:	EPA 8015C Modified
QC Batch Method:	EPA 3510	Analysis Description:	8015C GCS
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453014, 40276453015, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453027, 40276453029		

METHOD BLANK:	2698436	Matrix:	Water
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453014, 40276453015, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453027, 40276453029		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C28-C36)	mg/L	<0.028	0.095	04/11/24 09:09	
TPH - Diesel (C10-C28)	mg/L	<0.028	0.095	04/11/24 09:09	
o-Terphenyl (S)	%	76	44-134	04/11/24 09:09	

LABORATORY CONTROL SAMPLE: 2698437						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C28-C36)	mg/L		<0.028			
TPH - Diesel (C10-C28)	mg/L	0.5	0.36	73	69-120	
o-Terphenyl (S)	%			90	44-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698438												2698439	
Parameter	Units	40276453027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
													TPH (C28-C36)
TPH - Diesel (C10-C28)	mg/L	0.23	0.48	0.48	0.29	0.39	13	34	69-120	29	20	M0	
o-Terphenyl (S)	%						45	58	44-134				

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471299	Analysis Method:	EPA 8015C Modified
QC Batch Method:	EPA 3510	Analysis Description:	8015C GCS
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453006, 40276453013, 40276453016, 40276453017, 40276453023, 40276453026, 40276453030

METHOD BLANK: 2698918 Matrix: Water
 Associated Lab Samples: 40276453006, 40276453013, 40276453016, 40276453017, 40276453023, 40276453026, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C28-C36)	mg/L	<0.028	0.095	04/16/24 07:54	
TPH - Diesel (C10-C28)	mg/L	0.039J	0.095	04/16/24 07:54	
o-Terphenyl (S)	%	80	44-134	04/16/24 07:54	

LABORATORY CONTROL SAMPLE: 2698920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C28-C36)	mg/L		<0.028			
TPH - Diesel (C10-C28)	mg/L	0.5	0.41	82	69-120	
o-Terphenyl (S)	%			93	44-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698921 2698922

Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH (C28-C36)	mg/L	0.19			0.16	0.17				7	20	
TPH - Diesel (C10-C28)	mg/L	0.87	0.48	0.48	1.1	0.97	44	20	69-120	11	20	M0
o-Terphenyl (S)	%						70	70	44-134			

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471070 Analysis Method: EPA 8270E by SIM
 QC Batch Method: EPA 3510 Analysis Description: 8270E Water PAH
 Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453014, 40276453015, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453027, 40276453029

METHOD BLANK: 2698091 Matrix: Water

Associated Lab Samples: 40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453014, 40276453015, 40276453018, 40276453019, 40276453020, 40276453022, 40276453024, 40276453025, 40276453027, 40276453029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	<0.014	0.050	04/09/24 13:40	
Acenaphthylene	ug/L	<0.013	0.050	04/09/24 13:40	
Anthracene	ug/L	<0.018	0.050	04/09/24 13:40	
Benzo(a)anthracene	ug/L	<0.014	0.050	04/09/24 13:40	
Benzo(a)pyrene	ug/L	<0.013	0.050	04/09/24 13:40	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	04/09/24 13:40	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	04/09/24 13:40	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	04/09/24 13:40	
Chrysene	ug/L	<0.013	0.050	04/09/24 13:40	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	04/09/24 13:40	
Fluoranthene	ug/L	<0.026	0.050	04/09/24 13:40	
Fluorene	ug/L	<0.024	0.050	04/09/24 13:40	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	04/09/24 13:40	
Naphthalene	ug/L	<0.020	0.050	04/09/24 13:40	
Phenanthrene	ug/L	<0.026	0.050	04/09/24 13:40	
Pyrene	ug/L	<0.023	0.050	04/09/24 13:40	
2-Fluorobiphenyl (S)	%	64	38-120	04/09/24 13:40	
Terphenyl-d14 (S)	%	61	47-121	04/09/24 13:40	

LABORATORY CONTROL SAMPLE: 2698092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	2	1.3	64	60-120	
Acenaphthylene	ug/L	2	1.3	67	58-120	
Anthracene	ug/L	2	1.4	71	58-120	
Benzo(a)anthracene	ug/L	2	1.5	75	51-120	
Benzo(a)pyrene	ug/L	2	1.4	71	59-120	
Benzo(b)fluoranthene	ug/L	2	1.6	78	52-120	
Benzo(g,h,i)perylene	ug/L	2	1.5	76	62-120	
Benzo(k)fluoranthene	ug/L	2	1.4	71	59-120	
Chrysene	ug/L	2	1.4	72	55-125	
Dibenz(a,h)anthracene	ug/L	2	1.3	64	60-120	
Fluoranthene	ug/L	2	1.6	80	62-120	
Fluorene	ug/L	2	1.3	66	61-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.5	74	62-120	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

LABORATORY CONTROL SAMPLE: 2698092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	2	1.3	65	55-120	
Phenanthrene	ug/L	2	1.4	71	55-120	
Pyrene	ug/L	2	1.3	63	53-120	
2-Fluorobiphenyl (S)	%			60	38-120	
Terphenyl-d14 (S)	%			58	47-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698095 2698096

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40276453027 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Acenaphthene	ug/L	0.022J	2	2	1.3	1.3	65	66	52-120	1	20	
Acenaphthylene	ug/L	<0.013	2	2	1.3	1.3	65	67	49-120	1	20	
Anthracene	ug/L	<0.019	2	2	1.4	1.5	70	73	45-120	2	25	
Benzo(a)anthracene	ug/L	<0.014	2	2	1.4	1.4	68	71	31-120	2	25	
Benzo(a)pyrene	ug/L	<0.013	2	2	1.3	1.4	66	69	38-120	2	24	
Benzo(b)fluoranthene	ug/L	<0.0093	2	2	1.4	1.5	71	73	36-120	2	24	
Benzo(g,h,i)perylene	ug/L	<0.024	2	2	1.5	1.5	73	76	43-120	3	23	
Benzo(k)fluoranthene	ug/L	<0.023	2	2	1.5	1.5	72	76	46-120	3	21	
Chrysene	ug/L	<0.013	2	2	1.5	1.5	71	75	39-143	4	23	
Dibenz(a,h)anthracene	ug/L	<0.018	2	2	1.4	1.4	68	71	32-125	3	22	
Fluoranthene	ug/L	0.029J	2	2	1.7	1.7	81	84	56-120	2	21	
Fluorene	ug/L	<0.024	2	2	1.4	1.4	67	69	45-120	1	20	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	2	2	1.5	1.5	74	78	42-120	3	23	
Naphthalene	ug/L	0.14	2	2	1.6	1.4	70	64	50-120	10	23	
Phenanthrene	ug/L	<0.026	2	2	1.5	1.5	73	75	47-120	2	21	
Pyrene	ug/L	0.030J	2	2	1.3	1.4	64	66	47-120	1	23	
2-Fluorobiphenyl (S)	%						57	60	38-120			
Terphenyl-d14 (S)	%						54	57	47-121			

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471209	Analysis Method:	EPA 8270E by SIM
QC Batch Method:	EPA 3510	Analysis Description:	8270E Water PAH
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453006, 40276453013, 40276453016, 40276453017, 40276453023, 40276453026, 40276453028, 40276453030

METHOD BLANK: 2698535 Matrix: Water
 Associated Lab Samples: 40276453006, 40276453013, 40276453016, 40276453017, 40276453023, 40276453026, 40276453028, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	<0.014	0.050	04/09/24 13:58	
Acenaphthylene	ug/L	<0.013	0.050	04/09/24 13:58	
Anthracene	ug/L	<0.018	0.050	04/09/24 13:58	
Benzo(a)anthracene	ug/L	<0.014	0.050	04/09/24 13:58	
Benzo(a)pyrene	ug/L	<0.013	0.050	04/09/24 13:58	
Benzo(b)fluoranthene	ug/L	<0.0091	0.050	04/09/24 13:58	
Benzo(g,h,i)perylene	ug/L	<0.023	0.050	04/09/24 13:58	
Benzo(k)fluoranthene	ug/L	<0.022	0.050	04/09/24 13:58	
Chrysene	ug/L	<0.013	0.050	04/09/24 13:58	
Dibenz(a,h)anthracene	ug/L	<0.018	0.050	04/09/24 13:58	
Fluoranthene	ug/L	<0.026	0.050	04/09/24 13:58	
Fluorene	ug/L	<0.024	0.050	04/09/24 13:58	
Indeno(1,2,3-cd)pyrene	ug/L	<0.016	0.050	04/09/24 13:58	
Naphthalene	ug/L	<0.020	0.050	04/09/24 13:58	
Phenanthrene	ug/L	<0.026	0.050	04/09/24 13:58	
Pyrene	ug/L	<0.023	0.050	04/09/24 13:58	
2-Fluorobiphenyl (S)	%	60	38-120	04/09/24 13:58	
Terphenyl-d14 (S)	%	59	47-121	04/09/24 13:58	

LABORATORY CONTROL SAMPLE: 2698536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	2	1.6	79	60-120	
Acenaphthylene	ug/L	2	1.6	81	58-120	
Anthracene	ug/L	2	1.7	86	58-120	
Benzo(a)anthracene	ug/L	2	1.8	89	51-120	
Benzo(a)pyrene	ug/L	2	1.7	86	59-120	
Benzo(b)fluoranthene	ug/L	2	1.9	93	52-120	
Benzo(g,h,i)perylene	ug/L	2	1.9	95	62-120	
Benzo(k)fluoranthene	ug/L	2	1.8	88	59-120	
Chrysene	ug/L	2	1.7	87	55-125	
Dibenz(a,h)anthracene	ug/L	2	1.9	93	60-120	
Fluoranthene	ug/L	2	1.9	95	62-120	
Fluorene	ug/L	2	1.6	81	61-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.8	89	62-120	
Naphthalene	ug/L	2	1.7	87	55-120	
Phenanthrene	ug/L	2	1.7	87	55-120	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

LABORATORY CONTROL SAMPLE: 2698536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	2	1.5	75	53-120	
2-Fluorobiphenyl (S)	%			70	38-120	
Terphenyl-d14 (S)	%			68	47-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698537 2698538

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453023 Result	Spike Conc.	Spike Conc.	Result								
Acenaphthene	ug/L	4.3	1.9	1.8	6.1	5.5	93	63	52-120	10	20		
Acenaphthylene	ug/L	0.78	1.9	1.8	2.2	2.0	72	64	49-120	10	20		
Anthracene	ug/L	0.18	1.9	1.8	1.5	1.4	69	64	45-120	10	25		
Benzo(a)anthracene	ug/L	0.038J	1.9	1.8	1.3	1.2	67	64	31-120	9	25		
Benzo(a)pyrene	ug/L	<0.026	1.9	1.8	1.3	1.2	69	63	38-120	13	24		
Benzo(b)fluoranthene	ug/L	0.019J	1.9	1.8	1.4	1.2	71	66	36-120	11	24		
Benzo(g,h,i)perylene	ug/L	<0.048	1.9	1.8	1.3	1.2	70	66	43-120	10	23		
Benzo(k)fluoranthene	ug/L	<0.046	1.9	1.8	1.4	1.3	71	69	46-120	7	21		
Chrysene	ug/L	0.028J	1.9	1.8	1.4	1.3	72	68	39-143	9	23		
Dibenz(a,h)anthracene	ug/L	<0.037	1.9	1.8	1.2	1.1	63	60	32-125	7	22		
Fluoranthene	ug/L	0.36	1.9	1.8	1.9	1.8	83	76	56-120	9	21		
Fluorene	ug/L	0.75	1.9	1.8	2.1	1.9	73	64	45-120	10	20		
Indeno(1,2,3-cd)pyrene	ug/L	<0.032	1.9	1.8	1.5	1.4	80	75	42-120	9	23		
Naphthalene	ug/L	20.5	1.9	1.8	27.1	23.6	347	166	50-120	14	23 M1		
Phenanthrene	ug/L	0.52	1.9	1.8	2.0	1.8	80	70	47-120	12	21		
Pyrene	ug/L	0.32	1.9	1.8	1.6	1.5	68	64	47-120	8	23		
2-Fluorobiphenyl (S)	%						64	57	38-120				
Terphenyl-d14 (S)	%						56	53	47-121				

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471781

Analysis Method: SM 2320B

QC Batch Method: SM 2320B

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453019, 40276453020, 40276453022

METHOD BLANK: 2701632

Matrix: Water

Associated Lab Samples: 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453019, 40276453020, 40276453022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<5.0	10.0	04/16/24 10:02	

LABORATORY CONTROL SAMPLE: 2701633

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	200	199	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2701634 2701635

Parameter	Units	2701634		2701635		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Alkalinity, Total as CaCO3	mg/L	449	200	200	553	610	52	80	10	20	M0

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471782	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453023, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

METHOD BLANK: 2701636 Matrix: Water

Associated Lab Samples: 40276453023, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<5.0	10.0	04/16/24 14:40	

LABORATORY CONTROL SAMPLE: 2701637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	200	196	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2701638 2701639

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453023 Result	Spike Conc.	Spike Conc.	Conc.								
Alkalinity, Total as CaCO3	mg/L	402	200	200	200	519	546	59	72	80-120	5	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2701640 2701641

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40276453027 Result	Spike Conc.	Spike Conc.	Conc.								
Alkalinity, Total as CaCO3	mg/L	49.7	200	200	200	107	118	28	34	80-120	10	20	M0

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471886	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453001, 40276453002, 40276453018		

METHOD BLANK: 2702399 Matrix: Water
 Associated Lab Samples: 40276453001, 40276453002, 40276453018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<5.0	10.0	04/17/24 09:41	

LABORATORY CONTROL SAMPLE: 2702400

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	500	495	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2702401 2702402

Parameter	Units	2702401		2702402		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	2240	500	2690	2670	91	87	80-120	1	20	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471094	Analysis Method:	SM 4500-S F (2000)
QC Batch Method:	SM 4500-S F (2000)	Analysis Description:	4500S2F Sulfide, Iodometric
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453024, 40276453027, 40276453029		

METHOD BLANK: 2698180 Matrix: Water
 Associated Lab Samples: 40276453024, 40276453027, 40276453029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	04/08/24 12:04	

LABORATORY CONTROL SAMPLE: 2698181

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	46.8	44.8	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698182 2698183

Parameter	Units	2698182		2698183		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Sulfide	mg/L	<1.2	46.8	46.8	49.2	47.6	105	102	80-120	3	10

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471130	Analysis Method:	SM 4500-S F (2000)
QC Batch Method:	SM 4500-S F (2000)	Analysis Description:	4500S2F Sulfide, Iodometric
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453010, 40276453011, 40276453023, 40276453025		

METHOD BLANK:	2698263	Matrix:	Water
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453010, 40276453011, 40276453023, 40276453025		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	04/08/24 15:39	

LABORATORY CONTROL SAMPLE:	2698264					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	49.6	46.4	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2698267			2698268								
Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	<1.2	49.6	49.6	46.8	42.8	94	86	80-120	9	10	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471163

Analysis Method: SM 4500-S F (2000)

QC Batch Method: SM 4500-S F (2000)

Analysis Description: 4500S2F Sulfide, Iodometric

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453006, 40276453007, 40276453008, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453026, 40276453030

METHOD BLANK: 2698356

Matrix: Water

Associated Lab Samples: 40276453006, 40276453007, 40276453008, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453026, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	04/08/24 19:00	

LABORATORY CONTROL SAMPLE: 2698357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	48.8	45.6	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698373 2698374

Parameter	Units	2698373		2698374		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Sulfide	mg/L	<1.2	48.8	48.8	54.8	56.4	112	116	80-120	3	10	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471321

Analysis Method: SM 4500-S F (2000)

QC Batch Method: SM 4500-S F (2000)

Analysis Description: 4500S2F Sulfide, Iodometric

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453028

METHOD BLANK: 2699006

Matrix: Water

Associated Lab Samples: 40276453028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	<1.2	4.0	04/10/24 11:18	

LABORATORY CONTROL SAMPLE & LCSD: 2699007

2699017

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	46	48.4	42.4	105	92	80-120	13	10	R1

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471510

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453001

METHOD BLANK: 2700380

Matrix: Water

Associated Lab Samples: 40276453001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	04/16/24 11:31	

LABORATORY CONTROL SAMPLE: 2700381

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.4	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2700382 2700383

Parameter	Units	40276259001		2700382		2700383		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.					
Sulfate	mg/L	584	400	400	400	1040	1070	114	122	90-110	3	15 M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2700384 2700385

Parameter	Units	40276453001		2700384		2700385		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.					
Sulfate	mg/L	474	400	400	400	991	996	129	131	90-110	1	15 M0

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471614	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453023		

METHOD BLANK:	2700955	Matrix:	Water
Associated Lab Samples:	40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453023		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	04/17/24 14:41	

LABORATORY CONTROL SAMPLE:	2700956					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.7	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2700957			2700958								
Parameter	Units	40276453002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	188	100	100	296	279	108	91	90-110	6	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2700959			2700960								
Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfate	mg/L	141	100	100	245	240	103	99	90-110	2	15	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471615	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453024, 40276453025, 40276453026, 40276453027, 40276453029, 40276453030

METHOD BLANK: 2700961 Matrix: Water
 Associated Lab Samples: 40276453024, 40276453025, 40276453026, 40276453027, 40276453029, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	04/15/24 19:35	

LABORATORY CONTROL SAMPLE: 2700962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.8	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2700963 2700964

Parameter	Units	40276453027		2700964		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Sulfate	mg/L	80.7	200	200	310	287	115	103	90-110	8	15 M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2700965 2700966

Parameter	Units	40276699004		2700966		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Sulfate	mg/L	57.4	100	100	167	166	109	109	90-110	0	15

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch: 471767	Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0	Analysis Description: 300.0 IC Anions
	Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453028

METHOD BLANK: 2701582 Matrix: Water

Associated Lab Samples: 40276453028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	<0.44	2.0	04/17/24 14:46	

LABORATORY CONTROL SAMPLE: 2701583

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	20.7	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2701584 2701585

Parameter	Units	2701584		2701585		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40276699015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Sulfate	mg/L	328	1000	1000	1420	1370	109	104	90-110	3	15	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471199	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, preserved
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008		

METHOD BLANK:	2698495	Matrix:	Water
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	04/10/24 07:43	

LABORATORY CONTROL SAMPLE:	2698496					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2698497			2698498								
Parameter	Units	40276357001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.48	2.5	2.5	2.9	3.0	97	99	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2698499			2698500								
Parameter	Units	40276453008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	2.5	2.4	98	96	90-110	2	20	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471201	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, preserved
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453023, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030		

METHOD BLANK:	2698505	Matrix:	Water
Associated Lab Samples:	40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453022, 40276453023, 40276453024, 40276453025, 40276453026, 40276453027, 40276453028, 40276453029, 40276453030		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.059	0.25	04/10/24 08:07	

LABORATORY CONTROL SAMPLE:	2698506					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.4	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2698507			2698508								
Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	2.4	2.4	97	94	90-110	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2698509			2698510								
Parameter	Units	40276453027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	<0.059	2.5	2.5	2.5	2.5	99	97	90-110	2	20	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471170	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453023		

METHOD BLANK:	2698377	Matrix:	Water
Associated Lab Samples:	40276453001, 40276453002, 40276453003, 40276453004, 40276453005, 40276453006, 40276453007, 40276453008, 40276453010, 40276453011, 40276453012, 40276453013, 40276453014, 40276453015, 40276453016, 40276453017, 40276453018, 40276453019, 40276453020, 40276453023		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.19	0.50	04/09/24 06:05	

LABORATORY CONTROL SAMPLE:	2698378					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	12.1	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2698379			2698380								
Parameter	Units	40276453001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	5.8	6	6	11.4	11.6	94	97	80-120	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	2698381			2698382								
Parameter	Units	40276453023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	27.0	90	90	111	111	93	93	80-120	0	10	

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QUALITY CONTROL DATA

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

QC Batch:	471171	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40276453022, 40276453024, 40276453025, 40276453026, 40276453027, 40276453029, 40276453030

METHOD BLANK: 2698383 Matrix: Water

Associated Lab Samples: 40276453022, 40276453024, 40276453025, 40276453026, 40276453027, 40276453029, 40276453030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.19	0.50	04/09/24 14:00	

LABORATORY CONTROL SAMPLE: 2698384

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12.5	12.1	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2698385 2698386

Parameter	Units	40276453027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	6.7	36	36	39.2	39.2	90	90	80-120	0	10	

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

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QUALIFIERS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

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 - The reported result is an estimated value.

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 - Analyte was not detected and is reported as less than the LOD or as defined by the customer.

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.

SAMPLE QUALIFIERS

Sample: 40276453028

[1] Some tests were not able to be run on sample -028 due to lack of volume from the well.

BATCH QUALIFIERS

Batch: 471251

[1] The default spike range of the standard used for QC evaluation is C10-C28. All other carbon ranges may recover outside of spike limits because they may not cover the range of the spike used.

Batch: 471321

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 471330

[1] The default spike range of the standard used for QC evaluation is C10-C28. All other carbon ranges may recover outside of spike limits because they may not cover the range of the spike used.

ANALYTE QUALIFIERS

1q Sample was received with headspace.

2q The surrogate may have failed due to a matrix effect, as this sample formed a thick emulsion during extraction [not confirmed by re-extraction or re-analysis].

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

G+ Late peaks present outside the GRO window.

G- Early peaks present outside the GRO window.

GO Early and late peaks present outside the GRO window.

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QUALIFIERS

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

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.

P4 Sample field preservation does not meet EPA or method recommendations for this analysis.

P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276453001	MGP-MW-1-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453002	MGP-MW-2-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453003	MGP-MW-4B-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453004	MGP-MW-5-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453005	MGP-MW-3B-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453006	MGP-MW-9-24Q1	EPA 3510	471299	EPA 8015C Modified	471330
40276453007	MGP-MW-10-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453008	MGP-MW-11-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453010	MGP-MW-FD-1	EPA 3510	471183	EPA 8015C Modified	471251
40276453011	MGP-MW-12-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453012	MGP-MW-13-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453013	MGP-MW-14-24Q1	EPA 3510	471299	EPA 8015C Modified	471330
40276453014	MGP-MW-15-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453015	MGP-MW-16-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453016	MGP-MW-17-24Q1	EPA 3510	471299	EPA 8015C Modified	471330
40276453017	MGP-MW-21-24Q1	EPA 3510	471299	EPA 8015C Modified	471330
40276453018	MGP-MW-22-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453019	MGP-MW-29-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453020	MGP-MW-28-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453022	MGP-MW-FD-2	EPA 3510	471183	EPA 8015C Modified	471251
40276453023	MGP-MW-20R-24Q1	EPA 3510	471299	EPA 8015C Modified	471330
40276453024	MGP-MW-6R-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453025	MGP-MW-7R-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453026	MGP-MW-8R-24Q1	EPA 3510	471299	EPA 8015C Modified	471330
40276453027	MGP-MW-27-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453029	MGP-MW-31-24Q1	EPA 3510	471183	EPA 8015C Modified	471251
40276453030	MGP-MW-FD-3	EPA 3510	471299	EPA 8015C Modified	471330
40276453001	MGP-MW-1-24Q1	EPA 8015B Modified	471513		
40276453002	MGP-MW-2-24Q1	EPA 8015B Modified	471513		
40276453003	MGP-MW-4B-24Q1	EPA 8015B Modified	471513		
40276453004	MGP-MW-5-24Q1	EPA 8015B Modified	471513		
40276453005	MGP-MW-3B-24Q1	EPA 8015B Modified	471746		
40276453006	MGP-MW-9-24Q1	EPA 8015B Modified	471746		
40276453007	MGP-MW-10-24Q1	EPA 8015B Modified	471746		
40276453008	MGP-MW-11-24Q1	EPA 8015B Modified	471746		
40276453010	MGP-MW-FD-1	EPA 8015B Modified	471746		
40276453011	MGP-MW-12-24Q1	EPA 8015B Modified	471746		
40276453012	MGP-MW-13-24Q1	EPA 8015B Modified	471746		
40276453013	MGP-MW-14-24Q1	EPA 8015B Modified	471746		
40276453014	MGP-MW-15-24Q1	EPA 8015B Modified	471746		
40276453015	MGP-MW-16-24Q1	EPA 8015B Modified	471746		
40276453016	MGP-MW-17-24Q1	EPA 8015B Modified	471746		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276453017	MGP-MW-21-24Q1	EPA 8015B Modified	471746		
40276453018	MGP-MW-22-24Q1	EPA 8015B Modified	471746		
40276453019	MGP-MW-29-24Q1	EPA 8015B Modified	471746		
40276453020	MGP-MW-28-24Q1	EPA 8015B Modified	471746		
40276453022	MGP-MW-FD-2	EPA 8015B Modified	471746		
40276453023	MGP-MW-20R-24Q1	EPA 8015B Modified	471856		
40276453024	MGP-MW-6R-24Q1	EPA 8015B Modified	471746		
40276453025	MGP-MW-7R-24Q1	EPA 8015B Modified	471746		
40276453026	MGP-MW-8R-24Q1	EPA 8015B Modified	471856		
40276453027	MGP-MW-27-24Q1	EPA 8015B Modified	471746		
40276453028	MGP-MW-30-24Q1	EPA 8015B Modified	471856		
40276453029	MGP-MW-31-24Q1	EPA 8015B Modified	471746		
40276453030	MGP-MW-FD-3	EPA 8015B Modified	471856		
40276453001	MGP-MW-1-24Q1	WI MOD GRO	471034		
40276453002	MGP-MW-2-24Q1	WI MOD GRO	471034		
40276453003	MGP-MW-4B-24Q1	WI MOD GRO	471034		
40276453004	MGP-MW-5-24Q1	WI MOD GRO	471034		
40276453005	MGP-MW-3B-24Q1	WI MOD GRO	471034		
40276453006	MGP-MW-9-24Q1	WI MOD GRO	471034		
40276453007	MGP-MW-10-24Q1	WI MOD GRO	471034		
40276453008	MGP-MW-11-24Q1	WI MOD GRO	471034		
40276453009	MGP-MW-TB-1	WI MOD GRO	471034		
40276453010	MGP-MW-FD-1	WI MOD GRO	471034		
40276453011	MGP-MW-12-24Q1	WI MOD GRO	471034		
40276453012	MGP-MW-13-24Q1	WI MOD GRO	471034		
40276453013	MGP-MW-14-24Q1	WI MOD GRO	471034		
40276453014	MGP-MW-15-24Q1	WI MOD GRO	471034		
40276453015	MGP-MW-16-24Q1	WI MOD GRO	471294		
40276453016	MGP-MW-17-24Q1	WI MOD GRO	471294		
40276453017	MGP-MW-21-24Q1	WI MOD GRO	471294		
40276453018	MGP-MW-22-24Q1	WI MOD GRO	471294		
40276453019	MGP-MW-29-24Q1	WI MOD GRO	471294		
40276453020	MGP-MW-28-24Q1	WI MOD GRO	471294		
40276453021	MGP-MW-TB-2	WI MOD GRO	471294		
40276453022	MGP-MW-FD-2	WI MOD GRO	471294		
40276453023	MGP-MW-20R-24Q1	WI MOD GRO	471294		
40276453024	MGP-MW-6R-24Q1	WI MOD GRO	471294		
40276453025	MGP-MW-7R-24Q1	WI MOD GRO	471294		
40276453026	MGP-MW-8R-24Q1	WI MOD GRO	471294		
40276453027	MGP-MW-27-24Q1	WI MOD GRO	471294		
40276453028	MGP-MW-30-24Q1	WI MOD GRO	471294		
40276453029	MGP-MW-31-24Q1	WI MOD GRO	471294		
40276453030	MGP-MW-FD-3	WI MOD GRO	471294		
40276453001	MGP-MW-1-24Q1	EPA 3010A	471175	EPA 6010D	471267

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Table with 6 columns: Lab ID, Sample ID, QC Batch Method, QC Batch, Analytical Method, Analytical Batch. It lists various sample IDs and their corresponding QC and analytical data.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276453022	MGP-MW-FD-2	EPA 7470	472196	EPA 7470	472243
40276453023	MGP-MW-20R-24Q1	EPA 7470	472195	EPA 7470	472242
40276453024	MGP-MW-6R-24Q1	EPA 7470	472196	EPA 7470	472243
40276453025	MGP-MW-7R-24Q1	EPA 7470	472196	EPA 7470	472243
40276453026	MGP-MW-8R-24Q1	EPA 7470	472196	EPA 7470	472243
40276453027	MGP-MW-27-24Q1	EPA 7470	472196	EPA 7470	472243
40276453028	MGP-MW-30-24Q1	EPA 7470	472196	EPA 7470	472243
40276453029	MGP-MW-31-24Q1	EPA 7470	472196	EPA 7470	472243
40276453030	MGP-MW-FD-3	EPA 7470	472196	EPA 7470	472243
40276453001	MGP-MW-1-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453002	MGP-MW-2-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453003	MGP-MW-4B-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453004	MGP-MW-5-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453005	MGP-MW-3B-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453006	MGP-MW-9-24Q1	EPA 3510	471209	EPA 8270E by SIM	471241
40276453007	MGP-MW-10-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453008	MGP-MW-11-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453010	MGP-MW-FD-1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453011	MGP-MW-12-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453012	MGP-MW-13-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453013	MGP-MW-14-24Q1	EPA 3510	471209	EPA 8270E by SIM	471241
40276453014	MGP-MW-15-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453015	MGP-MW-16-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453016	MGP-MW-17-24Q1	EPA 3510	471209	EPA 8270E by SIM	471241
40276453017	MGP-MW-21-24Q1	EPA 3510	471209	EPA 8270E by SIM	471241
40276453018	MGP-MW-22-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453019	MGP-MW-29-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453020	MGP-MW-28-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453022	MGP-MW-FD-2	EPA 3510	471070	EPA 8270E by SIM	471156
40276453023	MGP-MW-20R-24Q1	EPA 3510	471209	EPA 8270E by SIM	471241
40276453024	MGP-MW-6R-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453025	MGP-MW-7R-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453026	MGP-MW-8R-24Q1	EPA 3510	471209	EPA 8270E by SIM	471241
40276453027	MGP-MW-27-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453028	MGP-MW-30-24Q1	EPA 3510	471209	EPA 8270E by SIM	471241
40276453029	MGP-MW-31-24Q1	EPA 3510	471070	EPA 8270E by SIM	471156
40276453030	MGP-MW-FD-3	EPA 3510	471209	EPA 8270E by SIM	471241
40276453001	MGP-MW-1-24Q1	EPA 8260	471167		
40276453002	MGP-MW-2-24Q1	EPA 8260	471167		
40276453003	MGP-MW-4B-24Q1	EPA 8260	471167		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276453004	MGP-MW-5-24Q1	EPA 8260	471167		
40276453005	MGP-MW-3B-24Q1	EPA 8260	471167		
40276453006	MGP-MW-9-24Q1	EPA 8260	471167		
40276453007	MGP-MW-10-24Q1	EPA 8260	471167		
40276453008	MGP-MW-11-24Q1	EPA 8260	471167		
40276453009	MGP-MW-TB-1	EPA 8260	471167		
40276453010	MGP-MW-FD-1	EPA 8260	471167		
40276453011	MGP-MW-12-24Q1	EPA 8260	471167		
40276453012	MGP-MW-13-24Q1	EPA 8260	471167		
40276453013	MGP-MW-14-24Q1	EPA 8260	471167		
40276453014	MGP-MW-15-24Q1	EPA 8260	471167		
40276453015	MGP-MW-16-24Q1	EPA 8260	471167		
40276453016	MGP-MW-17-24Q1	EPA 8260	471167		
40276453017	MGP-MW-21-24Q1	EPA 8260	471167		
40276453018	MGP-MW-22-24Q1	EPA 8260	471167		
40276453019	MGP-MW-29-24Q1	EPA 8260	471167		
40276453020	MGP-MW-28-24Q1	EPA 8260	471167		
40276453021	MGP-MW-TB-2	EPA 8260	471168		
40276453022	MGP-MW-FD-2	EPA 8260	471168		
40276453023	MGP-MW-20R-24Q1	EPA 8260	471166		
40276453024	MGP-MW-6R-24Q1	EPA 8260	471166		
40276453025	MGP-MW-7R-24Q1	EPA 8260	471168		
40276453026	MGP-MW-8R-24Q1	EPA 8260	471166		
40276453027	MGP-MW-27-24Q1	EPA 8260	471168		
40276453028	MGP-MW-30-24Q1	EPA 8260	471166		
40276453029	MGP-MW-31-24Q1	EPA 8260	471166		
40276453030	MGP-MW-FD-3	EPA 8260	471168		
40276453001	MGP-MW-1-24Q1	SM 2320B	471886		
40276453002	MGP-MW-2-24Q1	SM 2320B	471886		
40276453003	MGP-MW-4B-24Q1	SM 2320B	471781		
40276453004	MGP-MW-5-24Q1	SM 2320B	471781		
40276453005	MGP-MW-3B-24Q1	SM 2320B	471781		
40276453006	MGP-MW-9-24Q1	SM 2320B	471781		
40276453007	MGP-MW-10-24Q1	SM 2320B	471781		
40276453008	MGP-MW-11-24Q1	SM 2320B	471781		
40276453010	MGP-MW-FD-1	SM 2320B	471781		
40276453011	MGP-MW-12-24Q1	SM 2320B	471781		
40276453012	MGP-MW-13-24Q1	SM 2320B	471781		
40276453013	MGP-MW-14-24Q1	SM 2320B	471781		
40276453014	MGP-MW-15-24Q1	SM 2320B	471781		
40276453015	MGP-MW-16-24Q1	SM 2320B	471781		
40276453016	MGP-MW-17-24Q1	SM 2320B	471781		
40276453017	MGP-MW-21-24Q1	SM 2320B	471781		
40276453018	MGP-MW-22-24Q1	SM 2320B	471886		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276453019	MGP-MW-29-24Q1	SM 2320B	471781		
40276453020	MGP-MW-28-24Q1	SM 2320B	471781		
40276453022	MGP-MW-FD-2	SM 2320B	471781		
40276453023	MGP-MW-20R-24Q1	SM 2320B	471782		
40276453024	MGP-MW-6R-24Q1	SM 2320B	471782		
40276453025	MGP-MW-7R-24Q1	SM 2320B	471782		
40276453026	MGP-MW-8R-24Q1	SM 2320B	471782		
40276453027	MGP-MW-27-24Q1	SM 2320B	471782		
40276453028	MGP-MW-30-24Q1	SM 2320B	471782		
40276453029	MGP-MW-31-24Q1	SM 2320B	471782		
40276453030	MGP-MW-FD-3	SM 2320B	471782		
40276453001	MGP-MW-1-24Q1	SM 4500-S F (2000)	471130		
40276453002	MGP-MW-2-24Q1	SM 4500-S F (2000)	471130		
40276453003	MGP-MW-4B-24Q1	SM 4500-S F (2000)	471130		
40276453004	MGP-MW-5-24Q1	SM 4500-S F (2000)	471130		
40276453005	MGP-MW-3B-24Q1	SM 4500-S F (2000)	471130		
40276453006	MGP-MW-9-24Q1	SM 4500-S F (2000)	471163		
40276453007	MGP-MW-10-24Q1	SM 4500-S F (2000)	471163		
40276453008	MGP-MW-11-24Q1	SM 4500-S F (2000)	471163		
40276453010	MGP-MW-FD-1	SM 4500-S F (2000)	471130		
40276453011	MGP-MW-12-24Q1	SM 4500-S F (2000)	471130		
40276453012	MGP-MW-13-24Q1	SM 4500-S F (2000)	471163		
40276453013	MGP-MW-14-24Q1	SM 4500-S F (2000)	471163		
40276453014	MGP-MW-15-24Q1	SM 4500-S F (2000)	471163		
40276453015	MGP-MW-16-24Q1	SM 4500-S F (2000)	471163		
40276453016	MGP-MW-17-24Q1	SM 4500-S F (2000)	471163		
40276453017	MGP-MW-21-24Q1	SM 4500-S F (2000)	471163		
40276453018	MGP-MW-22-24Q1	SM 4500-S F (2000)	471163		
40276453019	MGP-MW-29-24Q1	SM 4500-S F (2000)	471163		
40276453020	MGP-MW-28-24Q1	SM 4500-S F (2000)	471163		
40276453022	MGP-MW-FD-2	SM 4500-S F (2000)	471163		
40276453023	MGP-MW-20R-24Q1	SM 4500-S F (2000)	471130		
40276453024	MGP-MW-6R-24Q1	SM 4500-S F (2000)	471094		
40276453025	MGP-MW-7R-24Q1	SM 4500-S F (2000)	471130		
40276453026	MGP-MW-8R-24Q1	SM 4500-S F (2000)	471163		
40276453027	MGP-MW-27-24Q1	SM 4500-S F (2000)	471094		
40276453028	MGP-MW-30-24Q1	SM 4500-S F (2000)	471321		
40276453029	MGP-MW-31-24Q1	SM 4500-S F (2000)	471094		
40276453030	MGP-MW-FD-3	SM 4500-S F (2000)	471163		
40276453001	MGP-MW-1-24Q1	EPA 300.0	471510		
40276453002	MGP-MW-2-24Q1	EPA 300.0	471614		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276453003	MGP-MW-4B-24Q1	EPA 300.0	471614		
40276453004	MGP-MW-5-24Q1	EPA 300.0	471614		
40276453005	MGP-MW-3B-24Q1	EPA 300.0	471614		
40276453006	MGP-MW-9-24Q1	EPA 300.0	471614		
40276453007	MGP-MW-10-24Q1	EPA 300.0	471614		
40276453008	MGP-MW-11-24Q1	EPA 300.0	471614		
40276453010	MGP-MW-FD-1	EPA 300.0	471614		
40276453011	MGP-MW-12-24Q1	EPA 300.0	471614		
40276453012	MGP-MW-13-24Q1	EPA 300.0	471614		
40276453013	MGP-MW-14-24Q1	EPA 300.0	471614		
40276453014	MGP-MW-15-24Q1	EPA 300.0	471614		
40276453015	MGP-MW-16-24Q1	EPA 300.0	471614		
40276453016	MGP-MW-17-24Q1	EPA 300.0	471614		
40276453017	MGP-MW-21-24Q1	EPA 300.0	471614		
40276453018	MGP-MW-22-24Q1	EPA 300.0	471614		
40276453019	MGP-MW-29-24Q1	EPA 300.0	471614		
40276453020	MGP-MW-28-24Q1	EPA 300.0	471614		
40276453022	MGP-MW-FD-2	EPA 300.0	471614		
40276453023	MGP-MW-20R-24Q1	EPA 300.0	471614		
40276453024	MGP-MW-6R-24Q1	EPA 300.0	471615		
40276453025	MGP-MW-7R-24Q1	EPA 300.0	471615		
40276453026	MGP-MW-8R-24Q1	EPA 300.0	471615		
40276453027	MGP-MW-27-24Q1	EPA 300.0	471615		
40276453028	MGP-MW-30-24Q1	EPA 300.0	471767		
40276453029	MGP-MW-31-24Q1	EPA 300.0	471615		
40276453030	MGP-MW-FD-3	EPA 300.0	471615		
40276453001	MGP-MW-1-24Q1	EPA 353.2	471199		
40276453002	MGP-MW-2-24Q1	EPA 353.2	471199		
40276453003	MGP-MW-4B-24Q1	EPA 353.2	471199		
40276453004	MGP-MW-5-24Q1	EPA 353.2	471199		
40276453005	MGP-MW-3B-24Q1	EPA 353.2	471199		
40276453006	MGP-MW-9-24Q1	EPA 353.2	471199		
40276453007	MGP-MW-10-24Q1	EPA 353.2	471199		
40276453008	MGP-MW-11-24Q1	EPA 353.2	471199		
40276453010	MGP-MW-FD-1	EPA 353.2	471201		
40276453011	MGP-MW-12-24Q1	EPA 353.2	471201		
40276453012	MGP-MW-13-24Q1	EPA 353.2	471201		
40276453013	MGP-MW-14-24Q1	EPA 353.2	471201		
40276453014	MGP-MW-15-24Q1	EPA 353.2	471201		
40276453015	MGP-MW-16-24Q1	EPA 353.2	471201		
40276453016	MGP-MW-17-24Q1	EPA 353.2	471201		
40276453017	MGP-MW-21-24Q1	EPA 353.2	471201		
40276453018	MGP-MW-22-24Q1	EPA 353.2	471201		
40276453019	MGP-MW-29-24Q1	EPA 353.2	471201		
40276453020	MGP-MW-28-24Q1	EPA 353.2	471201		
40276453022	MGP-MW-FD-2	EPA 353.2	471201		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 18S024 SUPERIOR WL&P

Pace Project No.: 40276453

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40276453023	MGP-MW-20R-24Q1	EPA 353.2	471201		
40276453024	MGP-MW-6R-24Q1	EPA 353.2	471201		
40276453025	MGP-MW-7R-24Q1	EPA 353.2	471201		
40276453026	MGP-MW-8R-24Q1	EPA 353.2	471201		
40276453027	MGP-MW-27-24Q1	EPA 353.2	471201		
40276453028	MGP-MW-30-24Q1	EPA 353.2	471201		
40276453029	MGP-MW-31-24Q1	EPA 353.2	471201		
40276453030	MGP-MW-FD-3	EPA 353.2	471201		
40276453001	MGP-MW-1-24Q1	SM 5310C	471170		
40276453002	MGP-MW-2-24Q1	SM 5310C	471170		
40276453003	MGP-MW-4B-24Q1	SM 5310C	471170		
40276453004	MGP-MW-5-24Q1	SM 5310C	471170		
40276453005	MGP-MW-3B-24Q1	SM 5310C	471170		
40276453006	MGP-MW-9-24Q1	SM 5310C	471170		
40276453007	MGP-MW-10-24Q1	SM 5310C	471170		
40276453008	MGP-MW-11-24Q1	SM 5310C	471170		
40276453010	MGP-MW-FD-1	SM 5310C	471170		
40276453011	MGP-MW-12-24Q1	SM 5310C	471170		
40276453012	MGP-MW-13-24Q1	SM 5310C	471170		
40276453013	MGP-MW-14-24Q1	SM 5310C	471170		
40276453014	MGP-MW-15-24Q1	SM 5310C	471170		
40276453015	MGP-MW-16-24Q1	SM 5310C	471170		
40276453016	MGP-MW-17-24Q1	SM 5310C	471170		
40276453017	MGP-MW-21-24Q1	SM 5310C	471170		
40276453018	MGP-MW-22-24Q1	SM 5310C	471170		
40276453019	MGP-MW-29-24Q1	SM 5310C	471170		
40276453020	MGP-MW-28-24Q1	SM 5310C	471170		
40276453022	MGP-MW-FD-2	SM 5310C	471171		
40276453023	MGP-MW-20R-24Q1	SM 5310C	471170		
40276453024	MGP-MW-6R-24Q1	SM 5310C	471171		
40276453025	MGP-MW-7R-24Q1	SM 5310C	471171		
40276453026	MGP-MW-8R-24Q1	SM 5310C	471171		
40276453027	MGP-MW-27-24Q1	SM 5310C	471171		
40276453029	MGP-MW-31-24Q1	SM 5310C	471171		
40276453030	MGP-MW-FD-3	SM 5310C	471171		

REPORT OF LABORATORY ANALYSIS

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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

40276453

Page: 2 of 3

COC Number: GW_20240405-1

Company: Foth, Report To: Jill Dekart (jill.dekart@foth.com), Requested Due Date: Quote Reference: 158012, Address: 2121 Innovation Court, Suite 100, Copy To: Hannah Possehl (hannah.possehl@foth.com); Scott Barton (scott.barton@foth.com), *TAT: Standard - 10 days, Project Manager: Pace - Tod.notlemeyer@pacelabs.com; Foth - Steve Krul - steve.krul@foth.com, De Pere, WI 54115-5095, Invoice To: Steve Krul, Project Task Code: 24Q1_LongTerm Monitoring, Phone: 414-336-7900, Fax: (920) 497-8516, P.O. IE-P00002448, Pace Profile #: John Kamps, Email Address: jill.dekart@foth.com, Project Name: Superior Water Light & Power, Regulatory Agency: Sampling Team Members: John Kamps, Site License No.: Project Number: 18S024, State Location: WI

Table with columns: ITEM NUMBER, MATRIX CODE, SAMPLE TYPE, DATE COLLECTED, TIME COLLECTED, # Containers, Unpreserved, H2SO4, HNO3, HCl, NaOH & Zinc Acetate, Na2S2O3, Methanol, VOCs (SW 8260), PAHs (8270), TPH-DRO (C10-C28)/ORO (28-C36) (EPA 8015M), TPH-GRO (WI-GRO), Sulfate (EPA 300.0) Total Alkalinity (SM 2320B), Dissolved Metals (EPA 601.0B), Hardness, Total (CaCO3) (SM 2340B), Dissolved Mercury (EPA 7470), Dissolved Methane (EPA 8015M), Sulfide (SM 4500-S2), Nitrite+Nitrate (EPA 300), Total Organic Carbon (EPA 9060), REMARKS / Lab ID. Includes 'Valid Matrix Codes' table and 'SAMPLE ID*' instructions.

SHIPMENT METHOD, AIRBILL NO., SHIPPING DATE, NO. OF COOLERS, ITEM #, RELINQUISHED BY / AFFILIATION, DATE, TIME, ACCEPTED BY / AFFILIATION, DATE, TIME

SAMPLE CONDITION: Temp in C, Received on Ice Y/N, Sealed Cooler Y/N, Sample Intact Y/N. SAMPLE NOTES: Metals include: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, nickel, selenium, silver, thallium, vanadium, and zinc.

SAMPLER NAME AND SIGNATURE: John Kamps. PRINT Name of SAMPLER: John Kamps. SIGNATURE of SAMPLER: [Signature]. DATE Signed: 4/5/24

40276453



CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 3

COC Number: GW_20240405-1

Company: Foth, Report To: Jill Dekart (jill.dekart@foth.com), Requested Due Date: 158012, Address: 2121 Innovation Court, Suite 100, Copy To: Hannah Possehl (hannah.possehl@foth.com); Scott Barton (scott.barton@foth.com), *TAT: Standard - 10 days, Project Manager: Pace - Tod.notlemeyer@pacelabs.com; Foth - Steve Krul - steve.krul@foth.com, De Pere, WI 54115-5095, Invoice To: Steve Krul, Project Task Code: 24Q1_LongTerm Monitoring, Phone: 414-336-7900 Fax: (920) 497-8516, P.O.: IE-P00002448, Email Address: jill.dekart@foth.com, Project Name: Superior Water Light & Power, Regulatory Agency: Pace Profile #: Sampling Team Members: John Kamps, Site License No.: Project Number: 18S024, State Location: WI

Table with columns: ITEM NUMBER, MATRIX CODE, SAMPLE TYPE, DATE COLLECTED, TIME COLLECTED, # Containers, Preservatives (Unpreserved, H2SO4, HNO3, HCl, NaOH & Zinc Acetate, Na2S2O3, Methanol), Requested Analysis (VOCs, PAHs, TPH, Sulfate, Dissolved Metals, Hardness, Dissolved Mercury, Dissolved Methane, Sulfide, Nitrite+Nitrate, Total Organic Carbon), REMARKS / Lab ID. Includes a 'Valid Matrix Codes' legend and a 'SAMPLE ID*' formula: MGP-MW-XXX-YYQZ, where 'XXX' is well name and 'EX. MGP-MW-XXX-YR+Q+#'.

SHIPMENT METHOD AIRBILL NO. SHIPPING DATE NO. OF COOLERS ITEM # RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME

SAMPLE CONDITION: Temp in C, Received on Ice Y/N, Sealed Cooler Y/N, Sample Intact Y/N. SAMPLE NOTES: Metals include: antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, nickel, selenium, silver, thallium, vanadium, and zinc. MS/MSD-1 from sample MGP-MW-27-24Q1. MS/MSD-2 from sample MGP-MW-20R-24Q1. Additional Comments: SHAMPLER NAME AND SIGNATURE: John Kamps. PRINT Name of SHAMPLER: John Kamps. SIGNATURE of SHAMPLER: [Signature]. DATE Signed: 4/5/24.

Effective Date: 8/16/2022

Client Name: Fork

Sample Preservation Receipt Form

Project # 40216453

All containers needing preservation have been checked and noted below

Yes No N/A

Lab Lot# of pH paper: 1000134

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

Initial when completed: SL 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																9																				2.5/5
002																9																				2.5/5
003																9																				2.5/5
004																9																				2.5/5
005																9																				2.5/5
006																9																				2.5/5
007																9																				2.5/5
008																9																				2.5/5
009																2																				2.5/5
010																9																				2.5/5
011																9																				2.5/5
012																9																				2.5/5
013																9																				2.5/5
014																9																				2.5/5
015																9																				2.5/5
016																9																				2.5/5
017																9																				2.5/5
018																9																				2.5/5
019																9																				2.5/5
020																9																				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	

Client Name: Folk

Sample Preservation Receipt Form
Project #: 40216453

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						
021																2																							2.5/5	
022																9																								2.5/5
023			3	3	6			2		2	2	2				15																								2.5/5
024					2											9																								2.5/5
025					2											9																								2.5/5
026					2											9																								2.5/5
027			3	3	6			2		2	2	2				15																								2.5/5
028	<u>4/16/24</u>				2									<u>4/16/24</u>		9																								2.5/5
029					2											9																								2.5/5
030					2											9																								2.5/5
031																																								2.5/5
032																																								2.5/5
033																																								2.5/5
034																																								2.5/5
035																																								2.5/5
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041																																								2.5/5
042																																								2.5/5
043																																								2.5/5
044																																								2.5/5
045																																								2.5/5
046																																								2.5/5
047																																								2.5/5
048																																								2.5/5


4/16/24

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Foth

WO#: 40276453



40276453

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

Tracking #: 27307419 9170

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-139 Type of Ice: Wet Blue Dry None Meltwater Only

Cooler Temperature Uncorr. 0.0 / Corr. 0.0

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 4/6/04 / Initials: SG
 Labeled By Initials: _____

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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- DI VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Correct Type: <u>Pace Green Bay, Pace IR, Non-Pace</u>		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>517</u>		

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 logir



Data Validation Report

Project Name:	Superior Water Light & Power		
Task Name:	Ambient Air Samples		
Laboratory(s):	Pace - National		
Laboratory Sample Delivery Group ID(s):	L1730244		
Sample Collection Dates:	4/26/2024		
Sample Analysis Dates:	4/28/2024		
Sample Matrices:	Air		
Sample IDs Reviewed:	See Table 1		
Verification and Validation Stage, 100% data:	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2A <input type="checkbox"/> 2B <input type="checkbox"/> 3 <input type="checkbox"/> 4		
Verified and Validated By:	T. Scott Barton Lead Environmental Scientist		5/30/2024
Reviewed By:	Jill Dekart Lead Environmental Engineer		5/31/2024

The analytical data were validated to verify that laboratory quality assurance and quality control (QA/QC) procedures were documented and to evaluate the overall quality of the data reported. The analytical report included two ambient air samples collected on April 26, 2024; samples are listed in Table 1. The samples were collected as part of the *Upland Area Remedial Action Long-Term Operations, Maintenance, and Monitoring Plan* (Foth Infrastructure & Environment, LLC [Foth], 2023a) and *Upland Area, Former Manufactured Gas Remedial Action Quality Assurance Project Plan* (Foth, 2023b).

Overall Assessment of Data

Overall, the data reported are of good quality and the results for the applicable QA/QC measurements that were used by the laboratories during the analysis of the samples were generally acceptable. Some sample results required qualification during data validation because method-specific QA/QC criteria were not met; results may be qualified for more than one reason. Table 2 provides a definition of the qualifiers assigned by the validator and/or retained from the laboratory.

- ◆ No qualifiers were assigned for this sample delivery group (SDG).
- ◆ No results were rejected.
- ◆ 100% of the data is usable for project data quality objectives.

Validation Summary

Stage 2A data validation was performed on 100% of the data from this SDG, with review tasks and items of note documented in the summary table below.

Validation Task and Description	Review Notes	Action
<p>Chain of Custody (COC) and Sample Receipt Form Confirm relinquish and receipt signatures. Confirm parameters and analytical methods match COC.</p>	<p>One COC was submitted with the field samples. All appropriate relinquish and receipt signatures were present.</p>	<p>No qualifiers assigned</p>
<p>Case Narrative Review for items noted by the laboratory.</p>	<p>Sample Receipt: Two ambient air samples were received for analysis at Pace – National on 4/27/2024. The samples were received in acceptable condition.</p> <p>TO-15: No exceptions</p>	<p>Not applicable</p>
<p>Sample Condition Upon Receipt (SCUR) Confirm samples in acceptable condition and no discrepancies noted. Confirm preservation meets method requirements.</p>	<p>The samples arrived in good condition.</p>	<p>No qualifiers assigned</p>
<p>Methods Requested Confirm analyses ordered match project requirements and lab provided results for all methods ordered.</p>	<p>All methods requested were performed in accordance with project requirements.</p>	<p>Not applicable</p>
<p>Analytes Requested Confirm analytes ordered match project requirements and lab provided all analytes ordered.</p>	<p>All analytes requested were performed in accordance with the COC.</p>	<p>Not applicable</p>
<p>Holding Times Confirm laboratory performed extractions and analyses within method-required holding times.</p>	<p>Extractions and analyses were performed within method-required holding times.</p>	<p>No qualifiers assigned</p>

Validation Task and Description	Review Notes	Action
<p>Blanks Confirm no detections in laboratory (method) blanks, no detections in equipment blanks and, equipment/trip blanks collected at work plan-required frequency.</p>	<p>Table 3 includes the analytes detected in the method blank. No method blanks were detected in this SDG.</p> <p>No Equipment Blanks or Trip Blanks were included in this SDG.</p>	<p>No qualifiers assigned</p>
<p>Surrogates or deuterated monitoring compounds <i>For organic analyses only, confirm surrogates analyzed and surrogate recovery within QC limits.</i></p>	<p>Table 4 presents surrogate recoveries that were outside control limits. All surrogates were within control limits for this SDG.</p>	<p>No qualifiers assigned</p>
<p>Matrix Spike/Matrix Spike Duplicates (MS/MSDs) Confirm MS/MSDs at frequency specified in work plan and MS percent recovery within lab specified limits. Confirm, for Organic analytes, MSD relative percent difference (RPD) within limits. For inorganic analytes, lab replicate RPD within limits.</p>	<p>Table 5 shows those MS/MSD for which the percent (%) recovery was outside control limits. Qualifiers are assigned on the parent sample when either the RPD recovery, or both the MS and MSD recovery, are outside control limits.</p> <p>No MS/MSD results were reported for this SDG.</p>	<p>No qualifiers assigned</p>
<p>Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Confirm LCS analyzed and LCS/LCSD recovery within lab specified limits.</p>	<p>Table 6 shows those laboratory control sample/laboratory control sample duplicates (LCS/LCSD) for which the % recovery was outside control limits. Qualifiers are assigned on the parent sample when either the RPD recovery, or both the LCS and LCSD recovery, is outside control limits.</p> <p>All LCS/LCSD recoveries were within control limits for this SDG.</p>	<p>No qualifiers assigned</p>
<p>Field Duplicates Confirm field duplicates collected at required frequency and field duplicate RPD within acceptable limits.</p>	<p>No field duplicate samples were collected for this SDG.</p>	<p>No qualifiers assigned</p>

Validation Task and Description	Review Notes	Action
Laboratory qualifiers Confirm J qualifiers for values between method detection limit (MDL) and reporting limit (RL) and all analyte or method specific qualifiers.	Table 9 shows those samples that were qualified by the laboratory. The laboratory reported non-detect values with U qualifiers; U qualifiers are presented in Table 8 but not shown in Table 9 if they were not changed during validation. No qualifiers are assigned in Table 9.	No qualifiers assigned

Abbreviations:

Foth = Foth Infrastructure & Environment, LLC
 J = estimated
 LCS/LCSD = laboratory control sample/laboratory control sample duplicate
 MDL = method detection limit
 MS/MSD = matrix spike/matrix spike duplicate

QA/QC = quality assurance/quality control
 RL = reporting limit
 RPD = relative percent difference
 SCUR = sample condition upon receipt
 SDG = sample delivery group
 U = not detected

Table 9 shows the Qualified Results from Data Validation with validator assigned qualifiers. Any qualifiers and/or results that were changed during validation are highlighted in Table 9.

References

Foth Infrastructure & Environment, LLC, 2023a. *Upland Area Remedial Action Long-Term Operations, Maintenance, and Monitoring Plan.*

Foth Infrastructure & Environment, LLC, 2023b. *Upland Area, Former Manufactured Gas Remedial Action Quality Assurance Project Plan.*

United States Environmental Protection Agency, 2020. *National Functional Guidelines for Inorganic Superfund Methods Data Review.* November 2020.

United States Environmental Protection Agency, 2020. *National Functional Guidelines for Organic Superfund Methods Data Review.* November 2020.

Tables

Table 1
Sample IDs Reviewed

Project Sample ID	COC Number	Lab Sample ID	Sample Type
		Pace - National	
MGP-SG-INFEAST-24Q1	SG-20240426-1	L1730244-01	Normal
MGP-SG-EFFEAST-24Q1	SG-20240426-1	L1730244-02	Normal

Notes:

COC = chain of custody

ID = identification

Prepared by: TSB

Checked by: JAM8

Table 2
Data Qualifiers That May Be Used to Qualify Analytical Results During Validation

Qualifier	Explanation
U	The analyte was analyzed for and was not detected above the numerical quantitation limit.
J	The analyte was analyzed for and was positively identified, but the analytical result (i.e., quantitation) is an estimated value. In some cases it is recognized that the estimated value is biased high (J+) suggesting the actual value is lower than estimated; or biased low (J-) suggesting the actual value is higher than estimated.
UJ	The analyte was analyzed for and was not detected above the reporting limit, but the reporting limit is an estimated value.
R	The analyte was analyzed for but may or may not be present and/or quantifiable due to quality control issues. The analytical result is not usable and should be rejected.
N	The analysis indicates presumptive evidence of the presence of the analyte.
NJ	The analysis indicates presumptive evidence of the presence of the analyte, but the numerical value is an estimated quantity.

Notes:

Results qualified as "J" or "UJ" are of acceptable data quality and may be used quantitatively per United States Environmental Protection Agency guidelines.

Prepared by: TSB
Checked by: AVB

**Table 3
Method Blank Exceedances**

Sample ID	Lab Sample ID	Parameter	Result	Units	Lab Qualifier	MDL	RL
<i>No analytes were detected in Method Blanks associated with this SDG</i>							

Notes:

J = Estimated result

MDL = method detection limit

Prepared by: TSB

Checked by: JAM8

Table 4
Surrogate Recoveries

Lab Sample ID	Parent Sample	Parameter	Surrogate Recovery	Control Limits
<i>All surrogate recoveries were within control limits for this SDG</i>				

Prepared by: TSB
Checked by: JAM8

**Table 5
Matrix Spike and Matrix Spike Duplicates**

Lab Sample ID	Project/ Non-Project	Parent Sample	Parameter	Parent Sample Result	MS Sample Result	MSD Sample Result	MS Spike Amount	MSD Spike Amount	MS % Recovery	MSD % Recovery	% Recovery Limits	RPD	RPD Limit
<i>No MS/MSD analyses were performed for this SDG</i>													

Notes:
 % = percent
 MS = matrix spike
 MSD = matrix spike duplicate
 RPD = relative percent difference

Prepared by: TSB
 Checked by: JAM8

**Table 6
Laboratory Control Samples**

Lab Sample ID	Parent Sample	Parameter	LCS % Recovery	LCSD % Recovery	% Recovery Limits	RPD	RPD Limit
<i>All Laboratory Control Sample/Laboratory Control Sample Duplicate recoveries were within control limits for this Sample Delivery Group</i>							

Notes:

% = percent

LCS = laboratory control sample

LCSD = laboratory control sample duplicate

RPD = relative percent difference

Prepared by: TSB

Checked by: JAM8

Table 7
Relative Percent Difference Analysis for Field Duplicate Samples

Sample ID		--	--	RPD	Acceptable?
Parent Sample ID		--	--		
Sample Type		N	FD		
Parameter	Unit	Results	Results		
<i>No field duplicate samples were collected for this Sample Delivery Group</i>					

Notes:

FD = field duplicate

N = normal sample

RPD = relative percent difference

Prepared by: TSB

Checked by: JAM8

**Table 8
Laboratory Qualifiers**

Sample ID	Lab Sample ID	Analytic Method	Parameter	Result	Lab Qualifier	Unit
MGP-SG-EFFEAST-24Q1	L1730244-02	EPA TO-15	Naphthalene	< 6.13	U	ug/m ³
MGP-SG-INFEAST-24Q1	L1730244-01	EPA TO-15	Ethylbenzene	< 1.21	U	ug/m ³
MGP-SG-INFEAST-24Q1	L1730244-01	EPA TO-15	Naphthalene	< 6.13	U	ug/m ³
MGP-SG-INFEAST-24Q1	L1730244-01	EPA TO-15	Styrene	< 1.12	U	ug/m ³
MGP-SG-INFEAST-24Q1	L1730244-01	EPA TO-15	Toluene	< 1.09	U	ug/m ³
MGP-SG-INFEAST-24Q1	L1730244-01	EPA TO-15	Xylene, m & p	< 1.95	U	ug/m ³
MGP-SG-INFEAST-24Q1	L1730244-01	EPA TO-15	Xylene, o	< 1.20	U	ug/m ³
MGP-SG-INFEAST-24Q1	L1730244-01	EPA TO-15	Xylenes, Total	< 1.95	U	ug/m ³

Notes:

< = less than

U = Undetected result

ug/kg = Micrograms per cubic meter

Prepared by: TSB

Checked by: JAM8

**Table 9
Qualified Results from Data Validation**

Sample ID	Lab Sample ID	Method	Parameter	Result	Lab Qualifier	Units	Qualified Result	Validator Qualifier	Explanation
<i>No Qualifiers assigned for this Sample Delivery Group</i>									

Notes:

The laboratory "U" flagged data (i.e. non-detects) are not included in this table but are shown in Table 8; only data restated as non-detected during validation are included here. All J flags, whether lab assigned or validator assigned are included.

Prepared by: TSB
Checked by: JAM8

Attachment 1
Laboratory Report

Foth Infrastructure Solutions

Sample Delivery Group: L1730244
Samples Received: 04/27/2024
Project Number:
Description: Superior Light and Power
Site: UPLAND_2023_RA_AA_AIR_MONITORI
Report To: Jill DeKart
8550 Hudson Blvd. North
Suite 100
Lake Elmo, MN 55042

Entire Report Reviewed By:












Jennifer A McCurdy
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

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SAMPLE SUMMARY

MGP-SG-INFEAST-24Q1 L1730244-01 Air

Collected by: Ethan Vinyard
 Collected date/time: 04/26/24 10:55
 Received date/time: 04/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2276083	1	04/28/24 20:54	04/28/24 20:54	GH	Mt. Juliet, TN

¹Cp

²Tc

³Ss

MGP-SG-EFFEAST-24Q1 L1730244-02 Air

Collected by: Ethan Vinyard
 Collected date/time: 04/26/24 11:00
 Received date/time: 04/27/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2276083	1	04/28/24 21:33	04/28/24 21:33	GH	Mt. Juliet, TN

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Jennifer A McCurdy
Project Manager

Project Narrative

Due to pressure issues, samples L1730244-03, L1730244-04, L1730244-05, are not being reported per client's email. 05/02/24
JM

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.238	0.760	11.9	38.0		1	WG2276083
Ethylbenzene	100-41-4	106	0.278	1.21	ND	ND		1	WG2276083
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2276083
Styrene	100-42-5	104	0.263	1.12	ND	ND		1	WG2276083
Toluene	108-88-3	92.10	0.290	1.09	ND	ND		1	WG2276083
Xylenes, Total	1330-20-7	106.16	0.450	1.95	ND	ND		1	WG2276083
m&p-Xylene	179601-23-1	106	0.450	1.95	ND	ND		1	WG2276083
o-Xylene	95-47-6	106	0.276	1.20	ND	ND		1	WG2276083
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.8				WG2276083

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Benzene	71-43-2	78.10	0.238	0.760	0.328	1.05		1	WG2276083
Ethylbenzene	100-41-4	106	0.278	1.21	1.12	4.86		1	WG2276083
Naphthalene	91-20-3	128	1.17	6.13	ND	ND		1	WG2276083
Styrene	100-42-5	104	0.263	1.12	1.83	7.78		1	WG2276083
Toluene	108-88-3	92.10	0.290	1.09	1.74	6.55		1	WG2276083
Xylenes, Total	1330-20-7	106.16	0.450	1.95	4.24	18.4		1	WG2276083
m&p-Xylene	179601-23-1	106	0.450	1.95	3.03	13.1		1	WG2276083
o-Xylene	95-47-6	106	0.276	1.20	1.21	5.25		1	WG2276083
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		103				WG2276083

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

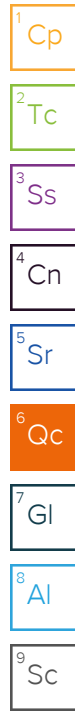
(MB) R4064115-3 04/28/24 10:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Benzene	U		0.0715	0.238
Ethylbenzene	U		0.0835	0.278
Naphthalene	U		0.350	1.17
Styrene	U		0.0788	0.263
Toluene	U		0.0870	0.290
Xylenes, Total	U		0.135	0.450
m&p-Xylene	U		0.135	0.450
o-Xylene	U		0.0828	0.276
(S) 1,4-Bromofluorobenzene	89.4			60.0-140

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4064115-1 04/28/24 08:49 • (LCSD) R4064115-2 04/28/24 09:29

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ppbv	ppbv	ppbv	%	%	%			%	%
Benzene	3.75	4.43	4.38	118	117	70.0-130			1.14	25
Ethylbenzene	3.75	4.13	4.13	110	110	70.0-130			0.000	25
Naphthalene	3.75	3.49	3.72	93.1	99.2	70.0-159			6.38	25
Styrene	3.75	3.91	4.05	104	108	70.0-130			3.52	25
Toluene	3.75	4.33	4.35	115	116	70.0-130			0.461	25
Xylenes, Total	11.3	12.1	12.4	107	110	70.0-130			2.45	25
m&p-Xylene	7.50	8.11	8.31	108	111	70.0-130			2.44	25
o-Xylene	3.75	4.00	4.13	107	110	70.0-130			3.20	25
(S) 1,4-Bromofluorobenzene				97.5	98.9	60.0-140				



GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

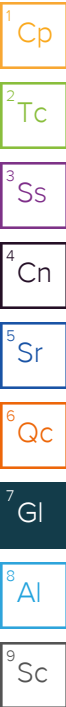
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.





CHAIN-OF-CUSTODY / Analytical Request Document

L-132

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

Page: **1** of **1**

COC Number: **SG-20240426-1**

Company: Foth		Report To: Jill Dekart (jill.dekart@foth.com)		Requested Due Date:		Quote Reference: 158012	
Address: 2121 Innovation Court, Suite 100		Copy To: Hannah Possehl (hannah.possehl@foth.com); Scott Barton		*TAT: Standard - 10 days		Project Manager: Pace - Tod.notlemeyer@pacelabs.com; Foth - Steve Krul - steve.krul@foth.com	
De Pere, WI 54115-5095		Invoice To: Steve Krul				Project Task Code: 24Q1_LongTerm Monitoring	
Phone: 414-336-7900	Fax: (920) 497-8516	P.O. IE-P00002448				Pace Profile #:	
Email Address: Jill Dekart (jill.dekart@foth.com)		Project Name: Superior Water Light & Power		Regulatory Agency:		Sampling Team Members:	
Site License No.:		Project Number: 18S024		State Location: WI			

ITEM NUMBER	SAMPLE ID* = MGP-SG-XXX-YYYYMMDD, where "XXX" is sample location". EX. MGP-SG-XXX-20230701	Valid Matrix Codes		MATRIX CODE	SAMPLE TYPE G = Grab C = Composite	DATE COLLECTED MM/DD/YYYY	TIME COLLECTED (Military time)	Preservatives							Requested Analysis				REMARKS / Lab ID			
		Matrix	Code					# Containers	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	TO-15						Filtered (Y/N)
1	MGP-SG-INFEAST-24Q1	AA	C	4/26/2024	1055	1									X						-01	
2	MGP-SG-EFFEAST-24Q1	AA	C	4/26/2024	1100	1									X							-02
3	MGP-SG-INFWEST-24Q1	AA	C	4/26/2024	1028	1									X							-03
4	MGP-SG-EFFWEST-24Q1	AA	C	4/26/2024	1038	1									X							-04
5	MGP-SG-FD-1	AA	C	4/26/2024	1028	1									X							-05
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Sample Receipt Checklist

COC Seal Present/Intact: Y N

COC Signed/Accurate: Y N

Bottles arrive intact: Y N

Correct bottles used: Y N

Size: 1L 5 6L 1.4L

Tube Color: G W Z P B

Tubing Shunt

Unused: _____ T/P#: _____

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS	ITEM #	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
FedEx	724107132860/ 724107132870	4/26/2024	2		<i>Ethan Vinyard</i>	4/26/24	1300		4/27/24	0900

SAMPLE CONDITION:

Temp in C	
Received on Ice	Y / N
Sealed Cooler	Y / N
Sample Intact	Y / N

SAMPLE NOTES:
BETX, (X as total, o-, m-, p-), naphthalene, styrene

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Ethan Vinyard

SIGNATURE of SAMPLER: *Ethan Vinyard*

DATE Signed: 4/26/24

Additional Comments:
* Sample ID goes in as sys_sample_code in EDD

Appendix C

Daily Weather Data

Q1 2024 Daily Weather Data

Date	Average Daily Wind Speed	Average Daily Wind Direction	Average Daily Temperature
1/1/2024	10.10	234.03	22.03
1/2/2024	6.85	227.57	29.96
1/3/2024	6.82	276.53	24.25
1/4/2024	3.57	139.58	18.11
1/5/2024	3.04	61.67	26.06
1/6/2024	1.96	112.96	30.01
1/7/2024	5.51	248.33	19.74
1/8/2024	3.53	55.97	21.92
1/9/2024	4.71	164.31	28.63
1/10/2024	0.60	39.03	25.72
1/11/2024	4.96	178.33	18.79
1/12/2024	6.46	202.50	8.68
1/13/2024	10.00	328.47	6.79
1/14/2024	10.99	273.89	-2.42
1/15/2024	11.01	247.92	-5.85
1/16/2024	10.14	238.61	-0.01
1/17/2024	6.18	247.36	3.42
1/18/2024	3.38	181.11	-2.43
1/19/2024	5.39	283.61	0.29
1/20/2024	5.35	220.00	0.92
1/21/2024	12.22	214.72	16.31
1/22/2024	2.47	78.47	23.89
1/23/2024	4.18	55.00	28.31
1/24/2024	3.69	132.50	32.44
1/25/2024	0.08	2.92	33.39
1/26/2024	0.47	25.14	34.39
1/27/2024	4.74	221.11	33.36
1/28/2024	5.51	171.11	32.29
1/29/2024	8.60	246.39	33.96
1/30/2024	4.75	226.94	34.53
1/31/2024	8.44	222.50	37.04
2/1/2024	5.72	67.61	32.43
2/2/2024	4.85	67.92	29.28
2/3/2024	0.61	35.28	26.49
2/4/2024	2.56	117.78	30.21
2/5/2024	1.58	76.67	32.14
2/6/2024	0.61	34.86	32.46
2/7/2024	7.57	44.44	35.63
2/8/2024	5.35	76.76	38.83
2/9/2024	12.50	274.60	27.12
2/10/2024	9.67	265.28	25.11
2/11/2024	6.03	174.79	28.97
2/12/2024	7.61	267.32	29.64
2/13/2024	2.85	76.25	26.68
2/14/2024	5.24	203.68	31.54
2/15/2024	10.69	308.19	23.60
2/16/2024	10.38	295.92	11.83
2/17/2024	12.69	251.53	22.88
2/18/2024	8.47	247.18	27.43
2/19/2024	5.44	38.19	24.36

Q1 2024 Daily Weather Data (continued)

Date	Average Daily Wind Speed	Average Daily Wind Direction	Average Daily Temperature
2/20/2024	4.13	55.21	31.21
2/21/2024	2.18	108.89	33.32
2/22/2024	7.06	188.84	38.89
2/23/2024	8.31	90.71	22.17
2/24/2024	9.13	174.86	24.13
2/25/2024	8.43	256.25	34.39
2/26/2024	4.28	69.58	33.24
2/27/2024	10.03	177.22	25.26
2/28/2024	10.96	295.83	7.58
2/29/2024	6.67	57.08	14.68
3/1/2024	6.35	110.97	37.01
3/2/2024	6.82	42.64	35.25
3/3/2024	13.21	85.14	36.93
3/4/2024	8.81	257.32	34.43
3/5/2024	3.32	79.31	28.24
3/6/2024	12.44	65.77	34.71
3/7/2024	7.35	208.75	37.17
3/8/2024	5.18	262.71	28.13
3/9/2024	8.67	300.74	29.24
3/10/2024	2.39	70.85	27.71
3/11/2024	2.13	81.25	40.07
3/12/2024	5.89	174.31	47.01
3/13/2024	2.72	64.31	40.11
3/14/2024	7.77	48.73	35.54
3/15/2024	9.32	212.00	39.15
3/16/2024	16.57	308.31	35.65
3/17/2024	14.13	319.42	23.23
3/18/2024	10.31	272.96	26.86
3/19/2024	13.47	295.42	35.06
3/20/2024	10.76	313.48	19.94
3/21/2024	2.10	109.68	22.62
3/22/2024	6.03	195.42	26.93
3/23/2024	2.63	131.39	23.11
3/24/2024	8.28	67.64	27.74
3/25/2024	15.69	65.63	32.51
3/26/2024	13.32	229.01	24.44
3/27/2024	11.60	253.33	21.60
3/28/2024	7.51	212.54	26.18
3/29/2024	6.80	40.85	26.59
3/30/2024	4.80	112.12	34.85
3/31/2024	2.91	140.14	35.91
4/1/2024	10.08	61.83	34.06
4/2/2024	8.47	52.78	34.18
4/3/2024	13.04	79.30	40.03
4/4/2024	6.46	43.52	39.25
4/5/2024	5.26	36.18	34.04
4/6/2024	10.65	58.06	36.28
4/7/2024	11.43	61.69	37.67
4/8/2024	7.64	39.44	37.33
4/9/2024	7.04	196.20	47.25
4/10/2024	3.18	66.94	45.06
4/11/2024	5.60	170.72	46.69

Q1 2024 Daily Weather Data (continued)

Date	Average Daily Wind Speed	Average Daily Wind Direction	Average Daily Temperature
4/12/2024	9.81	237.75	46.58
4/13/2024	5.13	33.47	40.39
4/14/2024	8.71	253.52	51.71
4/15/2024	5.08	89.00	48.24
4/16/2024	15.99	60.00	39.60
4/17/2024	11.07	133.47	40.82
4/18/2024	12.83	250.83	42.58
4/19/2024	13.13	264.86	35.03
4/20/2024	10.94	284.31	37.60
4/21/2024	8.31	252.39	46.31
4/22/2024	10.06	216.39	51.94
4/23/2024	6.93	126.86	41.60
4/24/2024	6.25	39.30	33.92
4/25/2024	8.21	51.69	38.00
4/26/2024	8.88	57.46	41.78
4/27/2024	8.36	148.89	44.83
4/28/2024	16.71	61.53	37.49
4/29/2024	13.42	53.52	36.63
4/30/2024	2.51	67.20	42.47

Notes: Weather data is taken from Richard I Bong Airport in Superior, WI

Appendix D

Historical Site Data

Pre-Excavation and Post-Excavation Groundwater Quality Compared

Well #	Location	Benzene (µg/L)		Naphthalene (µg/L)		Benzo(a)pyrene (µg/L)	
		Pre-Exc.	Post-Exc.	Pre-Exc.	Post-Exc.	Pre-Exc.	Post-Exc.
Enforcement Standard		5.00		100.00		0.20	
MW-1	Upgradient	<0.16	<0.3	<0.012	0.02	<0.0025	<0.012
MW-2	Upgradient	<0.16	<0.3	<0.012	<0.019	<0.0025	<0.012
MW-5	Upgradient	<0.16	<0.3	1.30	0.68	<0.0025	<0.012
MW-13	Upgradient	<0.16	0.44	<0.012	2.30	<0.0025	0.46
MW-14	Upgradient	<0.16	<0.3	<0.012	<0.02	<0.0094	0.05
MW-3B	Area 1	New	796	New	475	New	<0.61
MW-4B	Area 2	New	<0.3	New	<0.02	New	<0.012
MW-30	Downgradient Area 1	New	<0.3	New	0.05	New	0.02
MW-31	Downgradient Area 2	New	<0.3	New	0.07	New	<0.013
MW-27	Downgradient FMGP Bldg	New	40.6	New	0.14	New	<0.013
MW-8R	In Biosparge Area D	New	112,000	New	870	New	<1.3
MW-9	In Biosparge Area D	15,100	5,190	594	661	0.44	<0.98
MW-6R	Near Biosparge Area C	New	10,800	New	2,050	<0.0025	<3.8
MW-7R	In Biosparge Area C	New	27.20	New	<0.02	<1.0	<0.013
MW-10	In Biosparge Area B	12,000	82.7	90.6	0.82	0.13	0.21
MW-20R	Downgradient Area B	New	66.8	New	20.5	<0.0025	0.03
MW-12	Downgradient Area B	10	0.39	1.80	0.29	0.02	0.03
MW-28	In Biosparge Area A	New	<0.3	New	0.08	New	<0.012
MW-11	Downgradient Area A	<0.16	<0.3	0.26	0.15	<0.0025	0.08
MW-22	Near Lakehead Concrete	4.60	2.6	0.44	0.57	<0.0025	0.02
MW-29	Near Lakehead Concrete	New	193	New	87.9	New	0.77
MW-15	Between C-Slip and WWTP	<0.16	<0.3	0.12	0.27	0.37	0.17
MW-16	Superior WWTP Pond	<0.16	<0.3	<0.012	0.07	<0.0025	0.01
MW-17	Superior WWTP Area	<0.16	<0.3	<0.012	0.02	<0.0025	<0.013
MW-21	Superior WWTP Area	<0.16	<0.3	<0.012	<0.02	<0.0025	<0.013

µg/L = microgram per liter

Appendix E

SVE and Biosparge Field Data

**Biosparge System Field Data
SWL&P Upland Remedial Action
Superior, WI**

Date: 4/23/2024

By: Ben Koffour

Weather Conditions: Cloudy

Time: 1530

BIOSPARGE SYSTEM MONITORING

Manifold	Valve (% Open)	Velocity ¹ (ft/min)	Temperature ¹ (°F)	Humidity ³ (%)	Flow Rate ¹ (scfm)	Pressure ² (In- H ₂ O)	Compressor Total Hours
EAST BIOSPARGE SYSTEM							--
Manifold 1-2-3 Discharge	50	2822	172	--	13853	111.4	
Manifold 4-5 Discharge	50	3214	177.7	--	157.76	114.1	
Discharge to Atmosphere	0	10	95.3	--	0.48	0	
Compressor Discharge	100	--	177	--	3.4	117.4	
WEST BIOSPARGE SYSTEM							--
Manifold 6-7-8	30	3368	65.1	--	165.33	23.47	
Manifold 9 Discharge	0.0	0	--	--	--	0.0	
Manifold 11-12-13 Discharge	25	3230	65.9	--	158.53	11.7	
Manifold 14-15-16 Discharge	25	2134	66.9	--	104.75	57.65	
Discharge to Atmosphere	30	1983	68.2	--	97.36	0.6	
Compressor Discharge	100						

¹ Measured in air with Velocicalc meter.

² Measured in air with Pitot Tube, Magnahelic and/or other installed pressure gauges.

**Biosparge System Field Data
SWL&P Upland Remedial Action
Superior, WI**

Date: 4/25/2024

By: Ben Koffour

Weather Conditions: Cloudy

Time: 1004

BIOSPARGE SYSTEM MONITORING

Manifold	Valve (% Open)	Velocity ¹ (ft/min)	Temperature ¹ (°F)	Humidity ³ (%)	Flow Rate ¹ (scfm)	Pressure ² (In- H ₂ O)	Compressor Total Hours
EAST BIOSPARGE SYSTEM							
Manifold 1-2-3 Discharge	--	--	--	--	--	--	--
Manifold 4-5 Discharge	--	--	--	--	--	--	--
Discharge to Atmosphere	--	--	--	--	--	--	--
Compressor Discharge	--	--	--	--	--	--	--
WEST BIOSPARGE SYSTEM							219.40
Manifold 6-7-8	30	4041	129.7	--	198.38	71.82	
Manifold 9 Discharge	0.0	2	72.1	--	0.1	0.0	
Manifold 11-12-13 Discharge	30	3916	120.2	--	192.22	74.52	
Manifold 14-15-16 Discharge	0.0	0	61.3	--	0	0	
Discharge to Atmosphere	20	3415	93	--	167.65	0.1	
Compressor Discharge	100						

¹ Measured in air with Velocicalc meter.

² Measured in air with Pitot Tube, Magnahelic and/or other installed pressure gauges.

**Biosparge Well Pressure Data
SWL&P Upland Remedial Action
Superior, WI**

Date: 4/23/2024 - 4/25/2024

By: B Symons

Weather Conditions: Cloudy, Windy, 35°F

Time: 1620/1010

Air Sparging Wells

Well ID	Parameter	
	Control Panel Pressure (psi)	Comment ²
AREA A¹ WELLS = 25		
B-A- 2	4.5	
B-A- 3	3.5	
B-A- 4	4.0	Was OFF
B-A- 5	4.5	
B-A- 6	3.5	
B-A- 7	4.0	
B-A- 8	3.5	
B-A- 11	4.0	
B-A- 12	3.5	
B-A- 13	4.0	
B-A- 14		Leak
B-A- 15	4.5	
B-A- 16	4.0	
B-A- 17	3.0	
B-A- 18		OFF
B-A- 19		Turned ON
B-A- 20		OFF
B-A- 21	4.5	
B-A- 22	4.5	
B-A- 23		Leak
B-A- 24	4.0	
B-A- 25	4.5	No Gauge
B-A- 26	5.5	
B-A- 27	5.0	
B-A- 28	5.0	

AREA B¹ WELLS = 22		
Well ID	Control Panel Pressure (psi)	Comment ²
B-B- 1	3.5	
B-B- 2	3.0	
B-B- 3	3.5	
B-B- 4	5.0	
B-B- 5	4.5	
B-B- 6	4.0	
B-B- 7	3.0	

Well ID	Parameter	
	Control Panel Pressure (psi)	Comment ²
B-B- 8	3.5	
B-B- 9	4.0	
B-B- 10	4.5	
B-B- 11	4.0	
B-B- 12	Not Installed	
B-B- 13	4.0	
B-B- 14	4.0	
B-B- 15	4.0	
B-B- 16	4.0	
B-B- 17	4.0	
B-B- 18	4.0	
B-B- 19	4.0	
B-B- 20	4.0	
B-B- 21	4.0	
B-B- 22	4.5	

AREA C WELLS = 29		
Well ID	Control Panel Pressure (psi)	Comment ²
B-C- 1	2.0	Bad gauge
B-C- 2	1.0	Bad gauge
B-C- 3	1.5	Bad gauge
B-C- 4	2.5	
B-C- 5	1.5	
B-C- 6	2.0	
B-C- 7	2.5	
B-C- 8	2.5	
B-C- 9	2.5	
B-C- 10	2.2	
B-C- 11	1.0	
B-C- 12	3.0	
B-C- 13	2.0	
B-C- 14	Free Product	
B-C- 15	3.0	No Gauge
B-C- 16	2.0	
B-C- 17	2.0	
B-C- 18	2.5	Bad gauge

Well ID	Parameter	
	Control Panel Pressure (psi)	Comment ²
B-C- 19	2.5	Bad gauge
B-C- 20	2.5	Bad gauge
B-C- 21	2.0	
B-C- 22	0	OFF
B-C- 23	0	OFF
B-C- 24	0	OFF
B-C- 25	0	OFF
B-C- 26	0	OFF
B-C- 27	0	OFF
B-C- 28	0	OFF
B-C- 29	0	OFF

AREA D WELLS = 54		
Well ID	Control Panel Pressure (psi)	Comment ²
B-D- 1	2.5	
B-D- 2	2.0	
B-D- 3	2.0	
B-D- 4	3.0	
B-D- 5	2.0	
B-D- 6	2.5	
B-D- 7	2.0	
B-D- 8	1.5	
B-D- 9	1.5	
B-D- 10	2.0	
B-D- 11	2.5	
B-D- 12	2.0	
B-D- 13	2.0	
B-D- 14	3.0	
B-D- 15	2.0	
B-D- 16	2.0	
B-D- 17	2.5	
B-D- 18	2.0	
B-D- 19	2.0	
B-D- 20	2.0	
B-D- 21	Not Accessable	

Well ID	Parameter	
	Control Panel Pressure (psi)	Comment ²
B-D- 22	Not Accessable	
B-D- 23	Not Accessable	
B-D- 24	2.0	
B-D- 25	2.0	
B-D- 26	1.5	
B-D- 27	1.5	
B-D- 28	2.7	
B-D- 29	1.5	
B-D- 30	2.5	
B-D- 34	0	OFF
B-D- 35	0	OFF
B-D- 36	0	OFF
B-D- 37	0	OFF
B-D- 38	Free Product	
B-D- 39	0	OFF
B-D- 40	0	OFF
B-D- 44	0	OFF
B-D- 45	0	OFF
B-D- 46	0	OFF
B-D- 47	0	OFF
B-D- 48	0	OFF
B-D- 49	0	OFF
B-D- 50	0	OFF
B-D- 54	0	OFF
B-D- 55	0	OFF
B-D- 56	0	OFF
B-D- 57	0	OFF
B-D- 58	0	OFF
B-D- 59	0	OFF
B-D- 60	0	OFF
B-D- 61	0	OFF
B-D- 62	0	OFF
B-D- 63	0	OFF
130	Total Biosparge Wells	

Soil Vapor Extraction System Performance Data Collection Form
SWL&P Upland Remedial Action
Superior, WI

Date: 4/23/24 & 4/25/2024

By: Ben Koffour/Ethan Vinyard

Weather Conditions: Cloudy & Sunny

SOIL VAPOR EXTRACTION WELL MONITORING

Location	Date	Time	Temperature ¹ (°F)	Humidity ⁵ (%)	Velocity ¹ (ft/min)	Flow Rate ¹ (cfm)	Subsurface Air Vacuum/Pressure ² (In-H ₂ O)	Hydrocarbon Concentration ³ (ppm)	Lower Explosive Limit ⁴ (%)	Subsurface Oxygen ⁴ (%)	Subsurface Carbon Monoxide (CO) ⁴ (%)
EAST SVE SYSTEM											
Manifold 1-2-3	4/23/24	1615	45.6	--	1928	168.28	-6.20	0.4	0	20.4	0
Manifold 4-5	4/23/24	1610	47.5	--	161	14.02	-5.60	0.0	7	16.5	21.0
Dilution Air Intake	4/23/24	1620	34.7	--	2822	246.26	-0.80	0.0	2	21.2	0
Total at Manifold	4/23/24			--							
Influent to GAC1	4/23/24	1655	56.6	--	--	2.50		0.0	3	21.3	0
Influent to GAC2	4/23/24	1645		--			-2.60	0.0	1	20.9	0
Treated Discharge	4/23/24			--				0.2	Weighted average of Manifold data.		
								5.7	Weighted average of HW data.		
					Sum of HW	305.60					
HW-1	4/23/24	320	44.3	--	870	76.60	-3.65	0.6	2	21.6	0
HW-2	4/23/24	853	47.3	--	775	67.50	-3.64	2.7	2	21.3	0
HW-3	4/23/24	901	46.5	--	1070	93.20	-2.95	7.1	2	20.9	0
HW-4	4/23/24	846	48.8	--	395	36.00	-1.27	17.2	3	19.8	0
HW-5	4/23/24	910	48.6	--	370	32.30	-1.38	7.0	2	20.9	0
WEST SVE SYSTEM											
Manifold 6,7,8	4/23/24	1209	51.6	--	956	187.67	-10.23	5.2	3	20.9	0.0
Manifold 9	4/23/24	1206	59.3	--	227	44.63	-40.75	82.8	4	19.4	0.0
Manifold 11-12-13	4/23/24	1203	57.0	--	598	117.44	-4.38	216.6	2	20.9	0.0
Manifold 14-15-16	4/23/24	1159	66.3	--	868	170.51	-39.90	306.6	3	18.6	0.0
Dilution Air Intake	4/23/24	1154	65.4	--	1.0	0.14	0.11				
Total at Manifold	4/23/24	1230					-38.57		3	20.9	0.0
Influent to GAC1	4/23/24	1235			Sum of	520.39		9.07	3	20.9	0.0
Influent to GAC2	4/23/24										
Treated Discharge	4/23/24										
					Sum of HW	NA		158.3	Weighted average of Manifold data.		
									Weighted average of HW data.		
WEST SVE SYSTEM											
Manifold 6,7,8	4/25/24	1058	49.6	--	1052	206.64	-15.36	37.6	2	20.9	0.0
Manifold 9	4/25/24	1053	51.1	--	139	27.27	-23.19	185.4	3	19	0.0
Manifold 11-12-13	4/25/24	1049	47.9	--	1841	361.55	-16.12	240.5	2	20.9	0.0
Manifold 14-15-16	4/25/24	1046	63.2	--	260	51.09	-22.98	126.8	1	19.8	0.0
Dilution Air Intake	4/25/24	1040	65.9	--	0.0	0.00	0.09	0.0	0	20.9	0.0
Total at Manifold	4/25/24	1101					-24.87		2	20.9	0.0
Influent to GAC1	4/25/24										
Influent to GAC2	4/25/24						6.93	0.0	1.0	20.9	0.0
Treated Discharge	4/25/24										
					Sum of HW	544.00		164.3	Weighted average of Manifold data.		
								122.6	Weighted average of HW data.		
HW-6	4/25/24	1304	918	--	60.8	45.08	-9.02	10.1	2	20.9	0.0
HW-7	4/25/24	1256	3690	--	48.6	181.12	-7.10	6.0	1	20.9	0.0
HW-8	4/25/24	1249	1030	--	47.6	50.54	-10.11	0.3	1	20.9	0.0
HW-9	4/25/24	1407	484	--	52.5	23.76	-0.16	242	2	20.7	0.0
HW-11	4/25/24	1401	739	--	49.2	36.27	-3.22	104	4	20.9	0.0
HW-12	4/25/24	1349	2410	--	43.0	118.31	-4.20	296	1	21.3	0.0
HW-13	4/25/24	1339	1619	--	44.0	79.50	-4.84	245	1	20.9	0.0
HW-14	4/25/24	1335	49	--	50.2	2.38	-0.44	159	1	21.4	0.0
HW-15	4/25/24	1324	22	--	56.7	1.07	-0.12	159	2	19.1	0.0
HW-16	4/25/24	1320	122	--	56.6	5.97	-2.60	98.6	1	20.8	0.0

Notes:

¹ Measured in vapor with Velocicalc meter.

² Measured in air with Pitot Tube, Magnahelic and/or other installed pressure gauges.

³ Measured in vapor with Mini-RAE PID meter.

⁴ Measured in vapor with Multi-RAE meter with LEL, O₂/CO/CH₄ sensors.

Soil Vapor Extraction System Performance Data Collection Form
SWL&P Upland Remedial Action
Superior, WI

Date: 4/23/24 to 4/25/24

By: Ben Kuffour/Brian Symons

Weather Conditions: Cool ~43°F, Windy, Cloudy, Humid

SOIL VAPOR POINT MONITORING

Location	Depth	Date	Time	Subsurface Air Pressure ¹ (In-H ₂ O)	Hydrocarbon Concentration ² (ppmV)	Subsurface Oxygen ³ (%)	Lower Explosive Limit ³ (%)	Subsurface Carbon Monoxide (CO) ³ (%)	Temperature ⁴ (°F)	
EAST SVE/BIOSPARGE SYSTEM (AREAS A & B) (15 SOIL VAPOR POINTS)										
VMP-	1	s	4/24/2024	0827	0.00	Water				47.7
VMP-	2	s	4/24/2024	0910	0.50	51	9.2	29.0	16.5	43.5
VMP-	3	s	4/24/2024	0915	0.00	6.9	20.9	2.0	0.0	47.0
VMP-	4	s	4/24/2024	0920	0.00	0.6	10.9	2.0	0.0	50.7
VMP-	6	s	4/24/2024	0907	0.00	0.0	8.9	5.0	0.0	44.7
VMP-	7	s	4/24/2024	0903	-0.60	0.0	20.9	2.0	0.0	41.3
VMP-	8		Damaged							
VMP-	9	s	4/23/2024	1757	0.00	0.0	20.9	1.0	0.0	48.3
VMP-	10	s	4/23/2024	1752	-0.50	0.9	0.0	4.0	0.0	48.6
VMP-	11	s	4/23/2024	1603	0.00	0.0	21.2	0.0	0.0	47.8
VMP-	12		Damaged							
VMP-	13	s	4/24/2024	0840	0.60	5.5	15.1	3.0	2.9	45.7
VMP-	14	s	4/24/2024	0845	0.70	0.1	19.8	3.0	0.0	44.7
VMP-	15	s	4/24/2024	0850	0.00	12.6	20.9	3.0	0.0	41.3
VMP-	16	s	4/24/2024	0856	0.00	0.1	20.9	3.0	0.0	42.0
WEST SVE/BIOSPARGE SYSTEM (AREAS C & D) (18 SOIL VAPOR POINTS) SHALLOW VMP										
VMP-	17	s	4/25/2024	1524	0.00	35.8	0.4	1.0	0.0	43.5
VMP-	18	s	4/25/2024	Under Parked Cement Truck						
VMP-	19	s	4/25/2024	1610	-0.10	0.6	1.3	1.0	0.0	49.3
VMP-	20	s	4/25/2024	1623	-0.71	3.60	20.6	1.0	0.0	46.4
VMP-	21	s	4/25/2024	Removed/Gone						
VMP-	22	s	4/25/2024	1702	-1.55	1.0	19.0	1.0	0.0	45.5
VMP-	23	s	4/25/2024	Under Concrete Block						
VMP-	24	s	4/25/2024	1718	-0.29	6.8	1612	2.0	0.0	--
VMP-	25	s	4/25/2024	1654	-0.35	18.1	18.0	3.0	0.0	46.1
VMP-	26	s	4/25/2024	Under Parked Cement Truck						
VMP-	28	s	4/25/2024	1642	-0.33	3.2	20.9	2.0	0.0	43.4
VMP-	29	s	4/25/2024	Concrete						
VMP-	30	s	4/25/2024	1537	-0.24	6.3	8.6	1.0	0.0	45.1
VMP-	31	s	4/25/2024	1546	-0.13	6.7	20.2	3.0	0.0	44.0
VMP-	32	s	4/25/2024	1511	-0.11	635	20.9	1.0	0	43.1
VMP-	33	s	4/25/2024	1733	0.00	Water				42.9
VMP-	34	s	4/25/2024	1454	-0.14	0	20.9	1.0	0	47.6
VMP-	35	s	4/25/2024	1418	0.00	0.6	15.2	1.0	0.0	47.0
SVE/BI										
VMP-	17	d	4/25/2024	1524	-0.15	28.9	3.1	1.0	0.0	43.3
VMP-	18	d	4/25/2024	Under Parked Cement Truck						
VMP-	19	d	4/25/2024	1610	0.0	6.1	1.8	1.0	0.0	20.1
VMP-	20	d	4/25/2024	1623	-0.83	190.0	21.4	1.0	0.0	46.1
VMP-	21	d	4/25/2024	Removed/Gone						
VMP-	22	d	4/25/2024	1702	-2.28	190	21.4	1.0	0.00	46.7
VMP-	23	d	4/25/2024	Under Parked Cement Truck						
VMP-	24	d	4/25/2024	1715	-0.61	220	21.2	1.0	0.00	45.5
VMP-	25	d	4/25/2024	1654	0.00	Water				46.2
VMP-	26	d	4/25/2024	Under Concrete Block						
VMP-	28	d	4/25/2024	1642	-0.37	2.8	13.7	4.0	0.0	42.7
VMP-	29	d	4/25/2024	Under Parked Cement Truck						
VMP-	30	d	4/25/2024	1537	-0.49	5.1	20.9	1.0	0.0	42.3
VMP-	31	d	4/25/2024	1546	-0.11	218	20.9	1.0	0.0	44.7
VMP-	32	d	4/25/2024	1514	-0.12	2363	20.9	1.0	0	43.1
VMP-	33	d	4/25/2024	1733	0.00	Water				43.1
VMP-	34	d	4/25/2024	1507	-0.12	0	20.9	1.0	0.00	46.0
VMP-	35	d	4/25/2024	1447	1.95	0.7	15.2	1.0	0.0	47.9

Notes:

¹ Measured in air with magnhelic/differential pressure meter.

² Measured in vapor with Mini-RAE PID meter.

³ Measured in vapor with Multi-RAE meter with LEL,O₂/CO/CH₄ sensors.

⁴ Measured in vapor using temperature probe and meter.