6720 South Macadam Avenue, Suite 300
Portland, Oregon 97219
503.670.1108

ANCHOR QEA

Memorandum

June 21, 2023

To: Wesley Thomas, Oregon Department of Environmental Quality

From: John Renda, Anchor QEA, LLC

cc: Bob Wyatt, NW Natural; Patty Dost, Pearl Legal Group; Rob Ede, Hahn and Associates, Inc.; Halah Voges, Mike Gefell, and Ryan Barth, Anchor QEA, LLC

ECSI No. 84

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Re: LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022

This memorandum documents the second through fourth quarter 2022 monitoring activities associated with the NW Natural Gasco site Liquefied Natural Gas (LNG) Basin retrofit and post-lease termination conditions at the Former Koppers Basin. A Fill Water-Bearing Zone (WBZ) interceptor trench system was installed to control groundwater downgradient of the LNG Basin and began operation in March 2021. This memorandum provides an evaluation of groundwater hydrology and water quality in the Fill WBZ and describes the performance of the trench system. Locations of the monitoring wells used in this evaluation and the trench system are shown in Figure 1.

Introduction

Two construction projects were completed within the Former Gasco Manufactured Gas Plant Operable Unit (Gasco OU) in 2018. NW Natural implemented one project, and its former tenant, Koppers Inc., performed another. These projects are summarized as follows:

- NW Natural modified the LNG Basin by installing an impermeable liner in the basin to eliminate seepage of groundwater into the basin and to separate groundwater from stormwater. Prior to the modifications, combined groundwater and stormwater were pumped from a single sump located at the southeastern edge of the basin. Water was last pumped out of the unlined LNG Basin in October 2018.
- In July 2018, Koppers completed demolition and decommissioning of its lease area, which included changes to stormwater management.[1]

[1] Decommissioning activities related to stormwater management included the removal of catch basins and piping so that stormwater can infiltrate through the ground surface into the Fill WBZ, rather than being directed to the Former Koppers Basin. Post-demolition, the only water that accumulates within the Former Koppers Basin is precipitation that falls directly into the basin and shallow Fill WBZ groundwater (during the wet season) that seeps into the basin from underlying fill soils.

These projects are described in detail in the *LNG Basin and Koppers Basin Groundwater Evaluation Baseline Data Report* (Baseline Data Report; Anchor QEA 2019a).

The Oregon Department of Environmental Quality (DEQ) requested an assessment of the potential effects of these two projects on Fill WBZ groundwater hydrology and contaminant flux to the Willamette River at the Gasco site. The projects and any associated effects were specific to the Fill WBZ. The groundwater flow pathway to the river from the Alluvium WBZs is interrupted and controlled by the hydraulic control and containment (HC&C) system; therefore, NW Natural and DEQ agreed that evaluation of the Alluvium WBZs was not required for this assessment. A groundwater monitoring program associated with these projects was developed in conjunction with DEQ and implemented beginning in 2018 (Anchor QEA 2018a; DEQ 2018). The monitoring program included the installation of four monitoring wells (MW-46F, MW-47F, MW-48F, and MW-49F) downgradient of the LNG Basin and Former Koppers Basin, installation of pressure transducers in new and existing wells, groundwater sampling and analyses, and installation of a staff gage and piezometer in the Former Koppers Basin.

In April and May 2018, four monitoring wells (MW-46F, MW-47F, MW-48F, and MW-49F) were installed as part of the DEQ-approved monitoring program (Figure 1). Monitoring well MW-46F was installed immediately downgradient of the Former Koppers Basin. Monitoring wells MW-47F, MW-48F, and MW-49F were installed immediately downgradient of the LNG Basin. Piezometer PZ-KB1 was installed in the Former Koppers Basin. Pressure transducers (In-Situ Level TROLL 500 Data Logger, 15 pounds per square inch) were installed in the four new wells (MW-46F, MW-47F, MW-48F, and MW-49F) and five additional monitoring wells (MW-08-29, MW-09-29, MW-43F, MW-44F, and MW-45F). Monitoring wells MW-10-25, MW-11-32, and MW-12-36 were already fitted with transducers and are also monitored as part of this program.[2] The pressure transducers were programmed to continuously record water levels at 15-minute intervals, and calibration checks are performed monthly. Locations of the monitoring wells with pressure transducers are shown in Figure 1.

The results of the baseline monitoring conducted in the second and third quarters of 2018 prior to the completion of the modifications were reported in the Baseline Data Report (Anchor QEA 2019a). Results of monitoring conducted following site modifications have been evaluated in quarterly reports since 2018 (Anchor QEA 2019b, 2019c, 2019d, 2020a, 2020b, 2020c, 2021a, 2021b, 2022a, 2022b). In the third quarter 2019 monitoring report submitted to DEQ in February 2020 (Anchor QEA 2020a), an increase in total benzene, toluene, ethylbenzene, and xylenes (BTEX) and total volatile organic compound (VOC) concentrations was noted (due primarily to benzene concentrations) in

[2] Pressure transducers were installed in monitoring wells MW-10-25 and MW-11-32 in February 2016, and MW-12-36 was installed in April 2016. All of the wells in the monitoring network for this program are screened in the Fill WBZ except MW-09-29 and MW-12-36, which are screened in the Upper Alluvium WBZ. The Upper Alluvium WBZ wells are being monitored at the request of DEQ to provide data along the upgradient site boundary where the fill unit is thinner and typically dry.

some of the Fill WBZ monitoring wells downgradient of the LNG Basin. Based on these findings, NW Natural recommended action to offset the change in hydraulic conditions resulting from the LNG Basin retrofit.

In April 2020, DEQ directed NW Natural to implement an LNG Tank Basin, Fill WBZ Removal Action to consist of a groundwater interceptor trench system and a network of piezometers and monitoring wells to monitor the performance of the interceptor trench system (DEQ 2020a). The stated removal action objective (RAO) is to prevent or minimize the following:

- Future releases of manufactured gas plant contamination in the Fill WBZ by intercepting and controlling groundwater migrating from under the LNG Basin
- Mobilization and migration of existing groundwater contamination in the Fill WBZ in the vicinity of the LNG Basin to the river

The "Revised Fill WBZ Trench Interim Measure Field Investigation Plan" memorandum, which outlined data collection to support the design of the Fill WBZ trench system, was submitted to DEQ on April 30, 2020 (Anchor QEA 2020d) and was approved in a May 1, 2020, email (DEQ 2020b). The field work was completed on May 7, 2020. The *Fill Water-Bearing Zone Trench Design* (Fill WBZ Trench Design) was submitted to DEQ on August 13, 2020. DEQ approved the principal elements of the trench design in a September 2, 2020, email (DEQ 2020c) with comments. The Fill WBZ Trench Design was resubmitted on September 28, 2020 (Anchor QEA 2020e), and DEQ approved the Fill WBZ Trench Design in an October 7, 2020, email, with a request for additional information about the design. The requested information was provided via email on October 29, 2020 (Anchor QEA 2020f) and discussed with DEQ during a meeting on November 5, 2020. Trench system construction began in November 2020, and trench system operation began in March 2021. The locations of the 50-foot trench (T-50) and 100-foot trench (T-100) are shown in Figure 1.

In addition, the well monitoring program was expanded by installing monitoring wells MW-50F, MW-51F, MW-52F, and MW-53F (Figure 1) in December 2020 and January 2021 (Anchor QEA 2021a). Data collected from these new wells are being used to evaluate trench operations and Fill WBZ groundwater elevations and quality downgradient of the LNG Basin and the trench system.

Second through fourth quarter 2022 monitoring results are presented in this memorandum.

Trench Design and Operation

The alignments of the Fill WBZ trenches were determined based on hydrogeological characteristics of the Fill WBZ, groundwater modeling, and discussions with DEQ described in the Fill WBZ Trench Design (Anchor QEA 2020e).

The depth of the groundwater drains (screened sections of the groundwater collection pipes) is approximately 2 feet or more below the Fill WBZ/silt contact to allow the groundwater level in the

Fill WBZ to be drawn down to the top of the silt, creating an inward gradient without fully dewatering the trench. The drains slope to a sump to facilitate the collection and removal of dense nonaqueous phase liquid (DNAPL) if any enters the drains. The trench construction details are shown in Figure 2.

Continuous pumping from the trench system began on March 11, 2021. Plots showing pumping rates and groundwater elevations in the two trenches are provided in Attachment A. When pumping started, the trenches were operated to pump until the water level in the trenches was near the top of the Upper Silt Unit at an elevation of 6.7 feet relative to City of Portland datum (COP) in T-50 and at an elevation of 9.5 feet COP in T-100. When the target depth was achieved, pumping stopped, and water levels were allowed to recover approximately 2.5 feet before pumping resumed and the cycle repeated. The recovery cycle was shortened to 1.5 feet in May 2021. On August 13, 2021, the pumping approach was refined to reduce pump cycling and maintain groundwater elevations within the trench at elevations of 5.0 feet COP in T-50 and 10.0 feet COP in T-100 using the programmable logic controller. Beginning in December 2021, with the pump at T-50 operating at maximum capacity of approximately 16 gallons per minute (GPM), water levels within this trench rose above the base of the Fill WBZ. Therefore, the T-50 pump was replaced in March 2022 with a higher capacity pump, and water levels in the trench were again maintained at the programmed elevation of 5.0 feet COP at or near the base of the Fill WBZ. Pumping rates at T-100 ranged from approximately 4 to 16 GPM to maintain water levels within the trench at an elevation of 10.0 feet COP. In July 2022, the pump inlet at T-50 was raised and the set-point elevation was raised from 5.0 to 7.5 feet COP to allow DNAPL to settle into the sump rather than flow with the groundwater into the treatment system. In September 2022, a void was observed at the southwest end of T-50 when accessing the cleanout. T-50 was taken out of service, the concrete over the trench was removed, the void was filled and compacted, and the concrete paved surface was restored. T-50 was returned to service on November 21, 2022. Approximately 8.3 million gallons of water were pumped from the trench system during the second through fourth quarter 2022.

Second Through Fourth Quarter 2022 Monitoring Activities and Results

Second through fourth quarter 2022 data were collected consistent with the methods and requirements of the DEQ-approved LNG Basin and Former Koppers Basin groundwater monitoring program (Anchor QEA 2018a).

Second through fourth quarter 2022 groundwater monitoring events at monitoring wells MW-46F, MW-47F, MW-48F, MW-49F, MW-50F, MW-51F, MW-52F, and MW-53F and select nearshore

monitoring wells[3] were conducted in June, September, and December 2022. Field sampling data sheets are provided in Attachment B. Samples were packed in coolers with ice and shipped under chain-of-custody control to Apex Laboratories, LLC, in Tigard, Oregon, and were analyzed for site contaminants of concern, including VOCs; semivolatile organic compounds (SVOCs); total metals; and total, free, and available cyanide. Laboratory data were subjected to a standard data validation review. The data were judged to be acceptable for their intended use. The validated laboratory results for the groundwater samples from monitoring wells MW-46F, MW-47F, MW-48F, MW-49F, MW-50F, MW-51F, MW-52F, MW-53F, and select nearshore monitoring wells are shown in Table 1.

Hydrographs displaying the transducer data for each of the monitoring wells included in this program and river stage are provided in Attachment C, including the newly installed monitoring wells and the transducers within the Fill WBZ trenches. Hydrographs of the weekly surface water and groundwater elevation data at the Former Koppers Basin are provided in Figure 3. The Former Koppers Basin water level measurement data are in Table 2.

Data Evaluations

Previous evaluations have focused on the potential effects of the LNG Basin and Former Koppers Basin modifications on groundwater hydrology and water quality. Now that the trench system has been installed, similar evaluations are being conducted as they pertain to the trench system performance, as discussed in the following subsections. In addition to data collected from the wells included in the LNG Basin and Former Koppers Basin groundwater monitoring program, data collected at other locations (through ongoing DEQ-approved monitoring programs) were used to support evaluations presented in this memorandum.[4]

Groundwater Hydrology

To assess the potential effects of the trench system on groundwater hydrology, hydrographs (Figure 4) and potentiometric surface maps (Attachment D) were created using average monthly groundwater levels to evaluate potential changes in the direction and magnitude of the hydraulic gradient in the Fill WBZ.

[3] The nearshore wells are usually sampled annually (in the third quarter) or semiannually (in the first and third quarter) as part of the site-wide groundwater monitoring program. However, the sampling frequency was increased to quarterly for nearshore Fill WBZ monitoring wells OW-05F, OW-07-17, OW-08-15, OW-09-25, MW-02-32, MW-03-26, MW-04-35, MW-21-12, and MW-23-27 due to increases in benzene concentrations at some of the Fill WBZ monitoring wells during the third quarter 2019 monitoring event.

[4] Transducer data from Fill WBZ monitoring wells MW-47F, MW-48F, MW-49F, OW-07-17, OW-08-15, OW-09-25, and OW-10F were used in the evaluation of potential changes to Fill WBZ groundwater hydrology. Water quality data from monitoring wells MW-46F, MW-47F, MW-48F, and MW-49F and nine nearshore wells downgradient of the LNG Basin (OW-09-25, MW-02-32, MW-23-27, OW-08-15, MW-21-12, OW-07-17, MW-03-26, OW-05F, and MW-04-35) were used to evaluate potential changes in groundwater quality.

Former Koppers Basin

Water elevation measurements from the Former Koppers Basin are presented in Table 2 and depicted in Figure 3. As requested by DEQ, water levels were measured at two locations at the Former Koppers Basin. The elevation of the surface water in the basin was measured from a surveyed benchmark at the top of the basin wall (designated SW-KB; Table 2) using an electronic water level indicator. The groundwater elevation beneath the basin was measured at piezometer PZ-KB1, which is screened in the Fill WBZ beneath the basin.

Monthly water level measurements up to May 2019 and weekly observations thereafter indicate that surface water was present in the Former Koppers Basin from November 9, 2018, until September 2022, and the basin has subsequently been maintained dry (Table 2 and Figure 3). Pumping temporarily ceased in December 2022 due to freezing lines, and there was a brief period of standing water at the end of December. Water level elevations measured manually at PZ-KB1 are consistent with other nearby Fill WBZ wells (MW-44F and MW-46F; Attachment D).

In an email dated December 2, 2021, DEQ provided concurrence that removal of standing water in the Former Koppers Basin would be an acceptable approach to address DEQ concerns related to ecological exposure pathways for surface water within the Former Koppers Basin on a temporary basis until a permanent remedial action is selected in the Gasco OU Feasibility Study (DEQ 2021). The *NW Natural Former Koppers Basin Stormwater Pumping System Design Report* (Design Report; ADA 2022) was submitted to DEQ on February 28, 2022. The Design Report was approved by the DEQ Water Quality Program on March 18, 2022 (DEQ 2022). Pumping from the Former Koppers Basin began in second quarter 2022, and the basin is maintained free of standing water.

Fill WBZ Groundwater Elevation

Water levels are recorded every 15 minutes at the wells with transducers (Figure 1), as well as the river. Hydrographs showing the 15-minute data are provided in Attachment C. Monthly average water levels were calculated and used to create potentiometric surface contour maps for April 2022 through December 2022, which are provided in Attachment D.[5] The monthly average groundwater and river elevations were also plotted with the total precipitation that occurred each month from

[5] Monthly arithmetic averages were used for this evaluation instead of the 3-day rolling average method described in "Determining the Mean Hydraulic Gradient of Ground Water Affected by Tidal Fluctuations" (Serfes 1991) because the Fill WBZ is not in direct hydraulic communication with the river throughout the year, and groundwater elevations in the Fill WBZ do not respond to daily tidal fluctuations as do those of the Alluvium WBZ. The Serfes average is a well-established and appropriate method to use when evaluating groundwater elevations influenced by tides (i.e., hydraulically connected to surface water bodies that experience tidal fluctuations [Serfes 1991]) so was not used in this evaluation. With this one difference, the approach used is consistent with the method used to evaluate the HC&C system for the Alluvium WBZ as described in the *Groundwater Source Control Extraction System Test Plan* (Anchor QEA 2013). Fill WBZ wells located near the river (MW-19-22, OW-10F, OW-01F, OW-02F, OW-05, OW-07-17, OW-08-15, and OW-09-25) show that water levels in the river drop below the water level in the wells (by as much as 10 to 12 feet). The water levels in MW-46F, MW-47F, MW-48F, and MW-49F are consistently above the river elevation (Attachment C). Fill WBZ groundwater elevations fluctuate as a result of precipitation and water levels in the river (at shoreline wells during portions of the year).

January 2018 through December 2022 (Figure 4). Precipitation data from the site weather station are provided in Attachment E.

Seasonal and spatial trends in Fill WBZ groundwater elevations are illustrated in Figure 4.[6] Generally, at a given well, average monthly groundwater elevations increase in the winter and spring and decline throughout the summer and early fall. In the second through fourth quarter 2022, groundwater levels increased in April through May, decreased June through October, and increased again October through December, consistent with historical seasonal trends.

Continuous pumping from the trench system began on March 11, 2021. Drawdown induced by pumping from the trench system is evident in the water levels at monitoring wells MW-49F, MW-51F, MW-52F, and MW-53F (Attachment A). Water levels in the trench system were lowered and maintained near the contact between the Fill WBZ and Upper Silt Unit.

Potentiometric surface maps (Attachment D) show that groundwater flowing from beneath the LNG Basin flows toward and is captured by T-50 and T-100, thereby meeting the RAOs for the trench system. T-50 was not pumped from September 13 to November 21, 2022, while repairs were made due to a void discovered below the pavement.

Groundwater Quality

The following evaluations were performed to assess changes in groundwater quality following the LNG Basin and Former Koppers Basin modifications:

- Post-modification concentrations in the LNG Basin and Former Koppers Basin monitoring wells MW-46F, MW-47F, MW-48F, and MW-49F were compared to pre-modification concentrations from sampling events in May and August 2018.
- Water quality monitoring in wells MW-50F through MW-53F, located near the Fill WBZ trenches, began in December 2020. Groundwater quality data from these wells are used to assess temporal groundwater concentration changes since initiation of pumping from the trench system.
- Post-modification concentrations in shoreline wells downgradient of the LNG Basin (OW-09-25, MW-02-32, MW-23-27, OW-08-15, MW-21-12, OW-07-17, MW-03-26, OW-05F, and MW-04-35) were compared to pre-modification results from annual third quarter sampling events in 2015 through 2018.

[6] As discussed in previous quarterly memoranda (Anchor QEA 2019b, 2019c, 2019d, 2020a, 2020b, 2020c, 2021a, 2021b, 2022a, 2022b), groundwater elevations consistently decrease moving west to east from NW St. Helens Road to the river (Figures 1 and 4). Groundwater elevations are highest near NW St. Helens Road (MW-09-29, MW-10-25, MW-11-32, MW-12-36, MW-43F, MW-44F, MW-45F, and MW-46F) and lowest near the river (MW-19-22, OW-05F, OW-07-17, OW-08-15, OW-09-25, and OW-10F).

LNG Basin and Former Koppers Basin Monitoring Wells

Monitoring wells MW-46F, MW-47F, MW-48F, and MW-49F were sampled in May 2018 and August 2018 prior to the completion of modifications in the LNG Basin and Former Koppers Basin. Following the modifications, these wells were sampled quarterly beginning in December 2018. Monitoring wells MW-50F through MW-53F were sampled quarterly beginning in December 2021.

Past water quality monitoring results as well as second through fourth quarter 2022 results from wells MW-46F through MW-53F are presented in Table 1. Figure 5 summarizes total BTEX concentrations during the monitoring period. Figure 6 summarizes total VOCs, and Figure 7 shows total polycyclic aromatic hydrocarbon (PAH) concentrations.

Concentrations at monitoring wells MW-46F, MW-47F, and MW-48F are within approximately an order of magnitude of the range of concentrations detected during pre-modification sampling events (May and August 2018) (Table 1 and Figures 5 through 7). The modifications at the LNG Basin and Former Koppers Basin did not affect these wells, so no change is expected at these well locations.

At monitoring well MW-49F, total PAH concentrations have remained within approximately an order of magnitude of the range of pre-modification concentrations. Total BTEX and total VOC concentrations initially decreased at MW-49F in the first quarter 2019. During the second quarter 2019 through third quarter 2020, concentrations were over an order of magnitude greater than pre-modification concentrations, primarily due to an increase in the benzene concentration (Table 1 and Figures 5 through 7). Concentrations decreased following the installation of the trench system and, in the second through fourth quarter 2022, they were at or below pre-modification values.

Monitoring wells MW-50F through MW-53F were installed in coordination with installation of the trench system. Total BTEX, total VOC, and total PAH concentrations show increasing trends since pumping began at MW-50F. MW-50F was not sampled in second through fourth quarters 2022 due to the presence of approximately 3 feet of DNAPL in the well. Both T-100 and T-50 are routinely monitored for DNAPL. No measurable accumulation of DNAPL has been detected in T-100. Due to the position of the pump screen in the T-50 riser pipe, DNAPL was believed to be captured with the groundwater and going to the Pretreatment Plant Expansion rather than accumulating in the sump. The pump inlet was therefore raised to above the trench lateral line, and the setpoint was raised from an elevation of 5 to 7.5 feet COP in July 2022. DNAPL entry into T-50 was first observed during August 2022; subsequently, a DNAPL pump was installed in the sump at this location. Total BTEX, total VOC, and total PAH concentrations at monitoring wells MW-51F and MW-52F have been stable to decreasing since pumping began at the trench system. Total BTEX and total VOC concentrations at MW-53F have steadily increased primarily due to BTEX increasing from nondetect to more than 1,000 parts per billion, reaching its maximum concentration in first quarter 2022 and maintaining stable to declining concentrations in second through fourth quarter 2022.

Nearshore Monitoring Wells

Nine nearshore Fill WBZ monitoring wells have historically been sampled annually in the third quarter and are now sampled quarterly as part of the site-wide groundwater monitoring program. These shoreline wells are downgradient or cross-gradient of the LNG Basin. Second through fourth quarter 2022 water quality monitoring results and prior results at shoreline wells OW-09-25, MW-02-32, MW-23-27, OW-08-15, MW-21-12, OW-07-17, MW-03-26, OW-05F, and MW-04-35 are presented in Table 1. Total BTEX, total VOC, and total PAH results in the nine nearshore wells since 2014 are plotted in Figures 5, 6, and 7, respectively.

As discussed in previous memoranda, prior to the LNG Basin modifications, total BTEX and total VOC concentrations in groundwater at nearshore wells were orders of magnitude lower than concentrations at the LNG Basin wells (MW-46F, MW-47F, MW-48F, and MW-49F; Figures 5 and 6), and total PAH concentrations at the nearshore wells were also generally lower than total PAH concentrations at LNG Basin wells (Figure 7).

Concentrations at a subset of nearshore wells notably increased (total BTEX and total VOCs at OW-08-15, MW-21-12, OW-07-17, and MW-03-26 and total BTEX at MW-02-32) through the first quarter 2020 sampling event. Between first quarter 2020 and the beginning of trench system pumping in March 2021, concentrations either stayed relatively elevated compared to pre-modification values (OW-08-15 and MW-21-12), fluctuated between pre-modification levels and elevated levels (OW-07-17 and MW-03-26), or returned to approximate pre-modification levels (MW-02-32). Since trench system pumping began in March 2021, total BTEX and total VOC concentrations have dropped in all nearshore monitoring wells, with the exception of OW-5F, which remained consistent with pre-modification concentrations.

The past four sampling events at nearshore wells MW-02-32, MW-21-12, MW-03-26, OW-7-17, OW-08-15, OW-9-25, and MW-23-27 indicate declining concentrations, and several of these wells (MW-02-32, MW-03-26, and OW-9-25) were nondetect for BTEX and VOCs in second through fourth quarter 2022.

The trench system is addressing the prior increase in total BTEX and total VOC concentrations identified at select nearshore wells during the monitoring program. Trench system operation has effectively reduced BTEX and total VOC concentrations at the nearshore monitoring wells that previously had notable concentration increases. NW Natural will continue to monitor groundwater concentrations in the nearshore monitoring wells and evaluate groundwater quality trends.

Contaminant Mass Removed

Contaminant mass removal is not an RAO for the trench system. However, it does provide a useful metric for assessing the effectiveness of the system. Each month, untreated groundwater samples are collected by Sevenson Environmental Services, Inc. (SES) from the influent to the NW Natural

Pretreatment Plant Expansion, which receives groundwater from the trench system. Samples are analyzed for VOCs, SVOCs, total cyanide, total suspended solids, oil and grease, copper, and iron. Influent concentrations of selected contaminants collected monthly by SES were compiled and are shown in Table 3 for the NW Natural Pretreatment Plant Expansion. An annual mass removal rate was calculated for benzene, benzo(a)pyrene (B[a]P), naphthalene, and total cyanide as well as total VOCs, total SVOCs, copper, and iron by multiplying the average influent concentration for each contaminant by the groundwater volume pumped to pretreatment plant each year (Equation 1; Table 3).

Equation 1

$$\mathrm{M}\left(\frac{\mathrm{lb}}{\mathrm{yr}}\right) = \mathrm{C}\left(\frac{\mu\mathrm{g}}{\mathrm{L}}\right) * V\left(\frac{\mathrm{MG}}{\mathrm{yr}}\right) * 8.3454\,(\frac{\mathrm{lb}-\mathrm{L}}{\mathrm{MG}-\mathrm{mg}}) * 10^{-3}\,(\frac{\mathrm{mg}}{\mu\mathrm{g}})$$

where:

M	=	mass removal rate for a given contaminant in a given year
lb	=	pound
yr	=	year
C	=	average annual untreated influent concentration of a given contaminant in groundwater pumped to each pretreatment plant
µg	=	microgram
L	=	liter
V	=	total annual volume of groundwater pumped to a given pretreatment plant
MG	=	million gallons
mg	=	milligram

The contaminant masses removed by the trench system based on the groundwater pumped to the Pretreatment Plant Expansion are summarized in Table 3. In second through fourth quarter 2022, the trench system removed approximately 437 pounds of benzene, 9 pounds of B(a)P, 209 pounds of naphthalene, 8 pounds of total cyanide, 506 pounds of total VOCs, 835 pounds of total SVOCs, 0.1 pound of copper, and 2,803 pounds of iron (Table 3).

Summary of Findings

Pumping and water-level data show that the trench system is operating as designed, and groundwater quality at nearshore monitoring wells within the Fill WBZ has returned to the approximate pre-modification concentrations since startup of the trench system in March 2021. The HC&C system continues to successfully control the contaminated groundwater pathway from the Alluvium WBZs to the river.

Potentiometric surface maps indicate that groundwater downgradient of the LNG Basin flows toward the T-50 and T-100 Fill WBZ trench system, meeting the RAOs for the trench system.

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Serfes, M.E., 1991. "Determining the Mean Hydraulic Gradient of Ground Water Affected by Tidal Fluctuations." *Ground Water* 29(4): 549–555.

Tables

Table 1
Laboratory Testing Results

Location ID	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32
sys_sample_code	GS-031114-08	GS-101414-65	GS-031915-76	GS-092915-95	GS-031616-56	GS-102116-95	GS-100517-68	GS-092618-65	GS-100219-78
Sample Date	3/11/2014	10/14/2014	3/19/2015	9/29/2015	3/16/2016	10/21/2016	10/5/2017	9/26/2018	10/2/2019
Depth	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943
Conventional Parameters (mg/L)									
Cyanide	**0.184**	**0.26**	**0.397**	**0.205**	**0.18**	**0.493**	**1.06**	**0.332**	**0.0586 J**
Cyanide, available	**0.00674**	**0.00479**	**0.00469**	**0.00314**	**0.0111**	**0.00266**	**0.0239**	**0.00287**	**0.00137 J**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	**0.002 J**	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	**97.5**	50 U	**59.7**	50 U	**28.6 J**	50 U	**25.5 J**	50 U
Antimony	1 UJ	**0.889 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**1.01**	**2.33**	**3.36**	**3.53**	**1.9**	**2.46**	**3.18**	**1.58**	**2.72**
Barium	**8.67**	**17.1**	**7.9**	**14.7**	**8.56**	**14.3**	**7.76**	**10.9**	**8.13**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	1 U	**0.467**	0.2 U	**0.0778 J**	0.2 U	**0.0889 J**	**0.0556 J**	**0.0503 J**	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	**1.61**	1 U	**0.667 J**	1 U	1 U	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	**0.944 J**	**5.68**	**0.8 J**	**2.79**	**0.922 J**	**2.47**	**1**	**1.44**	**0.63 J**
Iron	**507**	**2290**	**4470**	**5530**	**1290**	**4670**	**17100**	**7090**	**19400**
Lead	0.2 U	**0.522**	0.2 U	**0.3**	0.2 U	**0.133 J**	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**173**	**1590**	**2580**	**2150**	**129**	**572**	**2230**	**1100**	**2310**
Mercury	0.16 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**5.96**	**8.6**	**8.34**	**11.6**	**4.87**	**5.83**	**2.92**	**4.1**	**2.87**
Potassium	--	--	--	--	--	--	--	**1330**	--
Selenium	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**4.47**	**4.36**	**2.84**	**3.7**	**6.07**	**3.86**	**0.756 J**	**2.01**	**0.517 J**
Zinc	4 U	**10.6**	**2.59 J**	**12.3**	**6.36**	**4.93**	**4.69**	**9.13**	**5.04**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

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Location ID	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32
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Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	**11.9 J**	20 U	20 U	20 U	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	--	--	--	--	--	--	2 U	2 U	2 U
Benzene	0.25 U	0.25 U	0.25 U	0.25 U	0.2 U	0.2 U	0.2 U	0.2 U	**2.54**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 U
Carbon disulfide	--	--	--	--	--	--	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	5 U	5 U	5 U	5 U	3 U	3 U	3 U	3 U	3 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**12.6**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**3.06**

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Depth	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943
m,p-Xylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.947 J**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.879**
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.08**
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**19.167 J**
Total VOC (U = 0)	20 U	20 U	20 UJ	**11.9 J**	20 U	20 U	20 U	20 UJ	**23.106 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**0.547**	**0.219 J**	0.0671 U	0.0635 U	**0.185**	0.293 U	**0.25**	0.069 U	**4.48**
2-Methylnaphthalene	0.0377 U	**0.195 J**	0.0671 U	0.0635 U	0.0732 U	0.293 U	0.063 U	**0.0359 J**	0.777 U
Acenaphthene	**7.54**	**0.228**	**0.506**	**0.591**	**8.16**	**9.96 J**	**20.6**	**0.155**	**30**
Acenaphthylene	**0.256**	**1.14**	**0.337**	**0.274**	**0.745**	**1.02 J**	**0.741**	**0.334**	**1.21**
Anthracene	**0.156**	**0.36**	**0.179**	**0.167**	**0.28**	**0.26 J**	**0.46**	**0.196**	**0.359 J**
Benzo(a)anthracene	0.0189 U	**0.184**	**0.013 J**	**0.0119 J**	0.0183 U	0.0732 U	**0.015 J**	0.0173 U	0.194 U
Benzo(a)pyrene	0.0189 U	**0.102**	0.0168 U	**0.0127 J**	0.0183 U	**0.0677 J**	**0.0106 J**	0.0173 U	0.194 U
Benzo(b)fluoranthene	--	**0.258**	0.0168 U	**0.0147 J**	0.0183 U	**0.0567 J**	0.0158 U	0.0173 U	0.194 U
Benzo(b,k)fluoranthene	0.0377 U	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.0189 U	**0.18**	0.0336 U	**0.0167 J**	0.0366 U	**0.0842 J**	0.0315 U	0.0345 U	0.388 U
Benzo(j,k)fluoranthene	--	--	--	--	--	--	--	--	0.194 U
Benzo(k)fluoranthene	--	**0.0983**	0.0168 U	**0.00794 J**	0.0183 U	0.0732 U	0.0158 U	0.0173 U	--
Carbazole	**0.0132 J**	0.148 U	0.0336 U	0.0317 U	**0.0544**	0.146 U	0.0315 U	0.0345 U	0.388 U
Chrysene	0.0189 U	**0.169**	0.0168 U	**0.0151 J**	0.0183 U	0.0732 U	**0.00788 J**	0.0173 U	0.194 U
Dibenzo(a,h)anthracene	0.0189 U	0.0742 U	0.0168 U	0.0159 U	0.0183 U	0.0732 U	0.0158 U	0.0173 U	0.194 U
Dibenzofuran	**0.106**	0.148 U	0.0336 U	0.0317 U	0.0366 U	0.146 U	0.0315 U	0.0345 U	0.388 U
Fluoranthene	0.0189 U	**0.273**	0.0336 U	**0.0214 J**	0.0366 U	0.146 U	0.0315 U	0.0345 U	0.388 U
Fluorene	**0.0955**	**0.512**	0.26 U	0.0952 U	0.174 U	0.22 U	0.394 U	0.0829 U	**0.33 J**
Indeno(1,2,3-c,d)pyrene	0.0189 U	**0.178**	0.0168 U	**0.0143 J**	0.0183 U	**0.0476 J**	0.0158 U	0.0173 U	0.194 U
Naphthalene	**0.0764**	**3.59**	**0.112**	**0.125**	0.138 UJ	**0.716 J**	**0.283**	**0.418**	**1.22**
Phenanthrene	**0.0288**	**0.402**	**0.034 J**	0.0635 U	**0.0489 J**	0.293 U	**0.0508 J**	0.069 U	0.777 U

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Pyrene	**0.112**	**0.321**	**1.45**	**0.0401**	**0.282**	**0.207 J**	**1.45**	**0.0517**	**1.52**
Total PAH (17) (U = 0)	**8.2647**	**8.1903 J**	**2.631 J**	**1.31184 J**	**9.5159 J**	**12.4192 J**	**23.61828 J**	**1.1906 J**	**34.639 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	**0.638**	**0.354**	**0.192 J**	**0.242**	**0.299**	**0.424**	**0.127 J**	**0.462**
Gasoline range hydrocarbons	--	0.1 U	0.1 U	0.1 U	**0.0572 J**	0.1 U	0.1 U	0.1 U	**0.168**
Oil range organics	--	0.381 U	0.392 U	0.396 U	**0.439**	0.43 U	**0.335 J**	**1.08**	**0.459**

Table 1
Laboratory Testing Results

Location ID	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32
sys_sample_code	GS-121719-01	GS-031720-65	GS-061020-10	GS-061020-11	GS-102720-88	GS-121020-13	GS-031921-65	GS-061021-14	GS-100421-109
Sample Date	12/17/2019	3/17/2020	6/10/2020	6/10/2020	10/27/2020	12/10/2020	3/19/2021	6/10/2021	10/4/2021
Depth	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft
Sample Type	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943
Conventional Parameters (mg/L)									
Cyanide	**0.0428**	**0.054**	**0.0774**	**0.0788**	**0.0684**	**0.0727**	**0.1**	**0.18**	**0.144**
Cyanide, available	0.002 U	**0.00232**	**0.00141 J**	**0.00143 J**	**0.00305**	**0.00111 J**	**0.00301**	**0.00553**	**0.0032**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	**27 J**	50 U	50 U	50 U	50 U	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**5.21**	**1.05**	**1.32**	**1.3**	**0.723 J**	**0.832 J**	**1.03**	**1.01**	**1.8**
Barium	**6.1**	**9.5**	**10.9**	**11**	**22.1**	**23.7**	**10.2**	**11.7**	**18.2**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	1 U	**1.11 J**	2 U	2 U	**1.47 J**	2 U	2 U	2 U	**1.62 J**
Iron	**30300**	**367**	**1440**	**1400**	**1990**	**9190**	**976**	**2290**	**5390**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**3040**	**155**	**3510**	**3540**	**2030**	**5780**	**1130**	**1690**	**2030**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**1.43**	**9.08**	**24**	**23.9**	**10.1**	**9.82**	**6.82**	**12.8**	**12**
Potassium	--	**2090**	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	1 U	**3.23**	**1.82 J**	**1.82 J**	**2.17**	**1.11 J**	**3.55**	**1.41 J**	**1.34 J**
Zinc	**5.18**	**3.54 J**	**3.71 J**	**6.49**	**6.88**	**4.25**	**5.34**	**4.15**	**4.55**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**2.54**	**2.19**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32
sys_sample_code	GS-121719-01	GS-031720-65	GS-061020-10	GS-061020-11	GS-102720-88	GS-121020-13	GS-031921-65	GS-061021-14	GS-100421-109
Sample Date	12/17/2019	3/17/2020	6/10/2020	6/10/2020	10/27/2020	12/10/2020	3/19/2021	6/10/2021	10/4/2021
Depth	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft
Sample Type	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	**0.639 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	**3.38**	**5.42**	2.6 U	2.62 U	0.2 U	**0.739**	**1.09**	0.2 U	0.2 U
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
Carbon disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	**0.785**	0.5 U	0.5 U	0.5 U	0.5 U	**0.628**	0.5 U	0.5 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	**5.77**	**0.744 J**	1 U	1 U	1 U	**1.32**	1 U	1 U	1 U

Table 1
Laboratory Testing Results

Location ID	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32
sys_sample_code	GS-121719-01	GS-031720-65	GS-061020-10	GS-061020-11	GS-102720-88	GS-121020-13	GS-031921-65	GS-061021-14	GS-100421-109
Sample Date	12/17/2019	3/17/2020	6/10/2020	6/10/2020	10/27/2020	12/10/2020	3/19/2021	6/10/2021	10/4/2021
Depth	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft
Sample Type	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943
m,p-Xylene	**6.32**	**1.06**	1 U	1 U	1 U	**0.579 J**	1 U	1 U	1 U
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	**0.585**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	**6.36**	**0.758**	0.5 U	0.5 U	0.5 U	**1.15**	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**0.985 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	**17.83 J**	**7.238**	2.6 U	2.62 U	1 U	**3.096 J**	**1.09**	1 U	1 U
Total VOC (U = 0)	**27.364 J**	**10.172 J**	20 U	20 U	20 U	**4.416 J**	**1.09 J**	20 U	20 U
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**31.3**	**39.4**	**1.09**	**1.09**	**0.23**	**5.5**	**0.378 J**	**0.133**	**0.0801**
2-Methylnaphthalene	**0.968 J**	**3.87**	**0.119**	**0.13**	0.0736 U	0.285 U	0.068 U	0.068 U	0.0741 U
Acenaphthene	**36**	**25.2**	**2.48**	**2.54**	**1.54**	**14.2**	**6.46**	**1.61**	**0.188**
Acenaphthylene	**2.34**	**2.13**	**0.426**	**0.446**	**0.318**	**1.13**	**0.46**	**0.281**	**0.23**
Anthracene	**0.566 J**	1.43 U	**0.417**	**0.427**	**0.178**	**0.474**	**0.188**	**0.151**	**0.137**
Benzo(a)anthracene	0.341 U	0.717 U	**0.00922 J**	0.0214 U	0.0184 U	0.0713 U	**0.00978 J**	0.017 U	0.0185 U
Benzo(a)pyrene	0.341 U	0.717 U	0.0176 U	0.0171 U	0.0184 U	0.0713 U	0.017 U	0.017 U	0.0185 U
Benzo(b)fluoranthene	0.341 U	0.717 U	0.0176 U	0.0171 U	0.0184 U	0.0713 U	0.017 U	0.017 U	**0.0139 J**
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.683 U	1.43 U	0.0351 U	0.0342 U	0.0368 U	0.143 U	0.034 U	0.034 U	**0.0222 J**
Benzo(j,k)fluoranthene	0.341 U	0.717 U	0.0176 U	0.0171 U	0.0184 U	0.0713 U	0.017 U	0.017 U	0.0185 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	0.683 U	**7.18**	**0.696**	**0.71**	**0.0566**	**0.989**	**2.61**	**0.0315 J**	0.037 U
Chrysene	0.341 U	0.717 U	0.0176 U	0.0171 U	0.0184 U	0.0713 U	0.017 U	0.017 U	0.0185 U
Dibenzo(a,h)anthracene	0.341 U	0.717 U	0.0176 U	0.0171 U	0.0184 U	0.0713 U	0.017 U	0.017 U	0.0185 U
Dibenzofuran	0.683 U	1.43 U	0.11 U	0.107 U	0.0368 U	0.143 U	**0.148**	0.034 U	0.037 U
Fluoranthene	0.683 U	1.43 U	**0.0176 J**	**0.0205 J**	0.0368 U	0.143 U	**0.0204 J**	0.034 U	**0.0204 J**
Fluorene	0.683 U	**1.56**	0.329 U	0.321 U	0.148 U	**0.934**	0.213 U	0.106 U	0.104 U
Indeno(1,2,3-c,d)pyrene	0.341 U	0.717 U	0.0176 U	0.0171 U	0.0184 U	0.0713 U	0.017 U	0.017 U	**0.0134 J**
Naphthalene	**96.9**	**169**	**4.08**	**4.24**	**1.25**	**3.37**	**0.979**	**0.597**	**0.294**
Phenanthrene	1.37 U	2.87 U	**0.166**	**0.158**	0.0736 U	0.285 U	**0.054 J**	0.068 U	0.0741 U

Table 1
Laboratory Testing Results

Location ID	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32
sys_sample_code	GS-121719-01	GS-031720-65	GS-061020-10	GS-061020-11	GS-102720-88	GS-121020-13	GS-031921-65	GS-061021-14	GS-100421-109
Sample Date	12/17/2019	3/17/2020	6/10/2020	6/10/2020	10/27/2020	12/10/2020	3/19/2021	6/10/2021	10/4/2021
Depth	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft
Sample Type	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943
Pyrene	**2.07**	1.43 U	**0.268**	**0.273**	**0.174**	**0.428**	**0.307**	**0.107**	**0.118**
Total PAH (17) (U = 0)	**138.844 J**	**201.76**	**7.98282 J**	**8.2345 J**	**3.46**	**20.536**	**8.47818 J**	**2.746**	**1.0369 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	**0.613**	**0.788**	**0.486**	**0.42**	**0.321**	**0.572**	**0.262**	**0.26**	**0.224 J**
Gasoline range hydrocarbons	**0.886**	**0.782**	**0.0834 J**	**0.0774 J**	0.1 U	**0.0699 J**	**0.0521 J**	0.1 U	0.1 U
Oil range organics	**0.475**	**0.433**	0.377 U	**0.29 J**	**0.451**	**0.275 J**	**0.508**	0.377 U	**0.314 J**

Table 1
Laboratory Testing Results

Location ID	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-121421-08	GS-031022-14	GS-061422-01	GS-061422-02	GS-091922-40	GS-121522-08	GS-031214-22	GS-102114-75	GS-031615-55
Sample Date	12/14/2021	3/10/2022	6/14/2022	6/14/2022	9/19/2022	12/15/2022	3/12/2014	10/21/2014	3/16/2015
Depth	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Sample Type	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623842.599	7623842.599	7623842.599
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705486.817	705486.817	705486.817
Conventional Parameters (mg/L)									
Cyanide	**0.204**	**0.21**	**0.492**	**0.49**	**0.189**	**0.273**	**0.743**	**0.25**	**0.451**
Cyanide, available	**0.00177 J**	**0.00523**	**0.0188**	**0.0212**	**0.00115 J**	0.002 U	**0.00484**	**0.00389**	**0.00657**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	**268**	**56**	**377**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	1 U	**0.552 J**	**0.521 J**	**0.509 J**	1 U	1 U	**0.578 J**	**0.578 J**	1 U
Barium	**10.7**	**6.53**	**20**	**21**	**5.31**	**5.88**	**29.3**	**52.5**	**32.8**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.0444 J**	**0.0556 J**
Calcium	--	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	2 U	2 U	2 U	2 U	**6.34**	**1.2**	**3.83**
Cobalt	--	--	--	--	--	--	--	--	--
Copper	**1.23 J**	2 U	2 U	2 U	2 U	2 U	**2.37**	**0.756 J**	**16**
Iron	**631**	**623**	**304**	**319**	**198**	**285**	**1640**	**3890**	**2500**
Lead	0.2 U	**0.269**	0.2 U	**0.372**	0.2 U	0.2 U	**0.622**	**0.111 J**	**1.93**
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**256**	**113**	**1500**	**1520**	**609**	**352**	**102**	**3270**	**236**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**6.62**	**3**	**42.8**	**41.7**	**7.62**	**4.83**	**149**	**119**	**155**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**1.47 J**	**1.52 J**	**3.01**	**3.16**	**1.15 J**	2 U	**478**	**96.4**	**383**
Zinc	**3.46 J**	4 U	**4.66**	**5.26**	**6.26**	**5.63**	**6.48**	**8.51**	**15**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	5 U	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-121421-08	GS-031022-14	GS-061422-01	GS-061422-02	GS-091922-40	GS-121522-08	GS-031214-22	GS-102114-75	GS-031615-55
Sample Date	12/14/2021	3/10/2022	6/14/2022	6/14/2022	9/19/2022	12/15/2022	3/12/2014	10/21/2014	3/16/2015
Depth	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Sample Type	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623842.599	7623842.599	7623842.599
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705486.817	705486.817	705486.817
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	**10.8 J**	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	--	--	--
Benzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.32**	0.25 U	**0.26**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ
Carbon disulfide	10 U	10 U	10 U	10 U	10 U	10 U	--	--	--
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 1
Laboratory Testing Results

Location ID	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-121421-08	GS-031022-14	GS-061422-01	GS-061422-02	GS-091922-40	GS-121522-08	GS-031214-22	GS-102114-75	GS-031615-55
Sample Date	12/14/2021	3/10/2022	6/14/2022	6/14/2022	9/19/2022	12/15/2022	3/12/2014	10/21/2014	3/16/2015
Depth	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Sample Type	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623842.599	7623842.599	7623842.599
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705486.817	705486.817	705486.817
m,p-Xylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U
Total BTEX (U = 0)	1 U	1 U	1 U	1 U	1 U	1 U	**0.32**	1 U	**0.26**
Total VOC (U = 0)	20 U	20 U	20 U	20 U	20 U	20 UJ	**11.12 J**	20 UJ	**0.26 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**0.0524 J**	0.0722 U	0.0697 U	0.0699 U	0.0716 U	0.0748 U	0.0381 U	0.282 U	**0.0972**
2-Methylnaphthalene	0.0711 U	0.0722 U	0.0697 U	0.0699 U	0.0716 U	0.0748 U	0.0381 U	0.282 U	**0.032 J**
Acenaphthene	**0.183**	**0.561**	**0.0362**	**0.0415**	**0.116**	**0.0276 J**	**0.0141 J**	0.141 U	**0.327**
Acenaphthylene	**0.144**	**0.25**	**0.161**	**0.182**	**0.291**	**0.276**	**0.557**	**0.773**	**1.05**
Anthracene	**0.104**	**0.169**	**0.11**	**0.122**	**0.178**	**0.157**	**0.841**	**1.17**	**0.965**
Benzo(a)anthracene	0.0178 U	0.0181 U	0.0174 U	0.0175 U	0.0179 U	0.0187 U	**0.222**	**0.0829**	**0.278**
Benzo(a)pyrene	**0.00933 J**	0.0181 U	0.0174 U	0.0175 U	0.0179 U	0.0187 U	**0.465**	**0.0935**	**0.632**
Benzo(b)fluoranthene	0.0178 U	0.0181 U	0.0174 U	0.0175 U	0.0179 U	0.0187 U	**0.465**	**0.0459 J**	**0.509**
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.0355 U	0.0361 U	0.0348 U	0.035 U	0.0358 U	0.0374 U	**0.6**	0.141 U	**0.958**
Benzo(j,k)fluoranthene	**0.00888 J**	0.0181 U	0.0174 U	0.0175 U	0.0179 U	0.0187 U	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	**0.134**	**0.0653 J**	**0.165**
Carbazole	0.0355 U	0.0361 U	0.0348 U	0.035 U	0.0358 U	0.0374 U	**0.0221**	0.141 U	**0.0687**
Chrysene	0.0178 U	0.0181 U	0.0174 U	0.0175 U	0.0179 U	0.0187 U	**0.272**	0.0706 U	**0.282**
Dibenzo(a,h)anthracene	0.0178 U	0.0181 U	0.0174 U	0.0175 U	0.0179 U	0.0187 U	**0.0599**	0.0706 U	**0.0867**
Dibenzofuran	0.0355 U	0.0361 U	0.0348 U	0.035 U	0.0358 U	0.0374 U	0.019 U	0.141 U	**0.0156 J**
Fluoranthene	0.0355 U	0.0361 U	0.0348 U	0.035 U	0.0358 U	0.0374 U	**0.261**	0.141 U	**0.381**
Fluorene	0.0355 U	0.0598 U	0.0359 U	0.0415 U	0.0672 U	0.0374 U	**0.0564**	0.141 U	**0.0625**
Indeno(1,2,3-c,d)pyrene	0.0178 U	0.0181 U	0.0174 U	0.0175 U	0.0179 U	0.0187 U	**0.47**	**0.0759**	**0.73**
Naphthalene	0.175 U	**0.0429 J**	0.0697 U	0.0699 U	0.0716 U	0.0748 U	**0.0324 J**	0.282 U	**0.164**
Phenanthrene	0.0711 U	0.0722 U	0.0697 U	0.0699 U	0.0716 U	0.0748 U	**0.0593**	0.282 U	**0.0925**

Table 1
Laboratory Testing Results

Location ID	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-02-32	MW-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-121421-08	GS-031022-14	GS-061422-01	GS-061422-02	GS-091922-40	GS-121522-08	GS-031214-22	GS-102114-75	GS-031615-55
Sample Date	12/14/2021	3/10/2022	6/14/2022	6/14/2022	9/19/2022	12/15/2022	3/12/2014	10/21/2014	3/16/2015
Depth	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	21.5 - 31.5 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Sample Type	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623338.778	7623842.599	7623842.599	7623842.599
Y	705787.943	705787.943	705787.943	705787.943	705787.943	705787.943	705486.817	705486.817	705486.817
Pyrene	0.0355 U	0.0361 U	**0.129**	**0.13**	0.0358 U	0.0374 U	**0.404**	**0.106 J**	**0.572**
Total PAH (17) (U = 0)	**0.44921 J**	**1.0229 J**	**0.4362**	**0.4755**	**0.585**	**0.4606 J**	**4.9131 J**	**2.4125 J**	**7.2867 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	**0.155 J**	**0.204**	**0.246 J**	**0.29 J**	0.19 U	**0.154 J**	--	**0.304**	**0.245**
Gasoline range hydrocarbons	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	0.1 U	0.1 U
Oil range organics	**0.189 J**	0.381 U	0.374 U	0.374 U	**0.452**	0.392 U	--	0.377 U	0.388 U

Table 1
Laboratory Testing Results

Location ID	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-091815-27	GS-032116-69	GS-101916-86	GS-100517-64	GS-091318-32	GS-100719-89	GS-121819-14	GS-031720-68	GS-061120-15
Sample Date	9/18/2015	3/21/2016	10/19/2016	10/5/2017	9/13/2018	10/7/2019	12/18/2019	3/17/2020	6/11/2020
Depth	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599
Y	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817
Conventional Parameters (mg/L)									
Cyanide	**0.413**	**0.309**	**1.02**	**0.315**	**0.284**	**0.401**	**0.351**	**0.389**	**0.472**
Cyanide, available	**0.0111**	**0.00862**	**0.00922**	**0.0112**	**0.00335**	**0.00442**	**0.00271**	**0.00618**	**0.00236**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	**2760**	**90.4**	**39.1 J**	**346**	**470**	**65.7**	**38.3 J**	50 U	**26.3 J**
Antimony	**0.5 J**	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**1.38**	1 U	1 U	**1.02**	1 U	**1.28**	**0.889 J**	**0.675 J**	**0.75 J**
Barium	**79.1**	**27.9**	**33**	**51.2**	**47.2**	**47.7**	**38.6**	**53.9**	**60.9**
Beryllium	2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	**0.0778 J**	0.2 U	0.2 U	**0.0556 J**	**0.048 J**	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	**8.29**	**8.6**	1 U	**2.81**	**14.2**	1 U	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	**6.83**	**1.14**	**1.34**	**1.54**	**2.13**	**0.81 J**	**1.24**	2 U	2 U
Iron	**9520**	**1610**	**664**	**9530**	**2270 J**	**5320**	**1300**	**3020**	**3130**
Lead	**2.74**	**0.244**	0.2 U	**0.622**	**0.445**	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**3320**	**570**	**334**	**2010**	**1010 J**	**979**	**622**	**1770**	**1610**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**133**	**115**	**63.8**	**99**	**133**	**60.7**	**60.1 J**	**236**	**372**
Potassium	--	--	--	--	--	--	--	**3260**	--
Selenium	1 U	1 U	**0.5 J**	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**489**	**193**	**201**	**190**	**164**	**68.1**	**733**	**109**	**81.8**
Zinc	**26.6**	**4.3**	**5.09**	**7.69**	**6.47**	**4.29**	**5.46**	**4.61**	**7.55**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-091815-27	GS-032116-69	GS-101916-86	GS-100517-64	GS-091318-32	GS-100719-89	GS-121819-14	GS-031720-68	GS-061120-15
Sample Date	9/18/2015	3/21/2016	10/19/2016	10/5/2017	9/13/2018	10/7/2019	12/18/2019	3/17/2020	6/11/2020
Depth	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599
Y	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	**11.4 J**	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	--	--	--	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	0.25 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**191**	**48.2**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	--	--	--	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	5 U	3 U	3 U	3 U	3 U	10 UJ	5 U	10 U	10 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.507**	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 1
Laboratory Testing Results

Location ID	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-091815-27	GS-032116-69	GS-101916-86	GS-100517-64	GS-091318-32	GS-100719-89	GS-121819-14	GS-031720-68	GS-061120-15
Sample Date	9/18/2015	3/21/2016	10/19/2016	10/5/2017	9/13/2018	10/7/2019	12/18/2019	3/17/2020	6/11/2020
Depth	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599
Y	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817
m,p-Xylene	1 U	1 U	1 U	1 U	**0.554 J**	1 U	1 U	1 U	1 U
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**1.38**	0.5 U
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	1 U	1 U	1 U	1 U	**0.947 J**	1 U	1 U	**0.549 J**	1 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	1 U	1 U	1 U	1 U	**1.501 J**	1 U	1 U	**193.436 J**	**48.2**
Total VOC (U = 0)	20 U	20 UJ	20 U	20 U	**1.501 J**	20 UJ	20 U	**204.836 J**	**48.2**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	3.12 U	0.291 U	0.0718 U	**0.0561 J**	**0.042 J**	**0.0472 J**	0.0667 U	**4.15**	2.55 U
2-Methylnaphthalene	3.12 U	0.291 U	0.0718 U	**0.0402 J**	**0.0542 J**	**0.0472 J**	0.0667 U	**0.141 J**	2.55 U
Acenaphthene	1.56 U	**0.0781 J**	**0.0224 J**	**0.102**	**0.0399**	**0.0516**	**0.0474**	**7.14**	**1.71**
Acenaphthylene	**1.17 J**	**0.862**	**0.548**	**1.07**	**0.646**	**1.13**	**0.83**	**3.28**	**3.7**
Anthracene	**1.03 J**	**1.21**	**1.28**	**1.4**	**1.16**	**1.42**	**1.11**	**2.61**	**2.54**
Benzo(a)anthracene	**0.78**	**0.113 J**	**0.0538 J**	**0.183**	**0.115 J**	**0.054**	**0.0571**	**0.082**	0.638 U
Benzo(a)pyrene	**1.31**	**0.158**	**0.0624**	**0.434**	**0.204**	**0.044**	**0.0694**	**0.0333 J**	0.638 U
Benzo(b)fluoranthene	**1.31**	**0.145 J**	**0.0646 J**	**0.382 J**	**0.162 J**	**0.0372 J**	**0.0523**	0.0643 U	0.638 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**2.03**	**0.245**	**0.11**	**0.59**	**0.283**	**0.0528**	**0.0781**	**0.0697 J**	1.28 U
Benzo(j,k)fluoranthene	--	--	--	--	--	**0.032 J**	**0.0396**	**0.0431 J**	0.638 U
Benzo(k)fluoranthene	**0.507 J**	**0.0508 J**	**0.0525**	**0.131 J**	**0.0674 J**	--	--	--	--
Carbazole	1.56 U	**0.0853 J**	0.0359 U	0.0335 U	**0.043**	**0.048**	**0.0266 J**	**0.928**	**0.702 J**
Chrysene	**0.975**	**0.0418 J**	**0.0363 J**	**0.178**	**0.0906 J**	**0.016**	**0.0209**	0.0643 U	0.638 U
Dibenzo(a,h)anthracene	0.78 U	0.0726 U	0.0179 U	**0.0565**	**0.0277**	0.016 U	**0.00963 J**	0.0643 U	0.638 U
Dibenzofuran	1.56 U	0.145 U	0.0359 U	**0.0343**	0.0339 U	**0.0808**	**0.025 J**	**0.258**	1.28 U
Fluoranthene	**1.07 J**	**0.0781 J**	**0.0363**	**0.279**	**0.0968**	**0.183**	**0.0845**	**0.148**	1.28 U
Fluorene	1.56 U	**0.118 J**	0.0359 U	**0.0888**	**0.0392**	**0.179**	**0.05**	**0.866**	1.28 U
Indeno(1,2,3-c,d)pyrene	**1.6**	**0.211**	**0.101**	**0.446**	**0.198**	**0.0376**	**0.0637**	0.0643 U	0.638 U
Naphthalene	3.12 U	0.291 U	**0.044 J**	**0.19**	**0.179**	**0.538**	**0.0486 J**	**4.64**	**1.37 J**
Phenanthrene	3.12 U	0.291 U	0.0718 U	**0.0921**	**0.0595 J**	**0.0532 J**	**0.0499 J**	**0.479**	2.55 U

Table 1
Laboratory Testing Results

Location ID	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-091815-27	GS-032116-69	GS-101916-86	GS-100517-64	GS-091318-32	GS-100719-89	GS-121819-14	GS-031720-68	GS-061120-15
Sample Date	9/18/2015	3/21/2016	10/19/2016	10/5/2017	9/13/2018	10/7/2019	12/18/2019	3/17/2020	6/11/2020
Depth	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599
Y	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817
Pyrene	**2.55**	**0.172**	**0.0592**	**0.487**	**0.194**	**0.235**	**0.132**	**0.147**	1.28 U
Total PAH (17) (U = 0)	**14.332 J**	**3.4828 J**	**2.4705 J**	**6.1496 J**	**3.6163 J**	**4.1106 J**	**2.74313 J**	**19.6791 J**	**9.32 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	**0.515**	**0.183 J**	0.198 U	**0.216**	**0.254**	**0.162 J**	0.19 U	**1.16**	**0.156 J**
Gasoline range hydrocarbons	0.1 U	0.1 U	0.1 U	0.1 U	**0.0658 J**	0.1 U	0.1 U	**0.596**	**0.134**
Oil range organics	0.435 U	0.381 U	**0.544**	0.377 U	0.392 U	**0.273 J**	**0.602**	0.377 U	**0.193 J**

Table 1
Laboratory Testing Results

Location ID	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-102920-103	GS-121020-11	GS-030921-11	GS-061021-15	GS-100721-124	GS-121421-10	GS-031022-12	GS-061522-06	GS-100422-113
Sample Date	10/29/2020	12/10/2020	3/9/2021	6/10/2021	10/7/2021	12/14/2021	3/10/2022	6/15/2022	10/4/2022
Depth	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599
Y	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817
Conventional Parameters (mg/L)									
Cyanide	**0.49**	**0.393**	**0.425**	**0.457**	**0.379**	**0.393**	**0.363**	**0.461**	**0.456**
Cyanide, available	**0.0115**	**0.00587**	**0.00381**	**0.0057**	**0.00179 J**	**0.00646 J**	**0.00944**	**0.0141**	**0.0019 J**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	**26.7 J**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**2.33**	**1.76**	**0.885 J**	**1.69**	**1.45**	1 U	1 U	**0.811 J**	**1.24**
Barium	**66.1**	**46.5**	**63**	**64.6**	**45.2**	**53.2**	**49.8**	**64.6**	**54.3**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	2 U	**1.41 J**	2 U	**2.25**	2 U
Iron	**13300**	**1330**	**5480**	**20900**	**18500**	**1010**	**3890**	**5480**	**12200**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.166 J**	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**3190**	**994**	**3320**	**3930**	**6220**	**900**	**1810**	**2120**	**4790**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**106**	**135**	**266**	**183**	**145**	**217**	**180**	**488**	**188**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**88.7**	**447**	**72.5**	**84.9**	**289**	**359**	**32.4**	**57.4**	**273**
Zinc	**5.45**	**4.38**	**6.6**	**5.78**	**10.3**	**6.37**	**6.7**	**6.03**	**8.13**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-102920-103	GS-121020-11	GS-030921-11	GS-061021-15	GS-100721-124	GS-121421-10	GS-031022-12	GS-061522-06	GS-100422-113
Sample Date	10/29/2020	12/10/2020	3/9/2021	6/10/2021	10/7/2021	12/14/2021	3/10/2022	6/15/2022	10/4/2022
Depth	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599
Y	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	**0.16 J**	0.2 U	**251**	**0.73**	0.2 U	0.2 U	**0.82**	**1.51**	**0.3**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	5 UJ	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	0.5 U	0.5 U	**0.96**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	**0.69 J**	1 U	1 U	1 U	1 U	1 U	1 U

Table 1
Laboratory Testing Results

Location ID	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-102920-103	GS-121020-11	GS-030921-11	GS-061021-15	GS-100721-124	GS-121421-10	GS-031022-12	GS-061522-06	GS-100422-113
Sample Date	10/29/2020	12/10/2020	3/9/2021	6/10/2021	10/7/2021	12/14/2021	3/10/2022	6/15/2022	10/4/2022
Depth	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599
Y	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817
m,p-Xylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	**2.33**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	1 U	1 U	**0.72 J**	1 U	1 U	1 U	1 U	1 U	1 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	**0.16 J**	1 U	**255.01 J**	**0.73**	1 U	1 U	**0.82**	**1.51**	**0.3**
Total VOC (U = 0)	**0.16 J**	20 U	**255.7 J**	**0.73**	20 U	20 U	**0.82**	**1.51**	**0.3**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**0.108**	0.285 U	**5.95**	**0.156 J**	**0.26**	**0.0352 J**	**0.0956**	**0.147**	**0.216**
2-Methylnaphthalene	0.0726 U	0.285 U	2.8 U	0.0662 U	0.0806 U	0.0655 U	0.0659 U	**0.0617 J**	**0.118**
Acenaphthene	0.227 U	**0.0749 J**	**11.3**	**1.05 J**	**1.89**	**0.242**	**0.252**	**0.202**	**0.413**
Acenaphthylene	**2.54**	**1.15 J**	**4.71**	**1.55 J**	**1.56**	**0.757**	**1.51**	**1.52**	**2.22**
Anthracene	**2.63**	**1.51 J**	**2.96**	**1.35 J**	**1.42**	**1.13**	**2**	**2.07**	**2.36**
Benzo(a)anthracene	**0.0771**	**0.0696 J**	0.7 U	**0.0658 J**	**0.0609**	**0.0487**	**0.0515**	**0.0531**	**0.0507**
Benzo(a)pyrene	0.0318 U	**0.041 J**	0.7 U	**0.0964 J**	0.0287 U	**0.0381**	**0.0115 J**	**0.0223**	0.0195 U
Benzo(b)fluoranthene	0.0306 U	0.0714 U	0.7 U	**0.0629 J**	0.0201 U	**0.0397**	**0.019 J**	**0.0291**	0.0244 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.0363 U	**0.0821 J**	1.4 U	**0.0679 J**	0.0403 U	**0.0598**	**0.0317 J**	**0.0866**	0.039 U
Benzo(j,k)fluoranthene	0.0481 U	0.0714 U	0.7 U	**0.0588 J**	0.0468 U	**0.0324**	**0.0346**	**0.0351**	0.0609 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	**0.138**	0.143 U	**2.01**	**0.0898 J**	**0.0846**	**0.0426**	**0.121**	**0.137**	0.146 U
Chrysene	0.0193 U	0.0714 U	0.7 U	**0.0356 J**	**0.0151 J**	**0.0123 J**	**0.0136 J**	**0.0133 J**	**0.0122 J**
Dibenzo(a,h)anthracene	0.0182 U	0.0714 U	0.7 U	0.0166 U	**0.0116 J**	0.0164 U	0.0165 U	0.0171 U	0.0195 U
Dibenzofuran	**0.207**	0.143 U	1.4 U	**0.0778 J**	**0.0745**	**0.0635**	**0.119**	**0.0566**	**0.103**
Fluoranthene	**0.321**	**0.123 J**	1.4 U	**0.0956 J**	**0.0937**	**0.0504**	**0.0915**	**0.0758**	**0.0906**
Fluorene	**0.511**	**0.144 J**	**1.7**	**0.31 J**	**0.261**	**0.136**	**0.375**	**0.247**	**0.506**
Indeno(1,2,3-c,d)pyrene	0.0182 U	0.0714 U	0.7 U	**0.0455 J**	0.0201 U	**0.0385**	**0.0206**	**0.0514**	**0.0107 J**
Naphthalene	**0.0644 J**	0.285 U	**22.5**	**0.284 J**	**0.373**	0.0655 U	**0.0849**	**0.54**	**0.221**
Phenanthrene	**0.319**	**0.271 J**	**2.36 J**	**0.147 J**	**0.285**	0.0655 U	**0.433**	**0.395**	**0.25**

Table 1
Laboratory Testing Results

Location ID	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26	MW-03-26
sys_sample_code	GS-102920-103	GS-121020-11	GS-030921-11	GS-061021-15	GS-100721-124	GS-121421-10	GS-031022-12	GS-061522-06	GS-100422-113
Sample Date	10/29/2020	12/10/2020	3/9/2021	6/10/2021	10/7/2021	12/14/2021	3/10/2022	6/15/2022	10/4/2022
Depth	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft	15 - 25 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599	7623842.599
Y	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817	705486.817
Pyrene	**0.353**	**0.159 J**	1.4 U	**0.161 J**	**0.157**	**0.0528**	**0.0787**	**0.0698**	**0.11**
Total PAH (17) (U = 0)	**6.8155 J**	**3.6246 J**	**45.53 J**	**5.3805 J**	**6.1273 J**	**2.6377 J**	**5.0076 J**	**5.4722 J**	**6.3622 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	**0.71**	**0.322**	**0.756**	**0.723**	**0.659**	**0.521**	**0.696 J**	**0.645**	**0.635**
Gasoline range hydrocarbons	0.1 U	0.1 U	**1.5**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Oil range organics	**1.14**	**0.435**	**0.294 J**	0.377 U	0.381 U	0.381 U	0.377 U	0.374 U	0.381 U

Table 1
Laboratory Testing Results

Location ID	MW-03-26	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35
sys_sample_code	GS-121922-14	GS-031314-30	GS-101414-69	GS-031015-41	GS-091615-02	GS-030916-11	GS-101016-59	GS-091917-15	GS-091318-33
Sample Date	12/19/2022	3/13/2014	10/14/2014	3/10/2015	9/16/2015	3/9/2016	10/10/2016	9/19/2017	9/13/2018
Depth	15 - 25 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6
Y	705486.817	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
Conventional Parameters (mg/L)									
Cyanide	**0.463**	**0.107**	**0.138**	**0.0784**	**0.126**	**0.0639**	**0.132**	**0.219**	**0.171**
Cyanide, available	**0.001 J**	**0.00262**	**0.00267**	0.002 U	0.002 U	0.002 U	0.002 U	**0.00222**	**0.0117**
Cyanide, free	0.005 U	0.005 U	0.005 U	**0.005**	0.005 UJ	0.005 U	0.005 U	**0.002 J**	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	**38 J**	**365**	**38.6 J**	50 U	50 U	**36 J**	50 U
Antimony	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Arsenic	**1.39**	**1.89**	**5.04**	**2.84**	**4.13**	**1.94**	**5.08**	**3.72**	**3.27**
Barium	**82.6**	**113**	**120**	**124**	**92**	**84**	**114**	**116**	**135**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	**0.0778 J**	0.2 U	0.2 U	0.2 U	**0.0669 J**	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	2 U	**20**	**40.7**	**9.89**	**47.1 J**	**12.3**	**3.98**	**19**	**22.5**
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	**0.789 J**	**1.21**	**3.57**	**2.09**	**1.01**	1 U	**0.607 J**	**0.874 J**
Iron	**15300**	**18100**	**34500**	**16100**	**26800**	**12500**	**29000**	**34400**	**38400 J**
Lead	0.2 U	0.2 U	**0.267**	**0.889**	**0.556**	**0.1 J**	**0.222**	**0.112 J**	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**4860**	**5060**	**8040**	**4350**	**7060**	**3790 J**	**7220**	**8480**	**10900 J**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**122**	**10.5**	**22.3**	**6.04**	**24.1**	**6.93**	**3.17**	**10.4**	**12.2**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	2 U	**0.667 J**	1 U	1 U	**0.5 J**	1 U	**1.86**
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**58.9**	1 U	**0.711 J**	**2.67**	1 U	**0.667 J**	**0.889 J**	**0.839 J**	**0.978 J**
Zinc	**3.79 J**	4 U	4 U	**4.14**	4 U	4 U	4 U	4 U	4 U
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,1,1-Trichloroethane	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,1-Dichloroethene	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	5 U	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	1 U	1 U	**0.56 J**	1 U	**0.65 J**	1 U	1 U	**0.824 J**	1 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-03-26	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35
sys_sample_code	GS-121922-14	GS-031314-30	GS-101414-69	GS-031015-41	GS-091615-02	GS-030916-11	GS-101016-59	GS-091917-15	GS-091318-33
Sample Date	12/19/2022	3/13/2014	10/14/2014	3/10/2015	9/16/2015	3/9/2016	10/10/2016	9/19/2017	9/13/2018
Depth	15 - 25 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6
Y	705486.817	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,2-Dichloroethene, cis-	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	--	--	--	--	--	--	2 U	2 U
Benzene	0.2 U	0.25 U	**0.29**	**0.5**	**0.27**	0.2 U	**0.162 J**	**0.339**	**0.199 J**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 UJ
Carbon disulfide	10 U	--	--	--	--	--	--	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	1 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	10 U	5 U	5 U	5 U	5 U	3 U	3 U	3 U	3 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 1
Laboratory Testing Results

Location ID	MW-03-26	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35
sys_sample_code	GS-121922-14	GS-031314-30	GS-101414-69	GS-031015-41	GS-091615-02	GS-030916-11	GS-101016-59	GS-091917-15	GS-091318-33
Sample Date	12/19/2022	3/13/2014	10/14/2014	3/10/2015	9/16/2015	3/9/2016	10/10/2016	9/19/2017	9/13/2018
Depth	15 - 25 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6
Y	705486.817	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
m,p-Xylene	1 U	1 U	**1.24**	**0.56 J**	**1.3**	1 U	1 U	**1.45**	**1.16**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.5 U	0.5 U	**0.78**	**0.3 J**	**0.99**	0.5 U	0.5 U	**1.1**	**0.738**
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U
Total BTEX (U = 0)	1 U	1 U	**2.31**	**1.36 J**	**2.56**	1 U	**0.162 J**	**2.889**	**2.097 J**
Total VOC (U = 0)	20 UJ	20 U	**2.87 J**	**1.36 J**	**3.21 J**	20 UJ	**0.162 J**	**3.713 J**	**2.097 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	0.316 U	**1.02**	**10.1**	**2.57**	**16.9**	**2.4 J**	65.2 U	**12.2**	**7.47**
2-Methylnaphthalene	0.316 U	0.0463 U	4 U	**0.102**	**0.572**	2.7 U	65.2 U	**0.111**	**0.0673**
Acenaphthene	**0.456**	**29.5**	**45.6**	**43.3**	**94.8**	**38.7**	**97.8**	**65.9**	**68.3**
Acenaphthylene	**1.84**	**0.944**	**4.22**	**1.71**	**3.56**	**2.4**	32.6 U	**1.94**	**2.24**
Anthracene	**2.12**	**1.11**	**2.75**	**1.76**	**4.04**	**1.32 J**	32.6 U	**2.39**	**2.29**
Benzo(a)anthracene	**0.0809**	**0.128**	1 U	**0.522**	**0.404**	0.676 U	16.3 U	**0.191**	**0.227**
Benzo(a)pyrene	**0.0415 J**	**0.0384**	1 U	**0.527**	**0.209**	0.676 U	16.3 U	**0.0862**	**0.109**
Benzo(b)fluoranthene	**0.0513 J**	--	1 U	**0.382**	**0.197**	0.676 U	16.3 U	**0.0785 J**	**0.116 J**
Benzo(b,k)fluoranthene	--	**0.0563**	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.158 U	**0.0192 J**	2 U	**0.347**	**0.162**	1.35 U	32.6 U	**0.0431**	**0.0444**
Benzo(j,k)fluoranthene	**0.0494 J**	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	1 U	**0.11**	**0.069 J**	0.676 U	16.3 U	**0.0341 J**	**0.057 J**
Carbazole	**0.103 J**	**0.0398**	2 U	**0.151**	**0.319**	1.35 U	32.6 U	**0.115**	**0.0791**
Chrysene	0.079 U	**0.151**	1 U	**0.521**	**0.39**	0.676 U	16.3 U	**0.164**	**0.196**
Dibenzo(a,h)anthracene	0.079 U	0.0194 U	1 U	**0.0408**	0.0788 U	0.676 U	16.3 U	**0.00976 J**	0.0167 U
Dibenzofuran	**0.132 J**	**0.138**	2 U	**0.241**	**0.808**	1.35 U	32.6 U	**0.513**	**0.387**
Fluoranthene	**0.136 J**	**4.16**	**4.55**	**6.59**	**9.98**	**5.32**	32.6 U	**5.11**	**5.98**
Fluorene	**0.344**	**8.11**	**12.5**	**6.94**	**27.6**	**9.77**	**22.4 J**	**17.4**	**20.6**
Indeno(1,2,3-c,d)pyrene	**0.0474 J**	**0.0165 J**	1 U	**0.28**	**0.106**	0.676 U	16.3 U	**0.0358**	**0.0422**
Naphthalene	0.316 U	0.333 U	**3.42 J**	**1.11**	**4.02**	2.7 U	65.2 U	**0.875**	**0.716**
Phenanthrene	**0.43**	**0.487**	**5.58**	**1.63**	**6.76**	2.7 U	65.2 U	**4.37**	**3.16**

Table 1
Laboratory Testing Results

Location ID	MW-03-26	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35
sys_sample_code	GS-121922-14	GS-031314-30	GS-101414-69	GS-031015-41	GS-091615-02	GS-030916-11	GS-101016-59	GS-091917-15	GS-091318-33
Sample Date	12/19/2022	3/13/2014	10/14/2014	3/10/2015	9/16/2015	3/9/2016	10/10/2016	9/19/2017	9/13/2018
Depth	15 - 25 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623842.599	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6
Y	705486.817	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
Pyrene	**0.219**	**3.78**	**4.72**	**6.71**	**9.66**	**5.12**	32.6 U	**4.64**	**5.41**
Total PAH (17) (U = 0)	**5.8155 J**	**48.5004 J**	**83.34 J**	**72.5818**	**162.529 J**	**62.63 J**	**120.2 J**	**103.37846 J**	**109.5549 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	**0.979 J**	--	**0.958**	**0.474**	**0.703**	**0.251**	**0.611**	**0.735**	**0.79**
Gasoline range hydrocarbons	0.1 U	--	**0.086 J**	0.1 U	**0.129**	0.1 U	0.1 U	**0.128**	**0.109**
Oil range organics	0.385 U	--	0.377 U	0.404 U	0.385 U	0.377 U	0.377 U	0.374 U	0.385 U

Table 1
Laboratory Testing Results

Location ID	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35
sys_sample_code	GS-093019-63	GS-121819-11	GS-031820-70	GS-061020-13	GS-101220-31	GS-120820-04	GS-030921-12	GS-061021-17	GS-061021-18
Sample Date	9/30/2019	12/18/2019	3/18/2020	6/10/2020	10/12/2020	12/8/2020	3/9/2021	6/10/2021	6/10/2021
Depth	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft
Sample Type	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6
Y	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
Conventional Parameters (mg/L)									
Cyanide	**0.21**	**0.168**	**0.245**	**0.0721**	**0.251**	**0.127**	**0.161**	**0.188**	**0.177**
Cyanide, available	0.002 U	0.002 U	**0.00142 J**	**0.00151 J**	**0.00176 J**	0.002 UJ	**0.00145 J**	**0.00132 J**	**0.00111 J**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 UJ
Metals (µg/L)									
Aluminum	50 U	50 U	**28.3 J**	**29.4 J**	50 U	50 U	50 U	50 U	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**3.65**	**4.28**	**3.94**	**1.57**	**3.26**	**3.77**	**2.33**	**1.74**	**1.71**
Barium	**102**	**96.9**	**135**	**84.6**	**117**	**123**	**139**	**116**	**117**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	**20.1**	**19.3**	**26.9**	**2.24**	**7.05**	1 U	1 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	**0.706 J**	**0.833 J**	**1.05 J**	2 U	2 U	2 U	2 U	2 U	2 U
Iron	**32600**	**29900**	**41100**	**15700**	**33700**	**20800**	**23900**	**27600**	**27500**
Lead	**0.122 J**	**0.106 J**	**0.229**	**0.158 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**8600**	**7980**	**10400**	**4740**	**9020**	**6040**	**6930**	**8430**	**8280**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**11.5**	**11.4 J**	**17.4**	**1.88 J**	**4.78**	2 U	2 U	2 U	2 U
Potassium	--	--	**3030**	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**0.73 J**	**0.602 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Zinc	4 U	4 U	4 U	**3.89 J**	4 U	**6.13**	**4.5**	**3.48 J**	**3.11 J**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1 U	0.4 U	0.4 U	0.4 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	1 U	1 U	**0.524 J**	1 U	**0.65 J**	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35
sys_sample_code	GS-093019-63	GS-121819-11	GS-031820-70	GS-061020-13	GS-101220-31	GS-120820-04	GS-030921-12	GS-061021-17	GS-061021-18
Sample Date	9/30/2019	12/18/2019	3/18/2020	6/10/2020	10/12/2020	12/8/2020	3/9/2021	6/10/2021	6/10/2021
Depth	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft
Sample Type	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6
Y	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	**0.201**	**0.514**	**0.656 J**	0.2 U	**0.21**	**1.89**	**0.6**	**0.149 J**	**0.14 J**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U
Carbon disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 1
Laboratory Testing Results

Location ID	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35
sys_sample_code	GS-093019-63	GS-121819-11	GS-031820-70	GS-061020-13	GS-101220-31	GS-120820-04	GS-030921-12	GS-061021-17	GS-061021-18
Sample Date	9/30/2019	12/18/2019	3/18/2020	6/10/2020	10/12/2020	12/8/2020	3/9/2021	6/10/2021	6/10/2021
Depth	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft
Sample Type	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6
Y	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
m,p-Xylene	**1.1**	**0.935 J**	**1.16**	1 U	**1.24**	1 U	**0.62 J**	**0.601 J**	**0.622 J**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	**0.559**	**0.474 J**	**0.614 J**	0.5 U	**0.85**	0.5 U	**0.32 J**	**0.308 J**	**0.31 J**
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	1 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	**1.86**	**1.923 J**	**2.43 J**	1 U	**2.3**	**1.89**	**1.54 J**	**1.058 J**	**1.072 J**
Total VOC (U = 0)	**1.86**	**1.923 J**	**2.954 J**	20 U	**2.95 J**	**1.89**	**1.54 J**	**1.058 J**	**1.072 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**7.63**	**7.82**	**11.8**	**1.25**	**7.81**	**1.31 J**	**3.26**	**3.22**	**3.17**
2-Methylnaphthalene	**0.0541 J**	0.652 U	**0.0809**	0.0642 U	**0.121**	1.41 U	0.687 U	2.57 U	2.55 U
Acenaphthene	**38.5**	**80.9**	**65.2**	**40.7**	**48.6**	**37.7**	**38.7**	**42.4**	**45.8**
Acenaphthylene	**2.21**	**4.94**	**3.17**	**1.48**	**2.69**	**2.35**	**3.59**	**2.89**	**3.14**
Anthracene	**2.51**	**3.29**	**3.17**	**1.15**	**2.28**	**1.49**	**1.55**	**1.75**	**1.96**
Benzo(a)anthracene	**0.166**	**0.35**	**0.147**	**0.124**	**0.126**	**0.255 J**	**0.215**	0.643 U	**0.318 J**
Benzo(a)pyrene	**0.0417**	**0.192**	**0.0366**	**0.0678**	**0.036**	0.352 U	**0.133 J**	0.643 U	0.637 U
Benzo(b)fluoranthene	**0.0387 J**	**0.153 J**	**0.0267 J**	**0.0542**	**0.0277 J**	0.352 U	0.172 U	0.643 U	0.637 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.0344 U	0.326 U	0.0402 U	**0.0377**	0.0418 U	0.704 U	0.343 U	1.29 U	1.27 U
Benzo(j,k)fluoranthene	**0.0221 J**	0.163 U	**0.027 J**	**0.0201 J**	**0.0298 J**	0.352 U	0.172 U	0.643 U	0.637 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	**0.0653**	**0.239 J**	**0.307**	0.0321 U	**0.126**	0.704 U	**0.262 J**	1.29 U	1.27 U
Chrysene	**0.135**	**0.299**	**0.0986**	**0.117**	**0.112**	0.352 U	**0.159 J**	0.643 U	0.637 U
Dibenzo(a,h)anthracene	0.0172 U	0.163 U	0.0201 U	0.016 U	0.0209 U	0.352 U	0.172 U	0.643 U	0.637 U
Dibenzofuran	**0.47**	**0.822**	**0.982**	**0.131**	**0.449**	0.704 U	**0.249 J**	1.29 U	1.27 U
Fluoranthene	**6.39**	**7.97**	**6.24**	**3.81**	**5.43**	**5.51**	**5.34**	**3.92**	**4.11**
Fluorene	**9.89**	**22.9**	**17**	**7.26**	**12.1**	**9.9**	**9.27**	**11.1**	**10.9**
Indeno(1,2,3-c,d)pyrene	0.0172 U	0.163 U	0.0201 U	**0.0293**	**0.0131 J**	0.352 U	0.172 U	0.643 U	0.637 U
Naphthalene	**0.576**	**0.674**	**0.676**	0.161 U	**0.666**	1.41 U	**0.61 J**	2.57 U	2.55 U
Phenanthrene	**2.63**	**3.38**	**4.79**	**0.644**	**2.9**	1.41 U	**1.78**	**1.37 J**	**1.59 J**

Table 1
Laboratory Testing Results

Location ID	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35
sys_sample_code	GS-093019-63	GS-121819-11	GS-031820-70	GS-061020-13	GS-101220-31	GS-120820-04	GS-030921-12	GS-061021-17	GS-061021-18
Sample Date	9/30/2019	12/18/2019	3/18/2020	6/10/2020	10/12/2020	12/8/2020	3/9/2021	6/10/2021	6/10/2021
Depth	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft
Sample Type	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6
Y	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2
Pyrene	**5.59**	**7.24**	**5.58**	**3.59**	**5.05**	**5.35**	**5.17**	**3.84**	**4.11**
Total PAH (17) (U = 0)	**68.7536 J**	**132.288 J**	**106.2428 J**	**59.0841 J**	**80.1816 J**	**62.555 J**	**66.517 J**	**67.27 J**	**71.928 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	**1.05**	**0.542**	**1.04**	0.189 U	**0.844**	**0.312**	**0.546**	**0.78**	**0.663**
Gasoline range hydrocarbons	**0.11**	**0.0995 J**	**0.083 J**	0.1 U	**0.0897 J**	0.1 U	0.1 U	**0.0623 J**	**0.0618 J**
Oil range organics	0.374 U	0.377 U	0.388 U	**0.725**	**0.24 J**	0.377 U	**0.672**	0.377 U	0.381 U

Table 1
Laboratory Testing Results

Location ID	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-21-12	MW-21-12
sys_sample_code	GS-100521-113	GS-121421-07	GS-032122-39	GS-061422-04	GS-092222-62	GS-121522-12	GS-121522-13	GS-031414-36	GS-101014-40
Sample Date	10/5/2021	12/14/2021	3/21/2022	6/14/2022	9/22/2022	12/15/2022	12/15/2022	3/14/2014	10/10/2014
Depth	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	7 - 12 ft	7 - 12 ft
Sample Type	N	N	N	N	N	N	FD	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7623633.518	7623633.518
Y	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705643.011	705643.011
Conventional Parameters (mg/L)									
Cyanide	**0.247**	**0.114**	**0.118**	**0.154**	**0.304**	**0.128**	**0.126**	**0.0136**	**0.0276**
Cyanide, available	0.002 U	**0.00106 J**	0.002 U	**0.00365**	0.002 UJ	0.002 U	0.002 U	**0.00218**	0.002 U
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	**205**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**3.64**	**2.07**	**1.53**	**2.23**	**3.48**	**3.06**	**3.05**	1 U	1 U
Barium	**122**	**104**	**108**	**89**	**134**	**122**	**123**	**44.8**	**55.3**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	**8.4**	2 U	2 U	2 U	**22.5**	2 U	2 U	**0.944 J**	1 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	**1.19**
Iron	**40900**	**18900**	**20400**	**21400**	**37200**	**18100**	**17900**	**17300**	**17000**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	**0.125 J**	0.2 U	0.2 U	0.2 U	**0.3**
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**10700**	**5120**	**5490**	**5680**	**11900**	**6360**	**6320**	**1940**	**1550**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**5.72**	2 U	2 U	2 U	**11.8**	**1.09 J**	2 U	**1.31 J**	**3.43**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	2 U	2 U	2 U	2 U	2 U	20 U	20 U	**0.656 J**	**2.8**
Zinc	4 U	**2.18 J**	**2.52 J**	4 U	4 U	**3.47 J**	**3.26 J**	4 U	**7.57**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U
1,1-Dichloroethene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	5 U	5 U	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**1.03**	1 U	1 U	1 U	**0.75 J**	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-21-12	MW-21-12
sys_sample_code	GS-100521-113	GS-121421-07	GS-032122-39	GS-061422-04	GS-092222-62	GS-121522-12	GS-121522-13	GS-031414-36	GS-101014-40
Sample Date	10/5/2021	12/14/2021	3/21/2022	6/14/2022	9/22/2022	12/15/2022	12/15/2022	3/14/2014	10/10/2014
Depth	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	7 - 12 ft	7 - 12 ft
Sample Type	N	N	N	N	N	N	FD	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7623633.518	7623633.518
Y	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705643.011	705643.011
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	2 U	--	--
Benzene	**0.417**	**0.117 J**	**0.22**	0.2 U	**0.99**	**0.11 J**	**0.11 J**	0.25 U	**0.33**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
Carbon disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	--	--
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U	**0.54 J**	1 U	1 U	**7.37**	**6.52**

Table 1
Laboratory Testing Results

Location ID	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-21-12	MW-21-12
sys_sample_code	GS-100521-113	GS-121421-07	GS-032122-39	GS-061422-04	GS-092222-62	GS-121522-12	GS-121522-13	GS-031414-36	GS-101014-40
Sample Date	10/5/2021	12/14/2021	3/21/2022	6/14/2022	9/22/2022	12/15/2022	12/15/2022	3/14/2014	10/10/2014
Depth	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	7 - 12 ft	7 - 12 ft
Sample Type	N	N	N	N	N	N	FD	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7623633.518	7623633.518
Y	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705643.011	705643.011
m,p-Xylene	**1.64**	1 U	1 U	1 U	**1.64**	1 U	1 U	**1.5**	**1.49**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**2.36**	**1.68**
n-Propylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**2.88**	**2.7**
o-Xylene	**1.36**	0.5 U	0.5 U	0.5 U	**1.21**	0.5 U	0.5 U	**0.38 J**	**0.28 J**
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**2.34**	**1.73**
Styrene	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U
Total BTEX (U = 0)	**3.417**	**0.117 J**	**0.22**	1 U	**3.84**	**0.11 J**	**0.11 J**	**1.88 J**	**2.1 J**
Total VOC (U = 0)	**4.447**	**0.117 J**	**0.22**	20 U	**5.13 J**	**0.11 J**	**0.11 J**	**16.83 J**	**14.73 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**10.8**	**1.48**	**1.71**	**7.37**	**9.91**	**0.828**	**0.778**	**1.39**	**2.33**
2-Methylnaphthalene	**0.225**	**0.065 J**	0.0803 U	**0.0783**	**0.154**	0.673 U	0.688 U	0.377 U	**0.265 J**
Acenaphthene	**63.4**	**40.1**	**31.7**	**62.7**	**58.5**	**37.2**	**39.5**	**16.1**	**16.2**
Acenaphthylene	**2.2**	**1.42**	**2.06**	**2.48**	**4.17**	**4.97**	**4.83**	0.849 U	1.4 U
Anthracene	**2.21**	**1.29**	**1.39**	**2.23**	**3.57**	**1.45**	**1.53**	**0.296**	**0.625**
Benzo(a)anthracene	**0.0843**	**0.13**	**0.0883**	**0.118**	**0.162**	**0.189**	**0.219**	0.189 U	**0.06 J**
Benzo(a)pyrene	0.0527 U	**0.0333**	**0.0196 J**	**0.0209**	**0.0438**	0.168 U	0.172 U	0.189 U	**0.0875 J**
Benzo(b)fluoranthene	0.0362 U	**0.0379**	**0.0241**	**0.0272 J**	**0.0358**	0.168 U	0.172 U	0.189 U	0.1 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**0.0352 J**	0.0333 U	0.0402 U	0.0389 U	0.0398 U	0.336 U	0.344 U	0.189 U	0.2 U
Benzo(j,k)fluoranthene	0.0357 U	**0.0175 J**	**0.0146 J**	**0.0126 J**	**0.0244 J**	0.168 U	0.172 U	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	0.189 U	0.1 U
Carbazole	**0.172**	0.0416 U	0.1 U	0.0876 U	**0.266**	0.336 U	0.344 U	0.189 U	0.2 U
Chrysene	0.06 U	**0.0941**	**0.0913**	**0.108**	**0.13**	**0.189**	**0.189**	0.189 U	**0.05 J**
Dibenzo(a,h)anthracene	0.0207 U	0.0167 U	0.0201 U	0.0195 U	0.0199 U	0.168 U	0.172 U	0.189 U	0.1 U
Dibenzofuran	**0.697**	**0.174**	**0.114**	**0.141**	**0.725**	0.336 U	0.344 U	**1.13**	**1.02**
Fluoranthene	**3.61**	**4.17**	**3.59**	**4.47**	**6.28**	**5.3**	**5.6**	0.189 U	**0.182 J**
Fluorene	**12.9**	**7.99**	**7.72**	**18.3**	**18.3**	**10.5**	**11.2**	**11.3**	**10.9**
Indeno(1,2,3-c,d)pyrene	0.0207 U	0.0167 U	0.0201 U	0.0195 U	0.0199 U	0.168 U	0.172 U	0.189 U	**0.05 J**
Naphthalene	**1.9**	**0.319**	**0.316**	**0.383**	**1.58**	0.673 U	0.688 U	0.943 U	**1.14 J**
Phenanthrene	**4.69**	**0.703**	**0.777**	**2.72**	**4.44**	**0.551 J**	**0.533 J**	0.189 U	**0.322 J**

Table 1
Laboratory Testing Results

Location ID	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-04-35	MW-21-12	MW-21-12
sys_sample_code	GS-100521-113	GS-121421-07	GS-032122-39	GS-061422-04	GS-092222-62	GS-121522-12	GS-121522-13	GS-031414-36	GS-101014-40
Sample Date	10/5/2021	12/14/2021	3/21/2022	6/14/2022	9/22/2022	12/15/2022	12/15/2022	3/14/2014	10/10/2014
Depth	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	24 - 34 ft	7 - 12 ft	7 - 12 ft
Sample Type	N	N	N	N	N	N	FD	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7624102.6	7623633.518	7623633.518
Y	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705378.2	705643.011	705643.011
Pyrene	**3.16**	**3.85**	**3.36**	**4.2**	**5.66**	**4.95**	**5.14**	**0.139 J**	**0.235**
Total PAH (17) (U = 0)	**94.4145 J**	**60.2198 J**	**51.1509 J**	**97.848 J**	**103.05 J**	**65.299 J**	**68.741 J**	**27.835 J**	**30.1165 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	**0.907**	**0.539**	**0.468 J**	**0.823 J**	**1.16**	**0.525 J**	**0.61 J**	--	**1.5**
Gasoline range hydrocarbons	**0.127**	**0.0641 J**	0.1 U	0.1 U	**0.131**	0.1 U	0.1 U	--	**0.6**
Oil range organics	0.374 U	**0.226 J**	**0.518**	0.381 U	0.381 U	**0.344 J**	**0.381 J**	--	0.392 U

Table 1
Laboratory Testing Results

Location ID	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12
sys_sample_code	GS-031715-58	GS-031016-19	GS-101816-78	GS-091817-11	GS-091918-41	GS-092419-44	GS-121719-06	GS-121719-07	GS-031820-72
Sample Date	3/17/2015	3/10/2016	10/18/2016	9/18/2017	9/19/2018	9/24/2019	12/17/2019	12/17/2019	3/18/2020
Depth	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
Sample Type	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518
Y	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011
Conventional Parameters (mg/L)									
Cyanide	**0.0132**	**0.019**	**0.0224**	**0.041**	**0.0183**	**0.0211**	**0.0338**	**0.03**	**0.0561**
Cyanide, available	0.002 U	0.002 U	0.002 U	**0.00246**	**0.00118 J**	0.002 U	0.002 U	0.002 U	**0.00106 J**
Cyanide, free	0.005 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	50 U	**56.4 J**	50 U	50 U	50 U	**36.5 J**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	1 U	**0.833 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Barium	**31.2**	**20.9**	**40.4**	**71.1**	**47.6**	**58.2**	**61.8**	**61.8**	**45.1**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	**0.689 J**	1 U	1 U	**1.25**	1 U	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	1 U	**0.611 J**	1 U	**0.889 J**	1 U	**0.737 J**	1 U	1 U	2 U
Iron	**11300**	**7650**	**11200**	**22100**	**14100**	**19000**	**20900**	**20700**	**18500**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**1200**	**679**	**1030**	**2040**	**1310**	**2120**	**2140**	**2160**	**1750**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	--	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**1.13**	**1.04**	**0.989 J**	**1.8**	**1.94**	**0.657 J**	**0.651 J**	**0.663 J**	2 U
Potassium	--	--	--	--	--	--	--	--	**3080**
Selenium	1 U	1 U	1 U	**0.533 J**	**0.567 J**	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	1 U	1 U	**0.656 J**	**0.5 J**	**1.92**	**0.503 J**	1 U	1 U	2 U
Zinc	4 U	**2.7 J**	**2.5 J**	4 U	**2.14 J**	**2.03 J**	4 U	4 U	4 U
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	20 U	20 U	0.4 U
1,1,1-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	20 U	20 U	0.4 U
1,1,2,2-Tetrachloroethane	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	25 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	25 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	20 U	20 U	0.4 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.5 U	0.5 U	0.4 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	100 U	100 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	100 U	100 U	2 U
1,2,4-Trimethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12
sys_sample_code	GS-031715-58	GS-031016-19	GS-101816-78	GS-091817-11	GS-091918-41	GS-092419-44	GS-121719-06	GS-121719-07	GS-031820-72
Sample Date	3/17/2015	3/10/2016	10/18/2016	9/18/2017	9/19/2018	9/24/2019	12/17/2019	12/17/2019	3/18/2020
Depth	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
Sample Type	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518
Y	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	25 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	20 U	20 U	0.4 U
1,2-Dichloroethene, cis-	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.5 U	0.5 U	0.4 U
1,2-Dichloroethene, trans-	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.5 U	0.5 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	25 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	25 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	25 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	500 U	500 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	500 U	500 U	10 U
Acetone	**12.9 J**	20 U	20 U	20 U	20 U	20 U	1000 U	1000 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	--	--	--	2 U	2 U	2 U	100 U	100 U	2 U
Benzene	**0.18 J**	**0.351**	**0.332**	**0.372**	**28.9**	**2220**	**1680**	**1790**	**4350**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	25 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	5 U
Carbon disulfide	--	--	--	10 U	10 U	10 U	500 U	500 U	10 U
Carbon tetrachloride (Tetrachloromethane)	0.5 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	25 U	0.5 U
Chloroethane	5 U	5 U	5 U	10 U	5 U	5 U	250 U	250 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Dichloromethane (Methylene chloride)	5 U	3 U	3 U	3 U	3 U	5 U	250 U	250 U	10 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	25 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	25 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	250 U	250 U	5 U
Isopropylbenzene (Cumene)	**8.25**	**7.47**	**6.75**	**7.1**	**5.04**	**5.24**	50 U	50 U	**6.25**

Table 1
Laboratory Testing Results

Location ID	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12
sys_sample_code	GS-031715-58	GS-031016-19	GS-101816-78	GS-091817-11	GS-091918-41	GS-092419-44	GS-121719-06	GS-121719-07	GS-031820-72
Sample Date	3/17/2015	3/10/2016	10/18/2016	9/18/2017	9/19/2018	9/24/2019	12/17/2019	12/17/2019	3/18/2020
Depth	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
Sample Type	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518
Y	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011
m,p-Xylene	**1.21**	**1.24**	**0.981 J**	**0.969 J**	**1.01**	**0.646 J**	50 U	50 U	**0.705 J**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	500 U	500 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	**1.89**	**2.12**	**1.39**	**1.94**	**1.68**	**1.65**	50 U	50 U	**1.94**
n-Propylbenzene	**2.7**	**3.55**	**2.55**	**2.8**	**2.41**	**1.7**	25 U	25 U	**1.9**
o-Xylene	**0.28 J**	**0.419 J**	**0.405 J**	**0.427 J**	**0.659**	**0.544**	25 U	25 U	**0.674**
sec-Butylbenzene	**1.93**	**1.87**	**1.47**	**1.8**	**1.47**	**1.45**	50 U	50 U	**2**
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Tetrachloroethene (PCE)	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	20 U	20 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	50 U	50 U	1 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.5 U	0.5 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	100 U	100 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.4 U
Total BTEX (U = 0)	**1.67 J**	**2.01 J**	**1.718 J**	**1.768 J**	**30.569**	**2221.19 J**	**1680**	**1790**	**4351.379 J**
Total VOC (U = 0)	**29.34 J**	**17.02 J**	**13.878 J**	**15.408 J**	**41.169**	**2231.23 J**	**1680**	**1790**	**4363.469 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**3.08**	**3.1**	64.2 U	**1.67**	**1.98**	**1.82**	**2.39**	**2.08**	**2.03 J**
2-Methylnaphthalene	0.191 U	2.89 U	64.2 U	0.168 U	**0.18 J**	0.649 U	**0.386 J**	0.72 U	2.88 U
Acenaphthene	**27.6**	**30.7**	**55.8**	**34.4**	**30.6**	**37.2**	**36.1**	**33.6**	**31.2**
Acenaphthylene	1.13 U	**2.83**	32.1 U	1.19 U	1.49 U	2.14 U	3.1 U	2.81 U	4.05 U
Anthracene	0.538 U	1.44 U	32.1 U	0.753 U	0.534 U	**0.921**	**1.27**	**1.23**	**1.32 J**
Benzo(a)anthracene	**0.0269**	0.722 U	16.1 U	**0.0258 J**	0.0854 U	0.162 U	0.177 U	0.18 U	0.72 U
Benzo(a)pyrene	**0.0143 J**	0.722 U	16.1 U	0.0159 U	0.0854 U	0.162 U	0.177 U	0.18 U	0.72 U
Benzo(b)fluoranthene	0.0174 U	0.722 U	16.1 U	0.0159 U	0.0854 U	0.162 U	0.177 U	0.18 U	0.72 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.0347 U	1.44 U	32.1 U	0.0317 U	0.171 U	0.325 U	0.354 U	0.36 U	1.44 U
Benzo(j,k)fluoranthene	--	--	--	--	--	0.162 U	0.177 U	0.18 U	0.72 U
Benzo(k)fluoranthene	0.0174 U	0.722 U	16.1 U	0.0159 U	0.0854 U	--	--	--	--
Carbazole	0.0347 U	1.44 U	32.1 U	0.0317 U	0.171 U	0.325 U	0.354 U	0.36 U	1.44 U
Chrysene	**0.0308**	0.722 U	16.1 U	**0.0166 J**	0.0854 U	0.162 U	0.177 U	0.18 U	0.72 U
Dibenzo(a,h)anthracene	0.0174 U	0.722 U	16.1 U	0.0159 U	0.0854 U	0.162 U	0.177 U	0.18 U	0.72 U
Dibenzofuran	**0.872**	**1.06 J**	32.1 U	0.594 U	**0.685**	0.617 U	0.586 U	0.63 U	1.44 U
Fluoranthene	**0.0981**	1.44 U	32.1 U	**0.0943**	**0.0926 J**	0.325 U	0.354 U	0.36 U	1.44 U
Fluorene	**17.7**	**14.9**	**20.5 J**	**16.9**	**15.3**	**16.4**	**15.8**	**15.9**	**14**
Indeno(1,2,3-c,d)pyrene	0.0174 U	0.722 U	16.1 U	0.0159 U	0.0854 U	0.162 U	0.177 U	0.18 U	0.72 U
Naphthalene	0.851 U	2.89 U	64.2 U	1.47 U	1.33 U	1.23 U	5.31 U	1.69 U	2.88 U
Phenanthrene	0.0695 U	2.89 U	64.2 U	0.0743 U	0.342 U	0.649 U	0.708 U	0.72 U	2.88 U

Table 1
Laboratory Testing Results

Location ID	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12
sys_sample_code	GS-031715-58	GS-031016-19	GS-101816-78	GS-091817-11	GS-091918-41	GS-092419-44	GS-121719-06	GS-121719-07	GS-031820-72
Sample Date	3/17/2015	3/10/2016	10/18/2016	9/18/2017	9/19/2018	9/24/2019	12/17/2019	12/17/2019	3/18/2020
Depth	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
Sample Type	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518
Y	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011
Pyrene	**0.198**	1.44 U	32.1 U	**0.173**	**0.168 J**	**0.255 J**	**0.219 J**	**0.262 J**	1.44 U
Total PAH (17) (U = 0)	**45.6681 J**	**48.43**	**76.3 J**	**51.6097 J**	**46.3406 J**	**54.776 J**	**53.775 J**	**50.992 J**	**46.52 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	**1.72**	**1.65**	**1.59**	**1.23**	**1.4**	**1.31**	**2.22**	**2.25**	**1.98**
Gasoline range hydrocarbons	**0.628**	**1.16**	**0.752**	**0.678**	**0.716**	**6.82**	**8.21**	**8.75**	**8.61**
Oil range organics	0.381 U	0.381 U	0.421 U	0.377 U	0.374 U	0.374 U	0.377 U	0.374 U	0.377 U

Table 1
Laboratory Testing Results

Location ID	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12
sys_sample_code	GS-061020-12	GS-092920-15	GS-121020-08	GS-121020-09	GS-030921-10	GS-061121-19	GS-121421-12	GS-030922-11	GS-061522-05
Sample Date	6/10/2020	9/29/2020	12/10/2020	12/10/2020	3/9/2021	6/11/2021	12/14/2021	3/9/2022	6/15/2022
Depth	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
Sample Type	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518
Y	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011
Conventional Parameters (mg/L)									
Cyanide	**0.0298**	**0.0493**	**0.031**	**0.0313**	**0.0428**	--	**0.0256**	**0.0124**	**0.0112**
Cyanide, available	**0.00136 J**	**0.00143 J**	**0.00119 J**	**0.00151 J**	**0.00135 J**	--	0.002 UJ	0.002 U	0.002 U
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	--	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	50 U	50 U	--	50 U	50 U	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Arsenic	1 U	1 U	1 U	1 U	1 U	--	**1.81**	**1.44**	**0.725 J**
Barium	**73.3**	**72**	**47.6**	**50.4**	**57.1**	--	**90.4**	**99**	**42.4**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	1 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	1 U	1 U	--	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U
Iron	**24900**	**24800**	**16500**	**15900**	**21400**	--	**18100**	**15400**	**10700**
Lead	0.2 U	1 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	**0.129 J**
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**2330**	**2260**	**1320**	**1370**	**1840**	--	**1950**	**2120**	**956**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	--	0.08 U	0.08 U	0.08 U
Nickel	**1.3 J**	2 U	2 U	2 U	2 U	--	**2.36**	**18.6**	**1.19 J**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U
Silver	0.2 U	1 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	1 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U
Vanadium	2 U	2 U	2 U	2 U	2 U	--	**2.79**	**2.82**	**2.33**
Zinc	**2.09 J**	4 U	4 U	4 U	4 U	--	4 U	**5.12**	4 U
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	20 U	40 U	40 U	40 U	20 U	0.4 U	0.4 U	1 U	0.4 U
1,1,1-Trichloroethane	20 U	40 U	40 U	40 U	20 U	0.4 U	0.4 U	1 U	0.4 U
1,1,2,2-Tetrachloroethane	25 U	50 U	50 U	50 U	25 U	0.5 U	0.5 U	1.25 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	25 U	50 U	50 U	50 U	25 U	0.5 U	0.5 U	1.25 U	0.5 U
1,1-Dichloroethane	20 U	40 U	40 U	40 U	20 U	0.4 U	0.4 U	1 U	0.4 U
1,1-Dichloroethene	20 U	40 U	40 U	40 U	20 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloropropene	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
1,2,3-Trichlorobenzene	100 U	200 U	200 U	200 U	100 U	2 U	2 U	5 U	2 U
1,2,3-Trichloropropane	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	100 U	200 U	200 U	200 U	100 U	2 U	2 U	5 U	2 U
1,2,4-Trimethylbenzene	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
1,2-Dibromo-3-chloropropane	250 U	500 U	500 U	500 U	250 U	5 U	5 U	12.5 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12
sys_sample_code	GS-061020-12	GS-092920-15	GS-121020-08	GS-121020-09	GS-030921-10	GS-061121-19	GS-121421-12	GS-030922-11	GS-061522-05
Sample Date	6/10/2020	9/29/2020	12/10/2020	12/10/2020	3/9/2021	6/11/2021	12/14/2021	3/9/2022	6/15/2022
Depth	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
Sample Type	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518
Y	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011
1,2-Dichlorobenzene	25 U	50 U	50 U	50 U	25 U	0.5 U	0.5 U	1.25 U	0.5 U
1,2-Dichloroethane	20 U	40 U	40 U	40 U	20 U	0.4 U	0.4 U	1 U	0.4 U
1,2-Dichloroethene, cis-	20 U	40 U	40 U	40 U	20 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	20 U	40 U	40 U	40 U	20 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	25 U	50 U	50 U	50 U	25 U	0.5 U	0.5 U	1.25 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
1,3-Dichlorobenzene	25 U	50 U	50 U	50 U	25 U	0.5 U	0.5 U	1.25 U	0.5 U
1,3-Dichloropropane	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
1,3-Dichloropropene, cis-	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
1,3-Dichloropropene, trans-	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	25 U	50 U	50 U	50 U	25 U	0.5 U	0.5 U	1.25 U	0.5 U
2,2-Dichloropropane	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
2-Hexanone (Methyl butyl ketone)	500 U	1000 U	1000 U	1000 U	500 U	10 U	10 U	25 U	10 U
4-Chlorotoluene	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500 U	1000 U	1000 U	1000 U	500 U	10 U	10 U	25 U	10 U
Acetone	1000 U	2000 U	2000 U	2000 U	1000 U	20 U	20 U	50 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	100 U	200 U	200 U	200 U	100 U	2 U	2 U	5 U	2 U
Benzene	**18800**	**17600**	**9690**	**10400**	**8420**	**3370**	**1940**	**372**	**2.36**
Bromobenzene	25 U	50 U	50 U	50 U	25 U	0.5 U	0.5 U	1.25 U	0.5 U
Bromochloromethane	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
Bromodichloromethane	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
Bromoform (Tribromomethane)	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
Bromomethane (Methyl bromide)	250 U	500 U	500 U	500 U	250 UJ	5 U	5 U	12.5 U	5 U
Carbon disulfide	500 U	1000 U	1000 U	1000 U	500 U	10 U	10 U	25 U	10 U
Carbon tetrachloride (Tetrachloromethane)	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
Chlorobenzene	25 U	50 U	50 U	50 U	25 U	0.5 U	0.5 U	1.25 U	0.5 U
Chloroethane	250 U	500 U	500 U	500 U	250 U	5 U	5 U	12.5 U	5 U
Chloroform	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
Chloromethane	250 U	500 U	500 U	500 U	250 U	5 U	5 U	12.5 U	5 U
Cymene, p- (4-Isopropyltoluene)	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
Dibromochloromethane	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
Dibromomethane	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
Dichlorodifluoromethane	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 UJ	1 U
Dichloromethane (Methylene chloride)	1000 U	1000 U	1000 U	1000 U	500 U	10 U	10 U	25 U	10 U
Ethylbenzene	25 U	50 U	50 U	50 U	25 U	**0.644**	**0.656**	1.25 U	**0.25 J**
Ethylene dibromide (1,2-Dibromoethane)	25 U	50 U	50 U	50 U	25 U	0.5 U	0.5 U	1.25 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	250 U	500 U	500 U	500 U	250 U	5 U	5 U	12.5 U	5 U
Isopropylbenzene (Cumene)	50 U	100 U	100 U	100 U	50 U	**1.92**	**1.83**	**1.9 J**	**0.65 J**

Table 1
Laboratory Testing Results

Location ID	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12
sys_sample_code	GS-061020-12	GS-092920-15	GS-121020-08	GS-121020-09	GS-030921-10	GS-061121-19	GS-121421-12	GS-030922-11	GS-061522-05
Sample Date	6/10/2020	9/29/2020	12/10/2020	12/10/2020	3/9/2021	6/11/2021	12/14/2021	3/9/2022	6/15/2022
Depth	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
Sample Type	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518
Y	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011
m,p-Xylene	50 U	100 U	100 U	100 U	50 U	**0.539 J**	1 U	2.5 U	1 U
Methyl ethyl ketone (2-Butanone)	500 U	1000 U	1000 U	1000 U	500 U	10 U	10 U	25 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	50 U	100 U	100 U	100 U	50 U	**0.825 J**	1 U	**1.38 J**	1 U
n-Propylbenzene	25 U	50 U	50 U	50 U	25 U	**0.615**	**0.658**	1.25 U	0.5 U
o-Xylene	25 U	50 U	50 U	50 U	25 U	**1.4**	**1.27**	**1.1 J**	**0.57**
sec-Butylbenzene	50 U	100 U	100 U	100 U	50 U	**0.908 J**	1 U	2.5 U	1 U
Styrene	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
tert-Butylbenzene	50 U	100 U	100 U	100 U	50 U	1 U	1 U	2.5 U	1 U
Tetrachloroethene (PCE)	20 U	40 U	40 U	40 U	20 U	0.4 U	0.4 U	1 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	50 U	100 U	100 U	100 U	50 U	**4.15**	**3.94**	2.5 U	1 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	20 U	40 U	40 U	40 U	20 U	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	100 U	200 U	200 U	200 U	100 U	2 U	2 U	5 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	20 U	40 U	40 U	40 U	20 U	0.4 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	**18800**	**17600**	**9690**	**10400**	**8420**	**3376.733 J**	**1945.866**	**373.1 J**	**3.18 J**
Total VOC (U = 0)	**18800**	**17600**	**9690**	**10400**	**8420 J**	**3381.001 J**	**1948.354**	**376.38 J**	**3.83 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	2.87 U	6.55 U	**1.28**	**1.55**	**1.91**	0.513 U	**0.408**	**1.25**	**1.45**
2-Methylnaphthalene	2.87 U	6.55 U	0.721 U	**0.361 J**	**0.359 J**	0.205 U	0.0774 U	1.04 U	0.716 U
Acenaphthene	**39.2**	**51.4**	**38**	**38.1**	**37.3**	**7.07 J**	**5.52**	**10.6**	**12.7**
Acenaphthylene	4.49 U	5.12 U	2.7 U	2.87 U	4.71 U	**1.91 J**	1.45 U	1.46 U	1.79 U
Anthracene	**1.69**	3.27 U	**1.32**	**1.31**	**1.99 J**	**0.694 J**	**0.62**	0.65 U	0.414 U
Benzo(a)anthracene	0.719 U	1.64 U	0.18 U	0.17 U	**0.092 J**	**0.0361 J**	**0.0315**	0.26 U	0.179 U
Benzo(a)pyrene	0.719 U	1.64 U	0.18 U	0.17 U	0.175 U	**0.0411 J**	**0.0198**	0.26 U	0.179 U
Benzo(b)fluoranthene	0.719 U	1.64 U	0.18 U	0.17 U	0.175 U	**0.0201 J**	**0.0102 J**	0.26 U	0.179 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	1.44 U	3.27 U	0.361 U	0.34 U	0.351 U	**0.032 J**	0.0387 U	0.52 U	0.358 U
Benzo(j,k)fluoranthene	0.719 U	1.64 U	0.18 U	0.17 U	0.175 U	**0.023 J**	**0.0319**	0.26 U	0.179 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	1.44 U	3.27 U	**1.42**	**1.38**	**1.17 J**	**0.257 J**	**0.324**	0.52 U	0.358 U
Chrysene	0.719 U	1.64 U	0.18 U	0.17 U	0.175 U	**0.0283 J**	**0.0131 J**	0.26 U	0.179 U
Dibenzo(a,h)anthracene	0.719 U	1.64 U	0.18 U	0.17 U	0.175 U	0.0164 U	0.0194 U	0.26 U	0.179 U
Dibenzofuran	1.44 U	3.27 U	0.361 U	0.34 U	0.657 U	0.144 U	**0.314**	**0.598**	0.727 U
Fluoranthene	1.44 U	3.27 U	0.361 U	0.34 U	0.351 U	**0.0534 J**	0.0387 U	0.52 U	0.358 U
Fluorene	**20.5**	**26.8**	**18.1**	**18.5**	**18.2**	**0.713 J**	**2.58**	**6.56**	**6.86**
Indeno(1,2,3-c,d)pyrene	0.719 U	1.64 U	0.18 U	0.17 U	0.175 U	**0.0181 J**	0.0194 U	0.26 U	0.179 U
Naphthalene	2.87 U	6.55 U	2.14 U	2.12 U	2.41 U	**4.6 J**	**1.46**	**2.17**	0.906 U
Phenanthrene	2.87 U	6.55 U	0.721 U	0.68 U	**0.412 J**	0.113 U	0.109 U	1.04 U	0.716 U

Table 1
Laboratory Testing Results

Location ID	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12	MW-21-12
sys_sample_code	GS-061020-12	GS-092920-15	GS-121020-08	GS-121020-09	GS-030921-10	GS-061121-19	GS-121421-12	GS-030922-11	GS-061522-05
Sample Date	6/10/2020	9/29/2020	12/10/2020	12/10/2020	3/9/2021	6/11/2021	12/14/2021	3/9/2022	6/15/2022
Depth	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft	7 - 12 ft
Sample Type	N	N	N	FD	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518	7623633.518
Y	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011	705643.011
Pyrene	1.44 U	3.27 U	**0.225 J**	**0.234 J**	**0.197 J**	**0.101 J**	**0.0402**	0.52 U	0.358 U
Total PAH (17) (U = 0)	**61.39**	**78.2**	**57.645 J**	**58.505 J**	**58.55 J**	**15.3401 J**	**10.3267 J**	**19.33**	**19.56**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	**2.13**	**2.37**	**1.82**	**1.86**	**1.75**	**--**	**2.41**	**3.84**	**2.11**
Gasoline range hydrocarbons	**46.9**	**43.2**	**27.1**	**29.5**	**54.1**	**6.7**	**4.12**	**1.15 J**	**0.184**
Oil range organics	0.377 U	0.377 U	0.381 U	0.381 U	0.374 U	**--**	0.381 U	0.385 U	0.377 U

Table 1
Laboratory Testing Results

Location ID	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27
sys_sample_code	GS-031114-14	GS-100714-26	GS-031815-67	GS-092815-86	GS-031716-67	GS-100516-51	GS-101317-87	GS-092618-67	GS-093019-62
Sample Date	3/11/2014	10/7/2014	3/18/2015	9/28/2015	3/17/2016	10/5/2016	10/13/2017	9/26/2018	9/30/2019
Depth	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.73 ft	17.7 - 27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
Conventional Parameters (mg/L)									
Cyanide	**0.185**	**0.0612**	**0.0724**	**0.0587**	**0.181**	**0.0587**	**0.0585**	**0.0532**	**0.0544**
Cyanide, available	**0.00819**	0.002 U	**0.00205**	0.002 U	**0.0116**	0.002 U	**0.00215**	**0.00194 J**	0.002 U
Cyanide, free	0.005 U	**0.0023 J**	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	**180**	**63**	**71.8**	50 U	**156**	**864**	**4470**	50 U	50 U
Antimony	1 UJ	1 U	1 U	1 U	1 U	1 U	**1.1**	1 U	1 U
Arsenic	**0.856 J**	**0.567 J**	**0.578 J**	1 U	1 U	1 U	**2.16**	1 U	1 U
Barium	**60.4**	**49.8**	**58.2**	**50.4**	**55.4**	**66.6**	**159**	**47.1**	**47.7**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.289**	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.244**	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	**0.822 J**	1 U	1 U	1 U	1 U	**1.59**	**9.1**	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	**3.34**	**0.956 J**	**1.92**	1 U	**1.48**	**7.29**	**32.3**	1 U	1 U
Iron	**29600**	**29300**	**29700**	**28200**	**25100**	**32600**	**62000**	**27400**	**28900**
Lead	**0.611**	**0.244**	**0.322**	**0.156 J**	**0.489**	**2.36**	**11.6**	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**3840**	**3970**	**3750**	**4110**	--	**4200**	**4720**	**3450**	**4080**
Mercury	0.16 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**2.29**	**1.23**	**0.833 J**	1 U	**1.37**	**2.63**	**18.8**	1 U	**0.535 J**
Potassium	--	--	--	--	--	--	--	**2840**	--
Selenium	1 U	**0.622 J**	1 U	1 U	1 U	1 U	**1.77**	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.1 J**	0.2 U	0.2 U
Vanadium	**1.69**	**1**	**1.03**	**0.611 J**	**1.1**	**4.88**	**27.7**	1 U	**0.629 J**
Zinc	4 U	**2.27 J**	**4.92**	**2.44 J**	**3.24 J**	**8.63**	**46.8**	**3.49 J**	**3.27 J**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.4 U
1,1,1-Trichloroethane	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.4 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.4 U
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	**0.434 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,1-Dichloropropene	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	20 U	4 U	2 U	2 U	2 U	10 U	2 U
1,2,3-Trichloropropane	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	20 U	4 U	2 U	2 U	2 U	10 U	2 U
1,2,4-Trimethylbenzene	**2.33**	**2.43**	10 U	**1.24 J**	**1.08**	**1.57**	**2.48**	5 U	**1.89**
1,2-Dibromo-3-chloropropane	5 U	5 U	50 U	10 U	5 U	5 U	5 U	25 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27
sys_sample_code	GS-031114-14	GS-100714-26	GS-031815-67	GS-092815-86	GS-031716-67	GS-100516-51	GS-101317-87	GS-092618-67	GS-093019-62
Sample Date	3/11/2014	10/7/2014	3/18/2015	9/28/2015	3/17/2016	10/5/2016	10/13/2017	9/26/2018	9/30/2019
Depth	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.73 ft	17.7 - 27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
1,2-Dichlorobenzene	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.4 U
1,2-Dichloroethene, cis-	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,2-Dichloroethene, trans-	0.5 U	0.5 U	0.5 U	**0.324 J**	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	**0.53 J**	**0.6 J**	10 U	2 U	1 U	1 U	**0.69 J**	5 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
1,3-Dichloropropane	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
2,2-Dichloropropane	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	100 U	20 U	10 U	10 U	10 U	50 U	10 U
4-Chlorotoluene	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	100 U	20 U	10 U	10 U	10 U	50 U	10 U
Acetone	20 U	20 U	200 U	40 U	20 U	20 U	20 U	100 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	--	--	--	--	--	--	2 U	10 U	2 U
Benzene	**0.85**	**0.54**	**11 J**	**1.52**	**0.432**	**1.02**	**0.51**	**0.59 J**	**3.04**
Bromobenzene	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
Bromochloromethane	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
Bromodichloromethane	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
Bromomethane (Methyl bromide)	5 U	5 UJ	50 U	10 U	5 U	5 U	5 U	25 U	5 U
Carbon disulfide	--	--	--	--	--	--	10 U	50 U	10 U
Carbon tetrachloride (Tetrachloromethane)	0.5 U	0.5 U	5 U	1 U	1 U	1 U	1 U	5 U	1 U
Chlorobenzene	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
Chloroethane	5 U	5 U	50 U	10 U	5 U	5 U	5 U	25 U	5 U
Chloroform	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
Chloromethane	5 U	5 U	50 U	10 U	5 U	5 U	5 U	25 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
Dibromochloromethane	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
Dibromomethane	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
Dichlorodifluoromethane	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
Dichloromethane (Methylene chloride)	5 U	5 U	50 U	10 U	3 U	3 U	3 U	15 U	5 U
Ethylbenzene	**0.62**	**0.69**	5 U	1 U	**0.501**	**0.658**	**0.9**	2.5 U	**0.833**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	50 U	10 U	5 U	5 U	5 U	25 U	5 U
Isopropylbenzene (Cumene)	**16.7**	**16.4**	**10.5**	**8.16**	**11.1**	**17.9**	**23.2**	**11.7**	**23.6**

Table 1
Laboratory Testing Results

Location ID	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27
sys_sample_code	GS-031114-14	GS-100714-26	GS-031815-67	GS-092815-86	GS-031716-67	GS-100516-51	GS-101317-87	GS-092618-67	GS-093019-62
Sample Date	3/11/2014	10/7/2014	3/18/2015	9/28/2015	3/17/2016	10/5/2016	10/13/2017	9/26/2018	9/30/2019
Depth	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.73 ft	17.7 - 27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
m,p-Xylene	**2.01**	**1.94**	10 U	**1.16 J**	**1.31**	**1.7**	**2.4**	5 U	**2.27**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	100 U	20 U	10 U	10 U	10 U	50 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
n-Propylbenzene	**6.2**	**5.54**	**5.1**	**2.7**	**4.75**	**6.1**	**9.25**	**5.22**	**8.04**
o-Xylene	**0.79**	**1**	5 U	**0.64 J**	**0.616**	**0.905**	**1.26**	2.5 U	**1.23**
sec-Butylbenzene	**0.71 J**	**0.73 J**	10 U	2 U	**0.611 J**	**0.806 J**	**1.35**	5 U	**0.927 J**
Styrene	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
tert-Butylbenzene	1 U	1 U	10 U	2 U	1 U	1 U	1 U	5 U	1 U
Tetrachloroethene (PCE)	0.5 U	0.5 U	5 U	1 U	0.5 U	0.5 U	0.5 U	2 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**0.75 J**	**0.65 J**	10 U	2 U	**0.582 J**	**0.672 J**	**0.75 J**	5 U	**0.876 J**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	20 U	4 U	2 U	2 U	2 U	10 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.5 U	0.5 U	0.5 U	**0.732 J**	0.5 U	0.5 U	0.4 U	0.5 U	0.4 U
Total BTEX (U = 0)	**5.02 J**	**4.82 J**	**11 J**	**3.32 J**	**3.441 J**	**4.955 J**	**5.82 J**	**0.59 J**	**8.249 J**
Total VOC (U = 0)	**31.49 J**	**30.52 J**	**26.6 J**	**16.91 J**	**20.982 J**	**31.331 J**	**42.79 J**	**17.51 J**	**42.706 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**74.8**	**133**	**113**	**0.688**	**94.5**	**190**	**167**	**84.9**	**104**
2-Methylnaphthalene	**1.34**	**1.43**	**1.43**	**0.302**	2.78 U	67.7 U	**1.75 J**	**0.893**	**0.834**
Acenaphthene	**43.2**	**44**	**51.3**	**1.03**	**41.8**	**81.2**	**82.6**	**44.9**	**59.4**
Acenaphthylene	**0.637**	**1.56**	**1.54**	**0.296**	**1.36 J**	33.9 U	**8.73**	**1.73**	**0.771**
Anthracene	**1.58**	**1.45**	**1.52**	**0.353**	**1.36 J**	33.9 U	**2.39**	**0.995**	**1.3**
Benzo(a)anthracene	**0.435**	**0.208**	**0.481**	**0.0789**	0.695 U	16.9 U	**1.02 J**	**0.143 J**	**0.0889**
Benzo(a)pyrene	**0.481**	**0.247**	**0.616**	**0.0602**	0.695 U	16.9 U	**1.28**	0.18 U	**0.0293**
Benzo(b)fluoranthene	--	**0.215**	**0.532**	**0.0597 J**	0.695 U	16.9 U	**1.04 J**	0.18 U	**0.0284**
Benzo(b,k)fluoranthene	**0.588**	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**0.529**	**0.18 J**	**0.515 J**	**0.0449**	1.39 U	33.9 U	**1.28 J**	0.361 U	0.0351 U
Benzo(j,k)fluoranthene	--	--	--	--	--	--	--	--	**0.0162 J**
Benzo(k)fluoranthene	--	0.157 U	**0.177 J**	**0.0275 J**	0.695 U	16.9 U	**0.416 J**	0.18 U	--
Carbazole	**0.266**	**0.662**	0.675 U	**0.426**	1.39 U	33.9 U	1.39 U	0.361 U	0.0456 U
Chrysene	**0.572**	**0.266**	**0.371**	**0.101**	**0.434 J**	16.9 U	**0.987 J**	**0.0915 J**	**0.092**
Dibenzo(a,h)anthracene	0.19 U	0.157 U	0.338 U	0.0174 U	0.695 U	16.9 U	0.693 U	0.18 U	0.0176 U
Dibenzofuran	**1.28**	**1.24**	**1.51**	**0.102**	**0.904 J**	33.9 U	**1.65**	**1.03**	**0.81**
Fluoranthene	**2.46**	**1.53**	**1.9**	**0.692**	**1.34 J**	33.9 U	**2.91**	**1.06**	**1.19**
Fluorene	**7.21**	**7.38**	**8.04**	**0.611**	**5.2**	33.9 U	**10**	**6.48**	**6.39**
Indeno(1,2,3-c,d)pyrene	**0.438**	**0.149 J**	**0.346**	**0.0375**	0.695 U	16.9 U	**1.16**	0.18 U	**0.0103 J**
Naphthalene	**2.79**	**4.4**	**3.81**	**3.16**	2.29 U	67.7 U	**4.56**	**1.1**	**1.02**
Phenanthrene	**4.47**	**3.01**	**3.17**	**1.42**	**2.28 J**	67.7 U	**2.36 J**	**0.818**	**0.737**

Table 1
Laboratory Testing Results

Location ID	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27
sys_sample_code	GS-031114-14	GS-100714-26	GS-031815-67	GS-092815-86	GS-031716-67	GS-100516-51	GS-101317-87	GS-092618-67	GS-093019-62
Sample Date	3/11/2014	10/7/2014	3/18/2015	9/28/2015	3/17/2016	10/5/2016	10/13/2017	9/26/2018	9/30/2019
Depth	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.7 ft	17.7 - 27.73 ft	17.7 - 27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
Pyrene	**3.02**	**1.91**	**2.39**	**0.76**	**1.89**	33.9 U	**3.97**	**1.17**	**1.34**
Total PAH (17) (U = 0)	**69.75**	**67.935 J**	**78.138 J**	**9.0337 J**	**55.664 J**	**81.2**	**126.453 J**	**59.3805 J**	**73.2471 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	**0.922**	**2.59**	**2.04**	**1.88**	**2.55**	**3.25**	**1.92**	**1.52**
Gasoline range hydrocarbons	--	**2.94**	**2.99**	**4.12**	**4.51**	**4.8**	**6.5**	**3.49**	**5.41**
Oil range organics	--	0.392 U	0.396 U	0.426 U	0.385 U	0.388 U	0.381 U	**0.518**	**0.31 J**

Table 1
Laboratory Testing Results

Location ID	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27
sys_sample_code	GS-121719-03	GS-031820-71	GS-061020-09	GS-102920-102	GS-120920-05	GS-032921-93	GS-061021-16	GS-100621-118	GS-121421-09
Sample Date	12/17/2019	3/18/2020	6/10/2020	10/29/2020	12/9/2020	3/29/2021	6/10/2021	10/6/2021	12/14/2021
Depth	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
Conventional Parameters (mg/L)									
Cyanide	**0.0556**	**0.0556**	**0.0785**	**0.0328**	**0.0295**	**0.036**	**0.0334**	**0.0549**	**0.156**
Cyanide, available	0.002 U	**0.00112 J**	**0.00168 J**	0.004 U	0.002 UJ	0.002 U	**0.00166 J**	0.002 U	**0.0038 J**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Barium	**48.9**	**12.4**	**12.6**	**37.9**	**35.1**	**48**	**50.5**	**55.6**	**57.9**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	**0.82 J**	**1.13 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Iron	**28900**	**7440**	**7170**	**22700**	**4170**	**30400**	**30500**	**33900**	**38100**
Lead	0.2 U	**0.144 J**	**0.112 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**3680**	**874**	**898**	**2870**	**2650**	**3370**	**3510**	**4140**	**4440**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**1.14**	**1.18 J**	2 U	**1.27 J**	2 U	**1.15 J**	**1.1 J**	2 U	2 U
Potassium	--	**1460**	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**0.788 J**	**1.85 J**	**1.39 J**	**1.09 J**	2 U	2 U	2 U	2 U	2 U
Zinc	**4.16**	4 U	**2.04 J**	**3.5 J**	**3.71 J**	4 U	4 U	**4.44**	4 U
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	2 U	0.4 U	0.4 U	1 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloropropene	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	5 U	**1.11**	**0.589 J**	**1.83**	**1.54**	**1.26**	**1.19**	**0.888 J**	1 U
1,2-Dibromo-3-chloropropane	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27
sys_sample_code	GS-121719-03	GS-031820-71	GS-061020-09	GS-102920-102	GS-120920-05	GS-032921-93	GS-061021-16	GS-100621-118	GS-121421-09
Sample Date	12/17/2019	3/18/2020	6/10/2020	10/29/2020	12/9/2020	3/29/2021	6/10/2021	10/6/2021	12/14/2021
Depth	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
1,2-Dichlorobenzene	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	2.5 U	0.5 U	--	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	100 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	**2.18**	**9.15**	**23.5**	**34.5**	**56.7**	**14.3**	**4.23**	**2.83**	**0.64**
Bromobenzene	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	5 U	1 U	1 U	2 U	2 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Dichloromethane (Methylene chloride)	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	2.5 U	**0.633**	**0.525**	**0.93**	**0.901**	**0.625**	**0.644**	**0.611**	**0.568**
Ethylene dibromide (1,2-Dibromoethane)	2.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	**12.6**	**15.8**	**14.2**	**25.1**	**22.7**	**17.5**	**17.6**	**15.8**	**16.9**

Table 1
Laboratory Testing Results

Location ID	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27
sys_sample_code	GS-121719-03	GS-031820-71	GS-061020-09	GS-102920-102	GS-120920-05	GS-032921-93	GS-061021-16	GS-100621-118	GS-121421-09
Sample Date	12/17/2019	3/18/2020	6/10/2020	10/29/2020	12/9/2020	3/29/2021	6/10/2021	10/6/2021	12/14/2021
Depth	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
m,p-Xylene	5 U	**1.8**	**1.47**	**2.58**	**2.45**	**1.84**	**1.82**	**1.72**	**1.58**
Methyl ethyl ketone (2-Butanone)	50 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	**6.01**	**6.2**	**4.85**	**8.17**	**7.9**	**5.44**	**6.33**	**5.42**	**4.71**
o-Xylene	2.5 U	**0.865**	**0.717**	**1.51**	**1.24**	**0.878**	**1**	**1**	**0.77**
sec-Butylbenzene	5 U	**0.849 J**	**0.628 J**	**1.1**	**0.918 J**	**0.729 J**	**0.953 J**	**0.818 J**	**0.628 J**
Styrene	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	2 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	5 U	**0.63 J**	**0.547 J**	**0.66 J**	**0.71 J**	**0.667 J**	**0.632 J**	**0.555 J**	**0.576 J**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	10 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	**2.18**	**13.078 J**	**26.759 J**	**40.18 J**	**62.001 J**	**18.31 J**	**8.326 J**	**6.716 J**	**4.134 J**
Total VOC (U = 0)	**20.79**	**37.037 J**	**47.026 J**	**76.38 J**	**95.059 J**	**43.239 J**	**34.399 J**	**29.642 J**	**26.372 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**90.7**	**88.4**	**78.2**	**105**	**98.8**	**79.2 J**	**70.5**	**75.6**	**45.5**
2-Methylnaphthalene	**0.881**	**0.488**	0.0706 U	**0.874**	**0.892 J**	**0.675 J**	2.67 U	**0.664**	**0.133**
Acenaphthene	**49.8**	**54.6**	**49.8**	**59**	**65.9**	**61.3 J**	**52.2**	**57.6**	**47.5**
Acenaphthylene	**0.802**	**0.776**	0.662 U	0.831 U	**1.55**	1.12 U	**1.77**	**0.927**	0.708 U
Anthracene	**1.27**	**1.18**	**0.88**	**1.42**	**1.37**	**1.29 J**	**1.35**	**0.837**	**1.16**
Benzo(a)anthracene	**0.103**	**0.139**	**0.105**	**0.0783**	0.35 U	**0.0867 J**	0.668 U	**0.0664**	**0.0761**
Benzo(a)pyrene	**0.0426**	**0.154**	**0.0939**	**0.0199**	0.35 U	**0.0326**	0.668 U	0.0302 U	**0.0269**
Benzo(b)fluoranthene	**0.0402**	**0.091**	**0.0653**	**0.019**	0.35 U	**0.0281 J**	0.668 U	**0.0246**	**0.0255**
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**0.0219 J**	**0.132**	**0.0754**	0.038 U	0.7 U	0.0357 U	1.34 U	0.0402 U	0.0371 U
Benzo(j,k)fluoranthene	**0.0291**	**0.0354 J**	**0.0256 J**	**0.0109 J**	0.35 U	**0.0107 J**	0.668 U	**0.0206**	**0.0158 J**
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	0.0673 U	0.114 U	0.11 U	0.0439 U	0.7 U	0.0417 U	1.34 U	0.126 U	0.0464 U
Chrysene	**0.106**	**0.136**	**0.102**	**0.0892**	0.35 U	**0.0795 J**	0.668 U	**0.0664**	**0.0654**
Dibenzo(a,h)anthracene	0.0179 U	**0.0113 J**	**0.011 J**	0.019 U	0.35 U	0.0179 U	0.668 U	**0.0106 J**	0.0186 U
Dibenzofuran	**0.725**	**0.692**	**0.531**	**0.72**	**0.822**	**0.524 J**	1.34 U	**0.377**	**0.27**
Fluoranthene	**1.31**	**1.35**	**1.12**	**1.55**	**1.66**	**1.51 J**	**1.47**	**0.965**	**1.41**
Fluorene	**7.01**	**5.34**	**4.85**	**8.02**	**9.87**	**6.89 J**	**7.65**	**6.14**	**5.71**
Indeno(1,2,3-c,d)pyrene	**0.0172 J**	**0.0825**	**0.0454**	0.019 U	0.35 U	0.0179 U	0.668 U	0.0201 U	0.0186 U
Naphthalene	**0.96**	**0.938**	**1**	**1.14**	**1.67**	**1.03 J**	**1.74 J**	**1.37**	**0.721**
Phenanthrene	**1.18**	**0.753**	**0.592**	**0.908**	1.4 U	**1.06 J**	2.67 U	**0.737**	**0.468**

Table 1
Laboratory Testing Results

Location ID	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-23-27
sys_sample_code	GS-121719-03	GS-031820-71	GS-061020-09	GS-102920-102	GS-120920-05	GS-032921-93	GS-061021-16	GS-100621-118	GS-121421-09
Sample Date	12/17/2019	3/18/2020	6/10/2020	10/29/2020	12/9/2020	3/29/2021	6/10/2021	10/6/2021	12/14/2021
Depth	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533	7623498.533
Y	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949	705734.949
Pyrene	**1.46**	**1.68**	**1.36**	**1.84**	**1.98**	**1.73 J**	**1.85**	**1.15**	**1.6**
Total PAH (17) (U = 0)	**65.033 J**	**67.8862 J**	**60.1256 J**	**74.9693 J**	**84.892 J**	**75.7226 J**	**68.03 J**	**70.5786 J**	**58.9117 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	**1.14**	**1.45**	**0.851 J**	**1.32**	**1.03**	**2.71**	**2.19**	**2.44**	**1.21**
Gasoline range hydrocarbons	**4.19**	**3.05**	**2.27**	**5.31**	**4.13**	**2.9**	**4.29**	**3.44**	**3.5**
Oil range organics	**0.454**	0.377 U	0.377 U	**0.271 J**	**0.723**	**0.371 J**	0.377 U	**0.461**	**0.3 J**

Table 1
Laboratory Testing Results

Location ID	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-031022-16	GS-061422-03	GS-101022-119	GS-121922-15	GS-051718-03	GS-082318-05	GS-121218-01	GS-121218-02	GS-031119-01
Sample Date	3/10/2022	6/14/2022	10/10/2022	12/19/2022	5/17/2018	8/23/2018	12/12/2018	12/12/2018	3/11/2019
Depth	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft
Sample Type	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623498.533	7623498.533	7623498.533	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	705734.949	705734.949	705734.949	705734.949	704733.02	704733.02	704733.02	704733.02	704733.02
Conventional Parameters (mg/L)									
Cyanide	**0.0874**	**0.151**	**0.143**	**0.169**	**0.0429**	**0.0277**	**0.0356**	**0.0361**	**0.0325**
Cyanide, available	**0.00237**	**0.00566**	0.002 U	**0.0013 J**	0.002 U	**0.00205**	**0.00146 J**	**0.00145 J**	0.002 U
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	**0.0307**	0.005 U	**0.00329 J**	**0.00354 J**	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	50 U	**164**	**75.4**	**52.6**	**54.9**	**76**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	1 U	1 U	1 U	1 U	1 U	**1.35**	**0.668 J**	**0.689 J**	1 U
Barium	**52.6**	**45.8**	**37**	**66.9**	**11.8**	**12.3**	**17.7**	**17.8**	**13**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.092 J**	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	2 U	2 U	1 U	**0.669 J**	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	**1.16**	**2.02**	**0.877 J**	**0.968 J**	**1.08**
Iron	**32400**	**27800**	**21100**	**38100**	**2650**	**11700**	**7310**	**7490**	**5260**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	**0.444**	**0.22**	**0.139 J**	**0.189 J**	**0.204**
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**3930**	**3270**	**2590**	**4570**	**381**	**1180**	**915**	**922**	**398**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	2 U	2 U	2 U	2 U	**7.88**	**4.86**	**12**	**12.2**	**8.25**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	2 U	2 U	2 U	2 U	**1.74**	**3.42**	**1.67**	**1.73**	**1.14**
Zinc	4 U	**2.66 J**	**3.95 J**	**4.42**	**4.89**	**3.41 J**	**3.69 J**	**3.96 J**	**4.84**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	0.4 U	0.4 U	0.4 U	20 U	40 U	40 U	40 U	0.4 U
1,1,1-Trichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	20 U	40 U	40 U	40 U	0.4 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	1 U	50 U	2 U	2 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	1 U	50 U	2 U	2 U	0.5 U
1,1-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	1 U	40 U	2 U	2 U	0.4 U
1,1-Dichloroethene	0.4 U	0.4 U	0.4 U	0.4 U	1 U	40 U	2 U	2 U	0.4 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	100 U	200 U	200 U	200 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	5 U	100 U	10 U	10 U	1 U
1,2,3-Trimethylbenzene	--	--	--	5 U	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	100 U	200 U	200 U	200 U	2 U
1,2,4-Trimethylbenzene	1 U	1 U	**0.88 J**	1 U	**14.4**	100 U	10 U	10 U	**1.67**
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	10 U	500 U	20 U	20 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-031022-16	GS-061422-03	GS-101022-119	GS-121922-15	GS-051718-03	GS-082318-05	GS-121218-01	GS-121218-02	GS-031119-01
Sample Date	3/10/2022	6/14/2022	10/10/2022	12/19/2022	5/17/2018	8/23/2018	12/12/2018	12/12/2018	3/11/2019
Depth	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft
Sample Type	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623498.533	7623498.533	7623498.533	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	705734.949	705734.949	705734.949	705734.949	704733.02	704733.02	704733.02	704733.02	704733.02
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	25 U	50 U	50 U	50 U	0.5 U
1,2-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	1 U	40 U	2 U	2 U	0.4 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.4 U	0.4 U	1 U	40 U	2 U	2 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.4 U	0.4 U	1 U	40 U	2 U	2 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	1 U	50 U	2 U	2 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	1 U	1 U	1 U	**6.66**	100 U	10 U	10 U	**0.67 J**
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	25 U	50 U	50 U	50 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	100 U	2 U	2 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	100 U	2 U	2 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	50 U	50 U	50 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	500 U	1000 U	1000 U	1000 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	500 U	1000 U	1000 U	1000 U	10 U
Acetone	20 U	20 U	20 U	20 U	1000 U	2000 U	2000 U	2000 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	2 U	2 U	2 U	100 U	200 U	200 U	200 U	2 U
Benzene	**0.38**	**0.31**	**0.41**	**0.49**	**12100**	**45700**	**23600**	**26700**	**6190**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	25 U	50 U	50 U	50 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 U	5 U	250 U	500 U	500 U	500 U	5 U
Carbon disulfide	10 U	10 U	10 U	10 U	500 U	1000 U	1000 U	1000 U	10 U
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	25 U	50 U	50 U	50 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	250 U	500 U	500 U	500 U	5 U
Chloroform	1 U	1 U	1 U	1 U	5 U	100 U	10 U	10 U	1 U
Chloromethane	5 U	5 U	5 U	5 U	250 U	500 U	500 U	500 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
Dichloromethane (Methylene chloride)	10 U	10 U	10 U	10 U	150 U	300 U	300 U	300 U	3 U
Ethylbenzene	**0.61**	**0.58**	**0.74**	**0.88**	**25.1**	**96.2**	**20.9**	**21.9**	**14.4**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	1 U	50 U	2 U	2 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	250 U	500 U	500 U	500 U	5 U
Isopropylbenzene (Cumene)	**16.5**	**18.1**	**19.2**	**25.8**	50 U	100 U	100 U	100 U	**1.36**

Table 1
Laboratory Testing Results

Location ID	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-031022-16	GS-061422-03	GS-101022-119	GS-121922-15	GS-051718-03	GS-082318-05	GS-121218-01	GS-121218-02	GS-031119-01
Sample Date	3/10/2022	6/14/2022	10/10/2022	12/19/2022	5/17/2018	8/23/2018	12/12/2018	12/12/2018	3/11/2019
Depth	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft
Sample Type	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623498.533	7623498.533	7623498.533	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	705734.949	705734.949	705734.949	705734.949	704733.02	704733.02	704733.02	704733.02	704733.02
m,p-Xylene	**1.58**	**1.55**	**2.08**	**2.21**	**93.3**	**272**	**60.6**	**63**	**39.1**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	500 U	1000 U	1000 U	1000 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	100 U	2 U	2 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
n-Propylbenzene	**5.38**	**5.32**	**6.21**	**8.32**	25 U	50 U	50 U	50 U	0.5 U
o-Xylene	**0.8**	**0.81**	**1.07**	**1.31**	**37.8**	**109**	**28.4**	**29**	**25.8**
sec-Butylbenzene	**0.68 J**	**0.77 J**	**0.72 J**	**1.1**	50 U	100 U	100 U	100 U	1 U
Styrene	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	**0.51 J**
tert-Butylbenzene	1 U	1 U	1 U	1 U	50 U	100 U	100 U	100 U	1 U
Tetrachloroethene (PCE)	0.4 U	0.4 U	0.4 U	0.4 U	1 U	40 U	2 U	2 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**0.54 J**	**0.55 J**	**1.05**	**0.74 J**	**455**	**2720**	**973**	**897**	**179**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.4 U	0.4 U	1 U	40 U	2 U	2 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	100 U	200 U	200 U	200 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.4 U	1 U	40 U	2 U	2 U	0.4 U
Total BTEX (U = 0)	**3.91 J**	**3.8 J**	**5.35**	**5.63 J**	**12711.2**	**48897.2**	**24682.9**	**27710.9**	**6448.3**
Total VOC (U = 0)	**26.47 J**	**27.99 J**	**32.36 J**	**40.85 J**	**12732.26**	**48897.2**	**24682.9**	**27710.9**	**6452.51 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**37.1**	**34.5**	**70.1**	**54.4**	**64.6**	**33.6**	**6.89**	**6.31**	**3.03**
2-Methylnaphthalene	0.975 U	**0.245**	6.51 U	8.52 U	**65**	**30.6**	**3.12**	**3.27**	**1.81**
Acenaphthene	**48.4**	**51.9**	**66.2**	**49.6**	**113**	**53**	**7.94**	**7.73**	**3.23**
Acenaphthylene	**3.14**	**1.65**	**3.46**	**5.32**	**11.7**	**4.39**	**1.61**	**1.76**	**1.23**
Anthracene	**1.33**	**1.16**	3.26 U	4.26 U	**12.2**	**15.4**	**3.24**	**3.18**	**1.84**
Benzo(a)anthracene	**0.14 J**	**0.0643**	1.63 U	2.13 U	**1.16 J**	**3.22**	**0.718 J**	**0.52 J**	**0.322 J**
Benzo(a)pyrene	0.244 U	**0.0107 J**	1.63 U	2.13 U	**0.931 J**	**2.51**	**0.644 J**	**0.559 J**	**0.381**
Benzo(b)fluoranthene	0.244 U	**0.0141 J**	1.63 U	2.13 U	**0.782 J**	**2.28 J**	**0.409 J**	**0.361 J**	**0.295 J**
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.488 U	0.039 U	3.26 U	4.26 U	**1.68**	**2.53**	**0.928 J**	1.35 U	**0.623 J**
Benzo(j,k)fluoranthene	0.244 U	0.0195 U	1.63 U	2.13 U	--	--	--	--	**0.183 J**
Benzo(k)fluoranthene	--	--	--	--	**0.385 J**	**0.684 J**	0.676 U	0.675 U	--
Carbazole	0.488 U	0.0584 U	3.26 U	4.26 U	**12**	**27.4**	**5.04**	**5.09**	**2**
Chrysene	0.244 U	**0.0721**	1.63 U	2.13 U	**0.967 J**	**3.44**	**0.857 J**	**0.577 J**	**0.28 J**
Dibenzo(a,h)anthracene	0.244 U	0.0195 U	1.63 U	2.13 U	0.656 U	**0.257 J**	**0.377 J**	0.675 U	0.342 U
Dibenzofuran	**0.384 J**	**0.229**	3.26 U	4.26 U	**44.4**	**21.4**	**2.4**	**2.61**	**0.86**
Fluoranthene	**1.25**	**1.2**	3.26 U	4.26 U	**20.7**	**32.1**	**4.12**	**3.87**	**1.9**
Fluorene	**7.34**	**7.14**	**9.07**	**8.36**	**54.8**	**31.8**	**4.13**	**4.3**	**1.35**
Indeno(1,2,3-c,d)pyrene	0.244 U	0.0195 U	1.63 U	2.13 U	**1.28 J**	**2**	**0.877**	**0.473 J**	**0.352**
Naphthalene	**1.65**	**0.901**	6.51 U	8.52 U	**28.9**	**825**	**149**	**139**	**48.1**
Phenanthrene	0.975 U	**0.475**	6.51 U	8.52 U	**70.2**	**108**	**10.4**	**10.4**	**3.3**

Table 1
Laboratory Testing Results

Location ID	MW-23-27	MW-23-27	MW-23-27	MW-23-27	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-031022-16	GS-061422-03	GS-101022-119	GS-121922-15	GS-051718-03	GS-082318-05	GS-121218-01	GS-121218-02	GS-031119-01
Sample Date	3/10/2022	6/14/2022	10/10/2022	12/19/2022	5/17/2018	8/23/2018	12/12/2018	12/12/2018	3/11/2019
Depth	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	17.7 - 27.73 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft
Sample Type	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623498.533	7623498.533	7623498.533	7623498.533	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	705734.949	705734.949	705734.949	705734.949	704733.02	704733.02	704733.02	704733.02	704733.02
Pyrene	**1.46**	**1.44**	**1.83 J**	4.26 U	**16.7**	**28.1**	**3.35**	**3.22**	**1.59**
Total PAH (17) (U = 0)	**64.71 J**	**66.2722 J**	**80.56 J**	**63.28**	**400.385 J**	**1145.311 J**	**191.72 J**	**179.22 J**	**66.786 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	**2.19**	**1.9**	**1.39**	**1.4 J**	--	--	--	--	--
Gasoline range hydrocarbons	**3.37**	**3.45**	**3.04**	**2.48 J**	--	--	--	--	--
Oil range organics	**0.291 J**	**0.206 J**	0.381 U	**0.303 J**	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-061219-03	GS-061219-04	GS-071019-03	GS-090919-02	GS-121719-02	GS-031220-40	GS-060920-04	GS-092220-02	GS-121620-15
Sample Date	6/12/2019	6/12/2019	7/10/2019	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/16/2020
Depth	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft
Sample Type	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
Conventional Parameters (mg/L)									
Cyanide	**0.0256**	**0.0235**	--	**0.0121**	**0.0165**	**0.0332**	**0.0148**	**0.0111**	**0.0222**
Cyanide, available	**0.00104 J**	0.002 U	--	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Cyanide, free	**0.0164**	**0.0178**	--	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	**30.8 J**	**31.8 J**	--	**50.5**	**37.5 J**	**208**	**49.6 J**	**63.6**	**163**
Antimony	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**0.502 J**	**0.509 J**	--	**0.969 J**	**0.562 J**	**1.01**	**0.768 J**	**0.977 J**	**0.582 J**
Barium	**11.5**	**11.6**	--	**10.3**	**14.7**	**9.45**	**11**	**10**	**11.5**
Beryllium	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	--	1 U	1 U	**0.558 J**	1 U	**0.594 J**	**0.722 J**
Cobalt	--	--	--	--	--	--	--	--	--
Copper	**1.7**	**1.1**	--	**1.78**	**1.67**	**1.74 J**	**1.85 J**	**1.21 J**	**2.03**
Iron	**2450**	**2440**	--	**4360**	**4150**	**7260**	**2420**	**3120**	**3420**
Lead	**0.128 J**	0.2 U	--	**0.125 J**	**0.102 J**	**0.347**	**0.154 J**	**0.176 J**	**1.83**
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**242**	**235**	--	**343**	**472**	**467**	**230**	**280**	**353**
Mercury	0.08 U	0.08 U	--	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**5.26**	**5.3**	--	**9.06**	**10.6**	**5.22**	**6.58**	**7.57**	**7.88 J**
Potassium	--	--	--	--	--	**1320**	--	--	--
Selenium	1 U	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**1.05**	**1.09**	--	**1.43**	**2.73**	**2.8**	**1.78 J**	**3.18**	**1.39 J**
Zinc	**3.55 J**	**2.81 J**	--	**2.98 J**	**4.49**	**2.47 J**	**4.9**	**3.03 J**	**3.68 J**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	40 U	2 U	40 U	20 U	40 U	20 U	20 U	0.4 U
1,1,1-Trichloroethane	0.4 U	40 U	2 U	40 U	20 U	40 U	20 U	20 U	0.4 U
1,1,2,2-Tetrachloroethane	2 U	2 U	2.5 U	50 U	25 U	50 U	25 U	25 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	2 U	2 U	2.5 U	50 U	25 U	50 U	25 U	25 U	0.5 U
1,1-Dichloroethane	2 U	2 U	2 U	40 U	20 U	40 U	20 U	20 U	0.4 U
1,1-Dichloroethene	2 U	2 U	2 U	0.5 U	0.5 U	40 U	20 U	20 U	0.4 U
1,1-Dichloropropene	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
1,2,3-Trichlorobenzene	2 U	200 U	10 U	200 U	100 U	200 U	100 U	100 U	2 U
1,2,3-Trichloropropane	10 U	10 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	200 U	10 U	200 U	100 U	200 U	100 U	100 U	2 U
1,2,4-Trimethylbenzene	10 U	10 U	5 U	100 U	50 U	100 U	50 U	50 U	**2.19**
1,2-Dibromo-3-chloropropane	20 U	20 U	25 U	500 U	250 U	500 U	250 U	250 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-061219-03	GS-061219-04	GS-071019-03	GS-090919-02	GS-121719-02	GS-031220-40	GS-060920-04	GS-092220-02	GS-121620-15
Sample Date	6/12/2019	6/12/2019	7/10/2019	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/16/2020
Depth	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft
Sample Type	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
1,2-Dichlorobenzene	0.5 U	50 U	2.5 U	50 U	25 U	50 U	25 U	25 U	0.5 U
1,2-Dichloroethane	2 U	2 U	2 U	40 U	20 U	40 U	20 U	20 U	0.4 U
1,2-Dichloroethene, cis-	2 U	2 U	2 U	0.5 U	0.5 U	40 U	20 U	20 U	0.4 U
1,2-Dichloroethene, trans-	2 U	2 U	2 U	0.5 U	0.5 U	40 U	20 U	20 U	0.4 U
1,2-Dichloropropane	2 U	2 U	2.5 U	50 U	25 U	50 U	25 U	25 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	10 U	10 U	5 U	100 U	50 U	100 U	50 U	50 U	**0.782 J**
1,3-Dichlorobenzene	0.5 U	50 U	2.5 U	50 U	25 U	50 U	25 U	25 U	0.5 U
1,3-Dichloropropane	1 U	100 U	5 U	100 U	50 U	100 U	100 U	50 U	1 U
1,3-Dichloropropene, cis-	2 U	2 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
1,3-Dichloropropene, trans-	2 U	2 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	50 U	2.5 U	50 U	25 U	50 U	25 U	25 U	0.5 U
2,2-Dichloropropane	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	1000 U	50 U	1000 U	500 U	1000 U	500 U	500 U	10 U
4-Chlorotoluene	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	1000 U	50 U	1000 U	500 U	1000 U	500 U	500 U	10 U
Acetone	20 U	2000 U	100 U	2000 U	1000 U	2000 U	1000 U	1000 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	200 U	10 U	200 U	100 U	200 U	100 U	100 U	2 U
Benzene	**8890**	**8250**	**9080**	**11800**	**5540**	**12500**	**6160**	**5020**	**5860**
Bromobenzene	0.5 U	50 U	2.5 U	50 U	25 U	50 U	25 U	25 U	0.5 U
Bromochloromethane	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
Bromodichloromethane	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
Bromoform (Tribromomethane)	4 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	2 U
Bromomethane (Methyl bromide)	5 UJ	500 U	25 U	500 U	250 U	500 U	250 U	250 U	5 U
Carbon disulfide	10 U	1000 U	50 U	1000 U	500 U	1000 U	500 U	500 U	10 U
Carbon tetrachloride (Tetrachloromethane)	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
Chlorobenzene	0.5 U	50 U	2.5 U	50 U	25 U	50 U	25 U	25 U	0.5 U
Chloroethane	5 U	500 U	25 U	500 UJ	250 U	500 U	250 U	250 U	5 U
Chloroform	10 U	10 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
Chloromethane	5 U	500 U	25 U	500 U	250 U	500 U	250 U	250 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
Dibromochloromethane	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
Dibromomethane	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
Dichlorodifluoromethane	1 U	100 U	5 U	100 UJ	50 U	100 U	50 U	50 U	1 U
Dichloromethane (Methylene chloride)	3 U	300 U	15 U	500 U	250 U	1000 U	500 U	500 U	10 U
Ethylbenzene	**14.5**	22 U	**13.9**	50 U	**14.8 J**	50 U	**14.5 J**	**13.2 J**	**19.7**
Ethylene dibromide (1,2-Dibromoethane)	2 U	2 U	2.5 U	50 U	25 U	50 U	25 U	25 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	500 U	25 U	500 U	250 U	500 U	250 U	250 U	5 U
Isopropylbenzene (Cumene)	**0.9 J**	100 U	5 U	100 U	50 U	100 U	50 U	50 U	**1.52**

Table 1
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-061219-03	GS-061219-04	GS-071019-03	GS-090919-02	GS-121719-02	GS-031220-40	GS-060920-04	GS-092220-02	GS-121620-15
Sample Date	6/12/2019	6/12/2019	7/10/2019	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/16/2020
Depth	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft
Sample Type	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
m,p-Xylene	**36.4**	40 U	**31.4**	100 U	**37.7 J**	100 U	**34 J**	**32.4 J**	**57**
Methyl ethyl ketone (2-Butanone)	10 U	1000 U	50 U	1000 U	500 U	1000 U	500 U	500 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	2 U	2 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
n-Propylbenzene	0.5 U	50 U	2.5 U	50 U	25 U	50 U	25 U	25 U	0.5 U
o-Xylene	**19.6**	20 U	**16.9**	50 U	**18.4 J**	**25.3 J**	**16 J**	**16.4 J**	**32.3**
sec-Butylbenzene	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
Styrene	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
tert-Butylbenzene	1 U	100 U	5 U	100 U	50 U	100 U	50 U	50 U	1 U
Tetrachloroethene (PCE)	2 U	2 U	2 U	40 U	20 U	40 U	20 U	20 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**237**	**205**	**281**	**453**	**340**	**343**	**364**	**341**	**254**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	2 U	2 U	2 U	0.5 U	0.5 U	40 U	20 U	20 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	200 U	10 U	200 U	100 U	200 U	100 U	100 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	2 U	2 U	2 U	0.5 U	0.5 U	40 U	20 U	20 U	0.4 U
Total BTEX (U = 0)	**9197.5**	**8455**	**9423.2**	**12253**	**5950.9 J**	**12868.3 J**	**6588.5 J**	**5423 J**	**6223**
Total VOC (U = 0)	**9198.4 J**	**8455**	**9423.2**	**12253 J**	**5950.9 J**	**12868.3 J**	**6588.5 J**	**5423 J**	**6227.492 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**2.5**	**2.45**	--	**3.16**	**2.67**	**7.58**	**3.98**	**3.23**	**4.14 J**
2-Methylnaphthalene	**1.35**	**1.29**	--	**1.51**	**1.63**	**6.34**	**1.78 J**	**2.86**	**3.48 J**
Acenaphthene	**2.54**	**2.56**	--	**3.76**	**2.74**	**6**	**2.83**	**3.17**	**4.51**
Acenaphthylene	**0.71**	**0.806**	--	**1.19**	**0.873**	**3.02**	**1.15 J**	**1.5**	3.31 U
Anthracene	**1.61**	**1.71**	--	**2.36**	**1.69**	**3.32**	**2.09**	**2.57**	**2.23 J**
Benzo(a)anthracene	**0.269**	**0.256**	--	**0.424**	**0.234**	**0.42 J**	**0.32 J**	**0.233**	1.66 U
Benzo(a)pyrene	**0.395**	**0.364**	--	**0.6**	**0.223**	**0.54 J**	**0.432 J**	**0.258**	1.66 U
Benzo(b)fluoranthene	**0.294**	**0.334**	--	**0.524 J**	**0.173**	0.8 U	0.64 U	**0.18**	1.66 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**0.573**	**0.553**	--	**0.619**	**0.296 J**	**2.26**	**0.816 J**	**0.462**	**1.86 J**
Benzo(j,k)fluoranthene	**0.15 J**	**0.135 J**	--	**0.168 J**	**0.122 J**	0.8 U	0.64 U	**0.0982 J**	1.66 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	**2.49**	**2.43**	--	**3.62**	**2.52**	**7.66**	**5.9**	**4.95**	**5.17**
Chrysene	**0.309**	**0.257**	--	**0.417**	**0.208**	0.8 U	0.64 U	**0.188**	1.66 U
Dibenzo(a,h)anthracene	0.169 U	0.168 U	--	0.162 U	0.159 U	0.8 U	0.64 U	0.164 U	1.66 U
Dibenzofuran	**0.725**	**0.76**	--	**1.22**	**0.847**	**1.94**	1.28 U	**1.16**	3.31 U
Fluoranthene	**1.75**	**1.78**	--	**2.43**	**1.58**	**2.76**	**1.6**	**1.67**	3.31 U
Fluorene	**1.21**	**1.29**	--	**1.94**	**1.34**	**2.72**	**1.82**	**1.73**	**1.82 J**
Indeno(1,2,3-c,d)pyrene	**0.389**	**0.406**	--	**0.503**	**0.247**	**1.42**	0.64 U	**0.327**	**0.952 J**
Naphthalene	**74.2**	**73.4**	--	**104**	**94.4**	**217**	**144**	**100**	**165**
Phenanthrene	**3.59**	**3.54**	--	**3.74**	**3.57**	**7.34**	**3.15**	**3.33**	**4.1 J**

Table 1
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-061219-03	GS-061219-04	GS-071019-03	GS-090919-02	GS-121719-02	GS-031220-40	GS-060920-04	GS-092220-02	GS-121620-15
Sample Date	6/12/2019	6/12/2019	7/10/2019	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/16/2020
Depth	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft
Sample Type	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
Pyrene	1.51	1.48	--	2.09	1.31	2.5	1.58	1.49	3.31 U
Total PAH (17) (U = 0)	90.849 J	90.161 J	--	126.275 J	110.636 J	255.64 J	161.568 J	120.0662 J	183.952 J
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-031121-25	GS-031121-26	GS-060821-06	GS-090221-14	GS-121521-19	GS-030922-08	GS-062022-18	GS-090722-02	GS-121422-02
Sample Date	3/11/2021	3/11/2021	6/8/2021	9/2/2021	12/15/2021	3/9/2022	6/20/2022	9/7/2022	12/14/2022
Depth	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft
Sample Type	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
Conventional Parameters (mg/L)									
Cyanide	**0.0215**	**0.021**	**0.0136**	**0.0097**	**0.032**	**0.0138**	**0.008**	**0.0098**	**0.0286**
Cyanide, available	0.002 U	0.002 U	**0.00101 J**	0.002 U	**0.00128 J**	0.002 U	0.002 U	0.002 U	0.002 U
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	**346**	**275**	**56.8**	**54.7**	**83.8**	**291**	**46.6 J**	**87.2**	**163**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**0.816 J**	**0.828 J**	**0.699 J**	**0.894 J**	**0.871 J**	**0.843 J**	**0.729 J**	**1.63**	**0.704 J**
Barium	**9.25**	**9.14**	**9.08**	**9.75**	**10.8**	**9.21**	**10**	**10.8**	**12.1**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	**8540**	--	--	--	--	--
Chromium	1 U	1 U	2 U	--	2 U	2 U	2 U	2 U	2 U
Cobalt	--	--	--	**1.44**	--	--	--	--	--
Copper	**3.01**	**3.6**	**1.47 J**	**1.55 J**	**1.97 J**	**1.99 J**	**1.39 J**	**1.63 J**	**1.65 J**
Iron	**5370**	**5620**	**3270**	**3360**	**4130**	**5090**	**2800**	**3550**	**3870**
Lead	**0.493**	**0.525**	**0.212**	0.2 U	**0.24**	**0.379**	**0.14 J**	0.2 U	**0.262**
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**350**	**350**	**247**	**248**	**286**	**295**	**207**	**170**	**289**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**4.87**	**4.93**	**5.61**	**6.3**	**7.41**	**5.47**	**5.86**	**6.18**	**7.67**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**2.71**	**2.91**	**1.32 J**	**1.42 J**	**1.39 J**	**2.85**	**1.49 J**	**1.88 J**	2 U
Zinc	**4.41**	**6.06**	**4.77**	4 U	**2.51 J**	**2.28 J**	**7.13**	4 UJ	**2.25 J**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U	20 U
1,1,1-Trichloroethane	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U	20 U
1,1,2,2-Tetrachloroethane	25 U	25 U	25 U	25 U	25 U	50 U	25 U	25 U	25 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	25 U	25 U	25 U	25 U	25 U	50 U	25 U	25 U	25 U
1,1-Dichloroethane	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U	20 U
1,1-Dichloroethene	20 U	20 U	0.5 U	20 U	20 U	40 U	0.4 U	0.5 U	0.5 U
1,1-Dichloropropene	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
1,2,3-Trichlorobenzene	100 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U	100 U
1,2,3-Trichloropropane	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	100 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U	100 U
1,2,4-Trimethylbenzene	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
1,2-Dibromo-3-chloropropane	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U

Table 1
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-031121-25	GS-031121-26	GS-060821-06	GS-090221-14	GS-121521-19	GS-030922-08	GS-062022-18	GS-090722-02	GS-121422-02
Sample Date	3/11/2021	3/11/2021	6/8/2021	9/2/2021	12/15/2021	3/9/2022	6/20/2022	9/7/2022	12/14/2022
Depth	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft
Sample Type	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
1,2-Dichlorobenzene	25 U	25 U	25 U	25 U	25 U	50 U	25 U	25 U	25 U
1,2-Dichloroethane	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U	20 U
1,2-Dichloroethene, cis-	20 U	20 U	0.5 U	20 U	20 U	40 U	0.4 U	0.5 U	0.5 U
1,2-Dichloroethene, trans-	20 U	20 U	0.5 U	20 U	20 U	40 U	0.4 U	0.5 U	0.5 U
1,2-Dichloropropane	25 U	25 U	25 U	25 U	25 U	50 U	25 U	25 U	25 U
1,3,5-Trimethylbenzene (Mesitylene)	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
1,3-Dichlorobenzene	25 U	25 U	25 U	25 U	25 U	50 U	25 U	25 U	25 U
1,3-Dichloropropane	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
1,3-Dichloropropene, cis-	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
1,3-Dichloropropene, trans-	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	25 U	25 U	25 U	25 U	25 U	50 U	25 U	25 U	25 U
2,2-Dichloropropane	50 U	50 U	50 U	50 UJ	50 U	100 U	50 U	50 U	50 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
2-Hexanone (Methyl butyl ketone)	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
4-Chlorotoluene	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
Acetone	1000 U	1000 U	1000 U	1000 U	1000 U	2000 U	1000 U	1000 U	1000 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	100 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U	100 U
Benzene	**10100**	**9540**	**6790**	**6570**	**7910**	**10700**	**3570**	**3340**	**5740**
Bromobenzene	25 U	25 U	25 U	25 U	25 U	50 U	25 U	25 U	25 U
Bromochloromethane	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Bromodichloromethane	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Bromoform (Tribromomethane)	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Bromomethane (Methyl bromide)	250 U	250 U	250 U	250 UJ	250 UJ	500 U	250 U	250 UJ	250 U
Carbon disulfide	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
Carbon tetrachloride (Tetrachloromethane)	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Chlorobenzene	25 U	25 U	25 U	25 U	25 U	50 U	25 U	25 U	25 U
Chloroethane	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
Chloroform	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Chloromethane	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
Cymene, p- (4-Isopropyltoluene)	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Dibromochloromethane	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Dibromomethane	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Dichlorodifluoromethane	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Dichloromethane (Methylene chloride)	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
Ethylbenzene	**25.6**	**25.6**	**20.9 J**	**19.5 J**	**24 J**	**31 J**	**20 J**	25 U	**17.5 J**
Ethylene dibromide (1,2-Dibromoethane)	25 U	25 U	25 U	25 U	25 U	50 U	25 U	25 U	25 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	250 U	250 U	250 U	250 U	250 U	500 U	250 U	250 U	250 U
Isopropylbenzene (Cumene)	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U

Table 1
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-031121-25	GS-031121-26	GS-060821-06	GS-090221-14	GS-121521-19	GS-030922-08	GS-062022-18	GS-090722-02	GS-121422-02
Sample Date	3/11/2021	3/11/2021	6/8/2021	9/2/2021	12/15/2021	3/9/2022	6/20/2022	9/7/2022	12/14/2022
Depth	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft
Sample Type	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
m,p-Xylene	**63.6**	**63.1**	**51.3**	**39 J**	**63.5**	**59 J**	**40 J**	50 U	**39.5 J**
Methyl ethyl ketone (2-Butanone)	500 U	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
n-Propylbenzene	25 U	25 U	25 U	25 U	25 U	50 U	25 U	25 U	25 U
o-Xylene	**29.8**	**30.6**	**24.6 J**	**18 J**	**27.5**	**33 J**	**20 J**	25 U	**21.5 J**
sec-Butylbenzene	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Styrene	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
tert-Butylbenzene	50 U	50 U	50 U	50 U	50 U	100 U	50 U	50 U	50 U
Tetrachloroethene (PCE)	20 U	20 U	20 U	20 U	20 U	40 U	20 U	20 U	20 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**571**	**558**	**445**	**406**	**312**	**467**	**248**	**118**	**462**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	20 U	20 U	0.5 U	20 U	20 U	40 U	0.4 U	0.5 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	100 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U	100 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	20 U	20 U	0.5 U	20 U	20 U	40 U	0.4 U	0.5 U	0.5 U
Total BTEX (U = 0)	**10790**	**10217.3**	**7331.8 J**	**7052.5 J**	**8337 J**	**11290 J**	**3898 J**	**3458**	**6280.5 J**
Total VOC (U = 0)	**10790**	**10217.3**	**7331.8 J**	**7052.5 J**	**8337 J**	**11290 J**	**3898 J**	**3458 J**	**6280.5 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**6.82**	**5.64 J**	**4.55**	**5.61 J**	**5.27**	**7.43**	**7.47**	**4.26**	**5.76 J**
2-Methylnaphthalene	6.78 U	6.69 U	2.59 U	6.56 U	**3.08**	**2.74**	7.11 U	**2.05**	6.54 U
Acenaphthene	**4.45**	**4.35**	**3.32**	**4.47**	**5.62**	5.43 U	12.9 U	**3.62 J**	**4.37 J**
Acenaphthylene	**2.46 J**	**2.09 J**	**1.47**	**2.13 J**	**1.61**	**1.87**	**2.09 J**	**1.71**	3.27 U
Anthracene	**2.41 J**	**2.42 J**	**2.15**	**2.62 J**	**2.6**	**2.48**	3.56 U	**2.66**	**2.94 J**
Benzo(a)anthracene	1.69 U	1.67 U	0.647 U	1.64 U	**0.325**	**0.175 J**	1.78 U	**0.206**	1.63 U
Benzo(a)pyrene	1.69 U	1.67 U	0.647 U	1.64 U	**0.381**	**0.161 J**	1.78 U	**0.234**	1.63 U
Benzo(b)fluoranthene	1.69 U	1.67 U	0.647 U	1.64 U	**0.316 J**	**0.184 J**	1.78 U	**0.24**	1.63 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**2.2 J**	**2.13 J**	1.29 U	3.28 U	**1.04**	**0.812**	3.56 U	**0.836**	3.27 U
Benzo(j,k)fluoranthene	1.69 U	1.67 U	0.647 U	1.64 U	**0.195 J**	0.189 U	1.78 U	**0.0855 J**	1.63 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	**8.64**	**9.4**	**7.73**	**8.93**	**10.6**	**9.98**	**9.12**	**6.21**	**9.15**
Chrysene	1.69 U	1.67 U	0.647 U	1.64 U	**0.203 J**	**0.132 J**	1.78 U	**0.206**	1.63 U
Dibenzo(a,h)anthracene	1.69 U	1.67 U	0.647 U	1.64 U	0.325 U	0.189 U	1.78 U	**0.0438 J**	1.63 U
Dibenzofuran	3.39 U	3.34 U	**0.728 J**	3.28 U	**1.58**	**1.17**	3.56 U	**1.22**	3.27 U
Fluoranthene	3.39 U	3.34 U	**1.13 J**	3.28 U	**1.77**	**1.24**	3.56 U	**1.23**	3.27 U
Fluorene	**2.29 J**	**2.38 J**	**1.7**	**2.38 J**	**2.43**	**2.55**	**2.22 J**	**2.14**	**2.45 J**
Indeno(1,2,3-c,d)pyrene	**1.44 J**	**1.17 J**	0.647 U	1.64 U	**0.828**	**0.567**	1.78 U	**0.54**	**0.858 J**
Naphthalene	**240**	**233**	**140**	**242**	**168**	**154**	**240**	**98.9**	**199**
Phenanthrene	**4.49 J**	**4.3 J**	**2.83**	**3.93 J**	**4.68**	**3.4**	7.11 U	**3.17**	**4.09 J**

Table 1
Laboratory Testing Results

Location ID	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F	MW-46F
sys_sample_code	GS-031121-25	GS-031121-26	GS-060821-06	GS-090221-14	GS-121521-19	GS-030922-08	GS-062022-18	GS-090722-02	GS-121422-02
Sample Date	3/11/2021	3/11/2021	6/8/2021	9/2/2021	12/15/2021	3/9/2022	6/20/2022	9/7/2022	12/14/2022
Depth	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft	6.1 - 16.1 ft
Sample Type	N	FD	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04	7623476.04
Y	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02	704733.02
Pyrene	3.39 U	3.34 U	**1.13 J**	3.28 U	**1.59**	**1.11**	3.56 U	**1.15**	3.27 U
Total PAH (17) (U = 0)	**259.74 J**	**251.84 J**	**153.73 J**	**257.53 J**	**194.668 J**	**171.421 J**	**244.31 J**	**119.0213 J**	**213.708 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-051718-04	GS-082218-02	GS-082218-03	GS-121218-03	GS-031119-03	GS-031119-04	GS-061219-02	GS-071019-02	GS-090919-03
Sample Date	5/17/2018	8/22/2018	8/22/2018	12/12/2018	3/11/2019	3/11/2019	6/12/2019	7/10/2019	9/9/2019
Depth	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft
Sample Type	N	N	FD	N	N	FD	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
Conventional Parameters (mg/L)									
Cyanide	**0.15**	**0.149**	**0.145**	**0.313**	**0.138**	**0.135**	**0.0208**	--	**0.22**
Cyanide, available	0.002 U	**0.00237**	**0.00237**	**0.00132 J**	**0.00124 J**	**0.00108 J**	**0.00225**	--	0.002 U
Cyanide, free	**0.0762**	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	**0.00876**	--	0.005 UJ
Metals (µg/L)									
Aluminum	**236**	**37.4 J**	**43.8 J**	**53.3**	50 U	50 U	50 U	--	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Arsenic	**1.42**	**1.19**	**1.2**	**1.04**	**0.727 J**	**0.658 J**	**0.59 J**	--	**0.601 J**
Barium	**29.7**	**30.3**	**30.6**	**50.6**	**28.7**	**27.7**	**27.5**	--	**27.2**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	**0.767 J**	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	**1.41**	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U
Iron	**16800**	**11800**	**11800**	**17300**	**22200**	**21600**	**25300**	--	**24500**
Lead	**1.42**	**0.226**	**0.202**	**0.29**	0.2 U	0.2 U	**0.114 J**	--	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**2570**	**2150**	**2010**	**3460**	**2950**	**3020**	**3170**	--	**3460**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	--	0.08 U
Nickel	**7.2**	**0.732 J**	**0.758 J**	**0.768 J**	1 U	1 U	1 U	--	1 U
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	**0.656 J**	1 U	1 U	--	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U
Vanadium	**2.57**	**1.53**	**1.52**	**1.66**	**0.951 J**	**0.956 J**	**0.859 J**	--	**0.689 J**
Zinc	**6.9**	**3.18 J**	**2.82 J**	4 U	**2.47 J**	**2.33 J**	4 U	--	4 U
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	20 U	40 U	40 U	10 U	40 U	40 U	40 U	20 U	40 U
1,1,1-Trichloroethane	20 U	40 U	40 U	10 U	40 U	40 U	40 U	20 U	40 U
1,1,2,2-Tetrachloroethane	1 U	50 U	50 U	0.2 U	50 U	50 U	2 U	25 U	50 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	1 U	50 U	50 U	0.2 U	50 U	50 U	2 U	25 U	50 U
1,1-Dichloroethane	1 U	40 U	40 U	0.2 U	40 U	40 U	2 U	20 U	40 U
1,1-Dichloroethene	1 U	0.5 U	0.5 U	0.2 U	0.5 U	0.5 U	2 U	20 U	0.5 U
1,1-Dichloropropene	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
1,2,3-Trichlorobenzene	100 U	200 U	200 U	50 U	200 U	200 U	200 U	100 U	200 U
1,2,3-Trichloropropane	5 U	100 U	100 U	1 U	100 U	100 U	10 U	50 U	100 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	100 U	200 U	200 U	50 U	200 U	200 U	200 U	100 U	200 U
1,2,4-Trimethylbenzene	**131**	**54.3 J**	**53.2 J**	**17.6**	**192**	**181**	**137**	**232**	**159**
1,2-Dibromo-3-chloropropane	10 U	500 U	500 U	2 U	500 U	500 U	20 U	250 U	500 U

Table 1
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-051718-04	GS-082218-02	GS-082218-03	GS-121218-03	GS-031119-03	GS-031119-04	GS-061219-02	GS-071019-02	GS-090919-03
Sample Date	5/17/2018	8/22/2018	8/22/2018	12/12/2018	3/11/2019	3/11/2019	6/12/2019	7/10/2019	9/9/2019
Depth	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft
Sample Type	N	N	FD	N	N	FD	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
1,2-Dichlorobenzene	25 U	50 U	50 U	12.5 U	50 U	50 U	50 U	25 U	50 U
1,2-Dichloroethane	1 U	40 U	40 U	0.2 U	40 U	40 U	2 U	20 U	40 U
1,2-Dichloroethene, cis-	1 U	0.5 U	0.5 U	0.2 U	0.5 U	0.5 U	2 U	20 U	0.5 U
1,2-Dichloroethene, trans-	1 U	0.5 U	0.5 U	0.2 U	0.5 U	0.5 U	2 U	20 U	0.5 U
1,2-Dichloropropane	1 U	50 U	50 U	0.2 U	50 U	50 U	2 U	25 U	50 U
1,3,5-Trimethylbenzene (Mesitylene)	**48.8**	100 U	100 U	**9.16**	**70 J**	**65 J**	**73.9**	**78.4**	**56 J**
1,3-Dichlorobenzene	25 U	50 U	50 U	12.5 U	50 U	50 U	50 U	25 U	50 U
1,3-Dichloropropane	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
1,3-Dichloropropene, cis-	1 U	100 U	100 U	0.2 U	100 U	100 U	2 U	50 U	100 U
1,3-Dichloropropene, trans-	1 U	100 U	100 U	0.2 U	100 U	100 U	2 U	50 U	100 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	25 U	50 U	50 U	12.5 U	50 U	50 U	50 U	25 U	50 U
2,2-Dichloropropane	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
2-Hexanone (Methyl butyl ketone)	500 U	1000 U	1000 U	250 U	1000 U	1000 U	1000 U	500 U	1000 U
4-Chlorotoluene	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500 U	1000 U	1000 U	250 U	1000 U	1000 U	1000 U	500 U	1000 U
Acetone	1000 U	2000 U	2000 U	500 U	2000 U	2000 U	2000 U	1000 U	2000 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	100 U	200 U	200 U	50 U	200 U	200 U	200 U	100 U	200 U
Benzene	**12600**	**7140**	**7370**	**2180**	**13300**	**13800**	**19100**	**14300**	**11200**
Bromobenzene	25 U	50 U	50 U	12.5 U	50 U	50 U	50 U	25 U	50 U
Bromochloromethane	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
Bromodichloromethane	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
Bromoform (Tribromomethane)	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
Bromomethane (Methyl bromide)	250 U	500 UJ	500 UJ	125 U	500 U	500 U	500 U	250 U	500 U
Carbon disulfide	500 U	1000 U	1000 U	250 U	1000 U	1000 U	1000 U	500 U	1000 U
Carbon tetrachloride (Tetrachloromethane)	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
Chlorobenzene	25 U	50 U	50 U	12.5 U	50 U	50 U	50 U	25 U	50 U
Chloroethane	250 U	500 U	500 U	125 U	500 U	500 U	500 U	250 U	500 UJ
Chloroform	5 U	100 U	100 U	1 U	100 U	100 U	10 U	50 U	100 U
Chloromethane	250 U	500 U	500 U	125 U	500 U	500 U	500 U	250 U	500 U
Cymene, p- (4-Isopropyltoluene)	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
Dibromochloromethane	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
Dibromomethane	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
Dichlorodifluoromethane	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 UJ
Dichloromethane (Methylene chloride)	150 U	300 U	300 U	75 U	300 U	300 U	300 U	150 U	500 U
Ethylbenzene	**697**	**410**	**441**	**76.8**	**841**	**831**	**790**	**1050**	**963**
Ethylene dibromide (1,2-Dibromoethane)	1 U	50 U	50 U	0.2 U	50 U	50 U	2 U	25 U	50 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	250 U	500 U	500 U	125 U	500 U	500 U	500 U	250 U	500 U
Isopropylbenzene (Cumene)	**37 J**	100 U	100 U	25 U	**51 J**	100 U	100 U	**47.2 J**	100 U

Table 1
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-051718-04	GS-082218-02	GS-082218-03	GS-121218-03	GS-031119-03	GS-031119-04	GS-061219-02	GS-071019-02	GS-090919-03
Sample Date	5/17/2018	8/22/2018	8/22/2018	12/12/2018	3/11/2019	3/11/2019	6/12/2019	7/10/2019	9/9/2019
Depth	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft
Sample Type	N	N	FD	N	N	FD	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
m,p-Xylene	**280**	**132**	**142**	**26.7**	**480**	**451**	**437**	**684**	**456**
Methyl ethyl ketone (2-Butanone)	500 U	1000 U	1000 U	250 U	1000 U	1000 U	1000 U	500 U	1000 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	100 U	100 U	0.2 U	100 U	100 U	2 U	50 U	100 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
n-Propylbenzene	**23.6 J**	50 U	50 U	12.5 U	**36 J**	**34 J**	**25 J**	**32.6**	**25.5 J**
o-Xylene	**348**	**168**	**181**	**31.8**	**410**	**407**	**304**	**490**	**324**
sec-Butylbenzene	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
Styrene	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
tert-Butylbenzene	50 U	100 U	100 U	25 U	100 U	100 U	100 U	50 U	100 U
Tetrachloroethene (PCE)	1 U	40 U	40 U	0.2 U	40 U	40 U	2 U	20 U	40 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**63.5**	100 U	100 U	**10**	**89 J**	**104**	**123**	**111**	**95.6 J**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	1 U	0.5 U	0.5 U	0.2 U	0.5 U	0.5 U	2 U	20 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	100 U	200 U	200 U	50 U	200 U	200 U	200 U	100 U	200 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	1 U	0.5 U	0.5 U	0.2 U	0.5 U	0.5 U	2 U	20 U	0.5 U
Total BTEX (U = 0)	**13988.5**	**7850**	**8134**	**2325.3**	**15120 J**	**15593**	**20754**	**16635**	**13038.6 J**
Total VOC (U = 0)	**14228.9 J**	**7904.3 J**	**8187.2 J**	**2352.06**	**15469 J**	**15873 J**	**20989.9 J**	**17025.2 J**	**13279.1 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**507**	**301**	**305**	**239**	**696**	**662**	**799**	--	**737**
2-Methylnaphthalene	**650**	**263**	**260**	**114**	**940**	**873**	**1100**	--	**1020**
Acenaphthene	**300**	**267**	**271**	**309**	**258**	**247**	**277**	--	**270**
Acenaphthylene	**26.4**	**5.8**	**6.3**	**12.6**	**14.2**	**7.2**	14.2 U	--	**11.4**
Anthracene	**22.8**	**12.8**	**13.6**	**15.2**	**10.7**	**13.1**	**10.3 J**	--	**9.44**
Benzo(a)anthracene	**7.35**	**1.11 J**	**0.946 J**	**2.03 J**	3.28 U	3.39 U	6.45 U	--	4.35 U
Benzo(a)pyrene	**10.1**	1.68 U	1.66 U	**1.99**	3.28 U	3.39 U	6.45 U	--	4.35 U
Benzo(b)fluoranthene	**8.58**	1.68 U	1.66 U	**1.44 J**	3.28 U	3.39 U	6.45 U	--	4.35 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**9.11**	3.35 U	3.32 U	**1.76**	6.56 U	6.78 U	12.9 U	--	8.69 U
Benzo(j,k)fluoranthene	--	--	--	--	3.28 U	3.39 U	6.45 U	--	4.35 U
Benzo(k)fluoranthene	**3.06 J**	1.68 U	1.66 U	**0.756 J**	--	--	--	--	--
Carbazole	**177**	**63.6**	**63.9**	**44.2**	**128**	**115**	**145**	--	**146**
Chrysene	**8.74**	**0.859 J**	**1.08 J**	**2.27 J**	3.28 U	3.39 U	6.45 U	--	4.35 U
Dibenzo(a,h)anthracene	**0.965 J**	1.68 U	1.66 U	0.645 U	3.28 U	3.39 U	6.45 U	--	4.35 U
Dibenzofuran	**14.7**	**14.6**	**14.2**	**14.1**	**15.7**	**15.2**	**19.5**	--	**18.6**
Fluoranthene	**53.5**	**21.2**	**21.4**	**24.6**	**21.1**	**21**	**19.4**	--	**19.8**
Fluorene	**81.2**	**73**	**74.4**	**75.9**	**62.1**	**60.5**	**71.3**	--	**69**
Indeno(1,2,3-c,d)pyrene	**7.76**	1.68 U	1.66 U	**1.51**	3.28 U	3.39 U	6.45 U	--	4.35 U
Naphthalene	**1620**	**777**	**758**	**709**	**1190**	**1030**	**2970**	--	**2400**
Phenanthrene	**161**	**105**	**108**	**95.3**	**96.5**	**93.1**	**105**	--	**107**

Table 1
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-051718-04	GS-082218-02	GS-082218-03	GS-121218-03	GS-031119-03	GS-031119-04	GS-061219-02	GS-071019-02	GS-090919-03
Sample Date	5/17/2018	8/22/2018	8/22/2018	12/12/2018	3/11/2019	3/11/2019	6/12/2019	7/10/2019	9/9/2019
Depth	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft
Sample Type	N	N	FD	N	N	FD	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
Pyrene	57.9	21.5	21.5	24.2	21.8	20.9	19.9	--	20
Total PAH (17) (U = 0)	3028.465 J	1548.269 J	1536.226 J	1391.556 J	2614.4	2365.8	4572.9 J	--	3926.64
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-121719-04	GS-031220-46	GS-060920-06	GS-092220-03	GS-121020-12	GS-030421-07	GS-060721-02	GS-090121-02	GS-121321-05
Sample Date	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020	3/4/2021	6/7/2021	9/1/2021	12/13/2021
Depth	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
Conventional Parameters (mg/L)									
Cyanide	**0.289**	**0.324**	**0.288**	**0.323**	**0.389**	**0.312**	**0.273**	**0.26 J**	**0.324**
Cyanide, available	0.002 U	**0.00233**	**0.00196 J**	**0.00104 J**	**0.00131 J**	0.002 U	**0.00182 J**	0.002 U	**0.00224 J**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 UJ	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**0.679 J**	**0.656 J**	**0.752 J**	**0.688 J**	**0.662 J**	**0.687 J**	**0.648 J**	**0.633 J**	**0.746 J**
Barium	**31.7**	**30.4**	**29.7**	**32.8**	**34.6**	**30.9**	**32.5**	**33.3**	**32.9**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	**0.882 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Iron	**27300**	**30200**	**29500**	**31500**	**35100**	**32300**	**35000**	**35300**	**37400**
Lead	**0.1 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**3820**	**4170**	**3540**	**3850**	**4110**	**3540**	**3730**	**3770**	**3810**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	1 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Potassium	--	**567**	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**0.751 J**	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Zinc	4 U	4 U	4 U	4 U	4 U	**6.27**	4 U	**4.03**	**2.85 J**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	40 U	40 U	40 U	20 U	40 U	40 U	40 U	40 U	40 U
1,1,1-Trichloroethane	40 U	40 U	40 U	20 U	40 U	40 U	40 U	40 U	40 U
1,1,2,2-Tetrachloroethane	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	50 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	50 U
1,1-Dichloroethane	40 U	40 U	40 U	20 U	40 U	40 U	40 U	40 U	40 U
1,1-Dichloroethene	0.5 U	40 U	40 U	20 U	40 U	40 U	40 U	40 U	40 U
1,1-Dichloropropene	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
1,2,3-Trichlorobenzene	200 U	200 U	200 U	100 U	200 U	200 U	200 U	200 U	200 U
1,2,3-Trichloropropane	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	200 U	200 U	200 U	100 U	200 U	200 U	200 U	200 U	200 U
1,2,4-Trimethylbenzene	**197**	**185**	**170**	**247**	**160**	**144**	**191**	**149**	**169**
1,2-Dibromo-3-chloropropane	500 U	500 U	500 U	250 U	500 U	500 U	500 U	500 U	500 U

Table 1
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-121719-04	GS-031220-46	GS-060920-06	GS-092220-03	GS-121020-12	GS-030421-07	GS-060721-02	GS-090121-02	GS-121321-05
Sample Date	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020	3/4/2021	6/7/2021	9/1/2021	12/13/2021
Depth	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
1,2-Dichlorobenzene	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	50 U
1,2-Dichloroethane	40 U	40 U	40 U	20 U	40 U	40 U	40 U	40 U	40 U
1,2-Dichloroethene, cis-	0.5 U	40 U	40 U	20 U	40 U	40 U	40 U	40 U	40 U
1,2-Dichloroethene, trans-	0.5 U	40 U	40 U	20 U	40 U	40 U	40 U	40 U	40 U
1,2-Dichloropropane	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	50 U
1,3,5-Trimethylbenzene (Mesitylene)	**73.5 J**	**63.2 J**	**57 J**	**79.7**	**51.4 J**	**57 J**	**71 J**	**52 J**	**68 J**
1,3-Dichlorobenzene	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	50 U
1,3-Dichloropropane	100 U	100 U	200 U	50 U	100 U	100 U	100 U	100 U	100 U
1,3-Dichloropropene, cis-	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
1,3-Dichloropropene, trans-	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	50 U
2,2-Dichloropropane	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 UJ	100 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
2-Hexanone (Methyl butyl ketone)	1000 U	1000 U	1000 U	500 U	1000 U	1000 U	1000 U	1000 U	1000 U
4-Chlorotoluene	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1000 U	1000 U	1000 U	500 U	1000 U	1000 U	1000 U	1000 U	1000 U
Acetone	2000 U	2000 U	2000 U	1000 U	2000 U	2000 U	2000 U	2000 U	2000 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	200 U	200 U	200 U	100 U	200 U	200 U	200 U	200 U	200 U
Benzene	**9050**	**7090**	**7740**	**5420**	**4590**	**8400**	**9500**	**7850**	**10300**
Bromobenzene	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	50 U
Bromochloromethane	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
Bromodichloromethane	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
Bromoform (Tribromomethane)	100 U	100 U	100 U	50 U	200 U	100 U	100 U	100 U	100 U
Bromomethane (Methyl bromide)	500 U	500 U	500 U	250 U	500 U	500 UJ	500 UJ	500 UJ	500 U
Carbon disulfide	1000 U	1000 U	1000 U	500 U	1000 U	1000 U	1000 U	1000 U	1000 U
Carbon tetrachloride (Tetrachloromethane)	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
Chlorobenzene	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	50 U
Chloroethane	500 U	500 U	500 U	250 U	500 U	500 U	500 U	500 U	500 U
Chloroform	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
Chloromethane	500 U	500 U	500 U	250 U	500 U	500 U	500 U	500 U	500 U
Cymene, p- (4-Isopropyltoluene)	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
Dibromochloromethane	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
Dibromomethane	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
Dichlorodifluoromethane	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
Dichloromethane (Methylene chloride)	500 U	1000 U	1000 U	500 U	1000 U	1000 U	1000 U	1000 U	1000 U
Ethylbenzene	**1160**	**951**	**1010**	**1200**	**1100**	**591**	**1080**	**926**	**769**
Ethylene dibromide (1,2-Dibromoethane)	50 U	50 U	50 U	25 U	100 U	50 U	50 U	50 U	50 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	500 U	500 U	500 U	250 U	500 U	500 U	500 U	500 U	500 U
Isopropylbenzene (Cumene)	100 U	100 U	**50 J**	**48.7 J**	100 U	100 U	100 U	100 U	100 U

Table 1
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-121719-04	GS-031220-46	GS-060920-06	GS-092220-03	GS-121020-12	GS-030421-07	GS-060721-02	GS-090121-02	GS-121321-05
Sample Date	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020	3/4/2021	6/7/2021	9/1/2021	12/13/2021
Depth	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
m,p-Xylene	**516**	**550**	**481**	**457**	**292**	**209**	**324**	**187**	**197**
Methyl ethyl ketone (2-Butanone)	1000 U	1000 U	1000 U	500 U	1000 U	1000 U	1000 U	1000 U	1000 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
n-Propylbenzene	**39.1 J**	**27.6 J**	**28 J**	**31.6**	**25.2 J**	50 U	**33 J**	**25 J**	**30 J**
o-Xylene	**396**	**312**	**256**	**306**	**210**	**170**	**247**	**160**	**148**
sec-Butylbenzene	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
Styrene	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
tert-Butylbenzene	100 U	100 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U
Tetrachloroethene (PCE)	40 U	40 U	40 U	20 U	40 U	40 U	40 U	40 U	40 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**125**	**81.5 J**	**90 J**	**53.6**	**52.1 J**	100 U	**60 J**	100 U	**52 J**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.5 U	40 U	40 U	20 U	40 U	40 U	40 U	40 U	40 U
Trichlorofluoromethane (Fluorotrichloromethane)	200 U	200 U	200 U	100 U	200 U	200 U	200 U	200 U	200 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.5 U	40 U	40 U	20 U	40 U	40 U	40 U	40 U	40 U
Total BTEX (U = 0)	**11247**	**8984.5 J**	**9577 J**	**7436.6**	**6244.1 J**	**9370**	**11211 J**	**9123**	**11466 J**
Total VOC (U = 0)	**11556.6 J**	**9260.3 J**	**9882 J**	**7843.6 J**	**6480.7 J**	**9571 J**	**11506 J**	**9349 J**	**11733 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**848**	**882**	**1030**	**921**	**544**	**721**	**741**	**841**	**581**
2-Methylnaphthalene	**1200**	**1280**	**1450**	**1310**	**763**	**994**	**1070**	**1180**	**867**
Acenaphthene	**261**	**279**	**303**	**259**	**193**	**245**	**266**	**240**	**236**
Acenaphthylene	**14.2**	32.3 U	12 U	16.1 U	8.47 U	9.29 U	13.9 U	8.76 U	9.58 U
Anthracene	**11.8**	32.3 U	**11.6**	**11.2 J**	**6.78 J**	**10**	**10.1 J**	**8.98**	**6.59 J**
Benzo(a)anthracene	**3.18 J**	16.1 U	**1.15**	8.03 U	4.24 U	**0.743**	6.96 U	**0.919 J**	4.79 U
Benzo(a)pyrene	**3.25**	16.1 U	**0.561 J**	8.03 U	4.24 U	0.743 U	6.96 U	1.75 U	4.79 U
Benzo(b)fluoranthene	3.22 U	16.1 U	**0.337 J**	8.03 U	4.24 U	0.743 U	6.96 U	1.75 U	4.79 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	6.44 U	32.3 U	1.28 U	16.1 U	8.47 U	1.49 U	13.9 U	3.5 U	9.58 U
Benzo(j,k)fluoranthene	3.22 U	16.1 U	0.641 U	8.03 U	4.24 U	0.743 U	6.96 U	1.75 U	4.79 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	**129**	**123**	**197**	**175**	**164**	**186**	**135**	**141**	**147**
Chrysene	**2.42 J**	16.1 U	**0.769**	8.03 U	4.24 U	**0.446 J**	6.96 U	1.75 U	4.79 U
Dibenzo(a,h)anthracene	3.22 U	16.1 U	0.641 U	8.03 U	4.24 U	0.743 U	6.96 U	1.75 U	4.79 U
Dibenzofuran	**18**	**22.2 J**	**23.4**	**22.5**	**13.3**	**18.6**	**21.4**	**21.9**	**19.8**
Fluoranthene	**22.9**	32.3 U	**20.8**	**23.5**	**11.1**	**16.8**	**13.2 J**	**14.1**	**13.9**
Fluorene	**67.5**	**73.8**	**83.7**	**77.1**	**49.6**	**71.7**	**68.2**	**79.2**	**67.3**
Indeno(1,2,3-c,d)pyrene	**2.13 J**	16.1 U	0.641 U	8.03 U	4.24 U	0.743 U	6.96 U	1.75 U	4.79 U
Naphthalene	**2420**	**4440**	**4690**	**3680**	**2520**	**2590**	**3570**	**2680**	**1820**
Phenanthrene	**110**	**122**	**126**	**113**	**67.2**	**102**	**105**	**96.7**	**91.6**

Table 1
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F
sys_sample_code	GS-121719-04	GS-031220-46	GS-060920-06	GS-092220-03	GS-121020-12	GS-030421-07	GS-060721-02	GS-090121-02	GS-121321-05
Sample Date	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020	3/4/2021	6/7/2021	9/1/2021	12/13/2021
Depth	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71	705298.71
Pyrene	23.9	16.1 J	22.4	26.1	12	16.9	14.4	14	14.8
Total PAH (17) (U = 0)	4142.28 J	6210.9 J	6710.317 J	5499.9 J	3622.68 J	4047.589 J	5116.9 J	4313.899 J	3117.19 J
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-121321-06	GS-030822-04	GS-061622-13	GS-090722-07	GS-121422-07	GS-051718-05	GS-082218-01	GS-121218-04	GS-031119-02
Sample Date	12/13/2021	3/8/2022	6/16/2022	9/7/2022	12/14/2022	5/17/2018	8/22/2018	12/12/2018	3/11/2019
Depth	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft
Sample Type	FD	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623850.06	7623850.06	7623850.06	7623850.06
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705158.82	705158.82	705158.82	705158.82
Conventional Parameters (mg/L)									
Cyanide	**0.335**	**0.327 J**	**0.212**	**0.203**	**0.246**	**2.42**	**1.46**	**0.981**	**0.792**
Cyanide, available	**0.00212 J**	**0.00321**	**0.00312**	0.002 U	0.002 U	**0.0053**	**0.00516**	**0.00233**	**0.0029**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	**0.0241**	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	**1870**	50 U	50 U	50 U	55.8 U	**39.7 J**	**35.2 J**	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	**3.31**	1 U	1 U	1 U
Arsenic	**0.678 J**	**1.4**	**0.8 J**	**0.681 J**	**0.768 J**	**4.98**	**5.63**	**7.22**	**7.24**
Barium	**32.7**	**46.3**	**29.7**	**28.3**	**35.4**	**251**	**82.9**	**42.5**	**31.8**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	2 U	**4.97**	2 U	2 U	2 U	**1.47**	**0.783 J**	**0.575 J**	1 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	**4.9**	2 U	**1.32 J**	2 U	**0.833 J**	1 U	1 U	1 U
Iron	**36700**	**36600**	**31500**	**29200**	**37200**	**88800**	**59400**	**48100**	**42000**
Lead	0.2 U	**8.54**	0.2 U	0.2 UJ	0.2 U	0.2 U	**0.118 J**	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**3980**	**3760**	**3190**	**3170**	**3810**	**8240**	**4440**	**2000**	**1740**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	2 U	**12.2**	2 U	2 U	2 U	**37.5**	**2.48**	**0.999 J**	**0.764 J**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	**0.967 J**	**0.505 J**	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	2 U	**10.7**	2 U	2 U	20 U	**6.2**	**3.63**	**1.97**	**1.82**
Zinc	**2.61 J**	**29.9**	**2.24 J**	4 UJ	**2.23 J**	**21.2**	**4.31**	**3.46 J**	**2.68 J**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	40 U	40 U	20 U	20 U	20 U	20 U	40 U	200 U	40 U
1,1,1-Trichloroethane	40 U	40 U	20 U	20 U	20 U	20 U	40 U	200 U	40 U
1,1,2,2-Tetrachloroethane	50 U	50 U	25 U	25 U	25 U	1 U	50 U	10 U	50 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	50 U	50 U	25 U	25 U	25 U	1 U	50 U	10 U	50 U
1,1-Dichloroethane	40 U	40 U	20 U	20 U	20 U	1 U	40 U	10 U	40 U
1,1-Dichloroethene	40 U	40 U	20 U	20 U	0.5 U	1 U	40 U	10 U	40 U
1,1-Dichloropropene	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
1,2,3-Trichlorobenzene	200 U	200 U	100 U	100 U	100 U	100 U	200 U	1000 U	200 U
1,2,3-Trichloropropane	100 U	100 U	50 U	50 U	50 U	5 U	100 U	50 U	100 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	200 U	200 U	100 U	100 U	100 U	100 U	200 U	1000 U	200 U
1,2,4-Trimethylbenzene	**172**	**114**	**140**	**123**	**86.5**	**107**	**132**	**203**	**173**
1,2-Dibromo-3-chloropropane	500 U	500 U	250 U	250 U	250 U	10 U	500 U	100 U	500 U

Table 1
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-121321-06	GS-030822-04	GS-061622-13	GS-090722-07	GS-121422-07	GS-051718-05	GS-082218-01	GS-121218-04	GS-031119-02
Sample Date	12/13/2021	3/8/2022	6/16/2022	9/7/2022	12/14/2022	5/17/2018	8/22/2018	12/12/2018	3/11/2019
Depth	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft
Sample Type	FD	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623850.06	7623850.06	7623850.06	7623850.06
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705158.82	705158.82	705158.82	705158.82
1,2-Dichlorobenzene	50 U	50 U	25 U	25 U	25 U	25 U	50 U	250 U	50 U
1,2-Dichloroethane	40 U	40 U	20 U	20 U	20 U	1 U	40 U	10 U	40 U
1,2-Dichloroethene, cis-	40 U	40 U	20 U	20 U	0.5 U	1 U	40 U	10 U	40 U
1,2-Dichloroethene, trans-	40 U	40 U	20 U	20 U	0.5 U	1 U	40 U	10 U	40 U
1,2-Dichloropropane	50 U	50 U	25 U	25 U	25 U	1 U	50 U	10 U	50 U
1,3,5-Trimethylbenzene (Mesitylene)	**67 J**	**60 J**	**57.5**	**48.5 J**	**45.5 J**	**47.7**	100 U	**65.4**	**67 J**
1,3-Dichlorobenzene	50 U	50 U	25 U	25 U	25 U	25 U	50 U	250 U	50 U
1,3-Dichloropropane	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
1,3-Dichloropropene, cis-	100 U	100 U	50 U	50 U	50 U	1 U	100 U	10 U	100 U
1,3-Dichloropropene, trans-	100 U	100 U	50 U	50 U	50 U	1 U	100 U	10 U	100 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	50 U	50 U	25 U	25 U	25 U	25 U	50 U	250 U	50 U
2,2-Dichloropropane	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
2-Hexanone (Methyl butyl ketone)	1000 U	1000 U	500 U	500 U	500 U	500 U	1000 U	5000 U	1000 U
4-Chlorotoluene	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1000 U	1000 U	500 U	500 U	500 U	500 U	1000 U	5000 U	1000 U
Acetone	2000 U	2000 U	1000 U	1000 U	1000 U	1000 U	2000 U	10000 U	2000 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	200 U	200 U	100 U	100 U	100 U	100 U	200 U	1000 U	200 U
Benzene	**9640**	**15700**	**13500**	**10200**	**7280**	**8980**	**24400**	**57600**	**39300**
Bromobenzene	50 U	50 U	25 U	25 U	25 U	25 U	50 U	250 U	50 U
Bromochloromethane	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
Bromodichloromethane	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
Bromoform (Tribromomethane)	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
Bromomethane (Methyl bromide)	500 U	500 UJ	250 U	250 UJ	250 U	250 U	500 UJ	2500 U	500 U
Carbon disulfide	1000 U	1000 U	500 U	500 U	500 U	500 U	1000 U	5000 U	1000 U
Carbon tetrachloride (Tetrachloromethane)	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
Chlorobenzene	50 U	50 U	25 U	25 U	25 U	25 U	50 U	250 U	50 U
Chloroethane	500 U	500 U	250 U	250 U	250 U	500 U	500 U	2500 U	500 U
Chloroform	100 U	100 U	50 U	50 U	50 U	5 U	100 U	50 U	100 U
Chloromethane	500 U	500 U	250 U	250 U	250 U	250 U	500 U	2500 U	500 U
Cymene, p- (4-Isopropyltoluene)	100 U	100 U	50 U	50 U	**29.5 J**	50 U	100 U	500 U	100 U
Dibromochloromethane	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
Dibromomethane	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
Dichlorodifluoromethane	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
Dichloromethane (Methylene chloride)	1000 U	1000 U	500 U	500 U	500 U	150 U	300 U	1500 U	300 U
Ethylbenzene	**820**	**563**	**564**	**550**	**550**	**356**	**554**	**1070**	**1120**
Ethylene dibromide (1,2-Dibromoethane)	50 U	50 U	25 U	25 U	25 U	1 U	50 U	10 U	50 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	500 U	500 U	250 U	250 U	250 U	250 U	500 U	2500 U	500 U
Isopropylbenzene (Cumene)	100 U	**67 J**	**33 J**	**29 J**	**34 J**	50 U	100 U	500 U	100 U

Table 1
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-121321-06	GS-030822-04	GS-061622-13	GS-090722-07	GS-121422-07	GS-051718-05	GS-082218-01	GS-121218-04	GS-031119-02
Sample Date	12/13/2021	3/8/2022	6/16/2022	9/7/2022	12/14/2022	5/17/2018	8/22/2018	12/12/2018	3/11/2019
Depth	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft
Sample Type	FD	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623850.06	7623850.06	7623850.06	7623850.06
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705158.82	705158.82	705158.82	705158.82
m,p-Xylene	**192**	**236**	**318**	**267**	**204**	**553**	**689**	**1050**	**1120**
Methyl ethyl ketone (2-Butanone)	1000 U	1000 U	500 U	500 U	500 U	500 U	1000 U	5000 U	1000 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	100 U	100 U	50 U	50 U	50 U	1 U	100 U	10 U	100 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
n-Propylbenzene	**30 J**	50 U	**25.5**	**24.5 J**	**21.5 J**	25 U	50 U	250 U	50 U
o-Xylene	**148**	**158**	**202**	**170**	**134**	**252**	**316**	**493**	**528**
sec-Butylbenzene	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
Styrene	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
tert-Butylbenzene	100 U	100 U	50 U	50 U	50 U	50 U	100 U	500 U	100 U
Tetrachloroethene (PCE)	40 U	**20 J**	20 U	20 U	20 U	1 U	40 U	10 U	40 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	100 U	**69 J**	**110**	**62.5**	**48 J**	**1100**	**2820**	**7080**	**7150 J**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	40 U	40 U	20 U	20 U	0.5 U	1 U	40 U	10 U	40 U
Trichlorofluoromethane (Fluorotrichloromethane)	200 U	200 U	100 U	100 U	100 U	100 U	200 U	1000 U	200 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	40 U	40 U	20 U	20 U	0.5 U	1 U	40 U	10 U	40 U
Total BTEX (U = 0)	**10800**	**16726 J**	**14694**	**11249.5**	**8216 J**	**11241**	**28779**	**67293**	**49218 J**
Total VOC (U = 0)	**11069 J**	**16987 J**	**14950 J**	**11474.5 J**	**8433 J**	**11395.7**	**28911 J**	**67561.4**	**49458 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**530**	**671**	**823**	**648**	**661**	**591**	**762**	**678**	**635**
2-Methylnaphthalene	**741**	**940**	**1110**	**872**	**855**	**903**	**1220**	**1030**	**1030**
Acenaphthene	**223**	**225**	**275**	**242**	**223**	**321**	**397**	**332**	**295**
Acenaphthylene	11.2 U	14.2 U	**24.3**	29.5 U	40 U	**51.7**	**27 J**	**25.6**	**24.2**
Anthracene	**7.12 J**	**8.83**	**9**	**6.99 J**	40 U	**29.7 J**	**25.2 J**	**23**	**20.6**
Benzo(a)anthracene	5.58 U	**1.14 J**	2.02 U	3.94 U	20 U	16.1 U	17.3 U	**1.39 J**	**0.631 J**
Benzo(a)pyrene	5.58 U	**0.95 J**	2.02 U	3.94 U	20 U	**8.67 J**	17.3 U	**0.877**	**0.401**
Benzo(b)fluoranthene	5.58 U	**0.95 J**	2.02 U	3.94 U	20 U	16.1 U	17.3 U	**0.818 J**	**0.302 J**
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	11.2 U	3.8 U	4.04 U	7.88 U	40 U	32.3 U	34.5 U	**0.787 J**	0.68 U
Benzo(j,k)fluoranthene	5.58 U	1.9 U	2.02 U	3.94 U	20 U	--	--	--	**0.255 J**
Benzo(k)fluoranthene	--	--	--	--	--	16.1 U	17.3 U	**0.487 J**	--
Carbazole	**135**	**114**	**133**	**97**	**108**	**174**	**221**	**309**	**244**
Chrysene	5.58 U	**1.28 J**	2.02 U	3.94 U	20 U	16.1 U	17.3 U	**1.45 J**	**0.524**
Dibenzo(a,h)anthracene	5.58 U	1.9 U	2.02 U	3.94 U	20 U	16.1 U	17.3 U	0.693 U	0.34 U
Dibenzofuran	**17.6**	**18**	**21.2**	**18.6**	**24 J**	**23.6 J**	**28.3 J**	**19.3**	**17.7**
Fluoranthene	**12**	**16.2**	**14.8**	**13.2**	40 U	**30.4 J**	**22 J**	**16.9**	**12.8**
Fluorene	**58.1**	**62.4**	**73.2**	**54.1**	**60**	**117**	**118**	**89.5**	**82.7**
Indeno(1,2,3-c,d)pyrene	5.58 U	1.9 U	2.02 U	3.94 U	20 U	16.1 U	17.3 U	**0.82**	**0.229 J**
Naphthalene	**1780**	**1520**	**2080**	**1490**	**1120**	**9700**	**14900**	**19200**	**20100**
Phenanthrene	**90.3**	**85.3**	**99.5**	**88.9**	**98**	**194**	**190**	**155**	**124**

Table 1
Laboratory Testing Results

Location ID	MW-47F	MW-47F	MW-47F	MW-47F	MW-47F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-121321-06	GS-030822-04	GS-061622-13	GS-090722-07	GS-121422-07	GS-051718-05	GS-082218-01	GS-121218-04	GS-031119-02
Sample Date	12/13/2021	3/8/2022	6/16/2022	9/7/2022	12/14/2022	5/17/2018	8/22/2018	12/12/2018	3/11/2019
Depth	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	22 - 33 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft
Sample Type	FD	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623719.23	7623719.23	7623719.23	7623719.23	7623719.23	7623850.06	7623850.06	7623850.06	7623850.06
Y	705298.71	705298.71	705298.71	705298.71	705298.71	705158.82	705158.82	705158.82	705158.82
Pyrene	12.4	16.9	14.8	13.5	40 U	33.7	25.2 J	16.8	12.4
Total PAH (17) (U = 0)	2923.92 J	2878.95 J	3700.6	2780.69 J	2356	11389.17 J	16924.4 J	20895.429 J	21704.042 J
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-061219-01	GS-071019-01	GS-090919-01	GS-121719-05	GS-031220-43	GS-060920-02	GS-092220-01	GS-121020-14	GS-030421-06
Sample Date	6/12/2019	7/10/2019	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020	3/4/2021
Depth	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82
Conventional Parameters (mg/L)									
Cyanide	**0.65 J**	--	**0.642**	**0.678**	**0.631**	**0.617**	**0.627**	**0.645**	**0.663**
Cyanide, available	**0.00344**	--	**0.00129 J**	0.002 U	**0.00358**	**0.00188 J**	**0.0035**	**0.00208**	**0.00218**
Cyanide, free	0.005 U	--	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	--	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Antimony	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**3.76**	--	**4.62**	**4.87**	**4.74**	**5.59**	**4.14**	**5.78**	**4.16**
Barium	**175**	--	**164**	**86.7**	**159**	**71**	**164**	**76.3**	**135**
Beryllium	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	1 U	--	**0.72 J**	1 U	2 U	2 U	2 U	2 U	2 U
Iron	**44500**	--	**42900**	**27300**	**41900**	**30800**	**38500**	**31200**	**31200**
Lead	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.109 J**
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**7720**	--	**8630**	**4260**	**7610**	**3180**	**7510**	**3260**	**7020**
Mercury	0.08 U	--	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**1.05**	--	**1.36**	**0.696 J**	**2.01**	2 U	**1.02 J**	2 U	**1.01 J**
Potassium	--	--	--	--	**3940**	--	--	--	--
Selenium	**1.07**	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**1.82**	--	**1.74**	**1.87**	**1.48 J**	**1.77 J**	2 U	**1.56 J**	2 U
Zinc	**2.87 J**	--	**2.7 J**	4 U	**5.44**	**3.49 J**	**2.55 J**	4 U	**3.83 J**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	8 U	0.4 U	8 U	40 U	40 U	40 U	2 U	40 U	20 U
1,1,1-Trichloroethane	8 U	0.4 U	8 U	40 U	40 U	40 U	2 U	40 U	20 U
1,1,2,2-Tetrachloroethane	0.4 U	0.5 U	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.4 U	0.5 U	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U
1,1-Dichloroethane	0.4 U	0.4 U	8 U	40 U	40 U	40 U	2 U	40 U	20 U
1,1-Dichloroethene	0.4 U	0.4 U	0.5 U	0.5 U	40 U	40 U	2 U	40 U	20 U
1,1-Dichloropropene	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
1,2,3-Trichlorobenzene	40 U	2 U	40 U	200 U	200 U	200 U	10 U	200 U	100 U
1,2,3-Trichloropropane	2 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	40 U	2 U	40 U	200 U	200 U	200 U	10 U	200 U	100 U
1,2,4-Trimethylbenzene	**16.4**	**11.3 J**	**18.2 J**	**112**	100 U	**92 J**	**12.1**	**68.4 J**	50 U
1,2-Dibromo-3-chloropropane	4 U	5 U	100 U	500 U	500 U	500 U	25 U	500 U	250 U

Table 1
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-061219-01	GS-071019-01	GS-090919-01	GS-121719-05	GS-031220-43	GS-060920-02	GS-092220-01	GS-121020-14	GS-030421-06
Sample Date	6/12/2019	7/10/2019	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020	3/4/2021
Depth	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82
1,2-Dichlorobenzene	10 U	0.5 U	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U
1,2-Dichloroethane	0.4 U	0.4 U	8 U	40 U	40 U	40 U	2 U	40 U	20 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.5 U	0.5 U	40 U	40 U	2 U	40 U	20 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.5 U	0.5 U	40 U	40 U	2 U	40 U	20 U
1,2-Dichloropropane	0.4 U	0.5 U	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U
1,3,5-Trimethylbenzene (Mesitylene)	**4.36**	5 U	20 U	100 U	100 U	100 U	**2.66 J**	100 U	50 U
1,3-Dichlorobenzene	10 U	0.5 U	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U
1,3-Dichloropropane	20 U	1 U	20 U	100 U	100 U	200 U	5 U	100 U	50 U
1,3-Dichloropropene, cis-	0.4 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
1,3-Dichloropropene, trans-	0.4 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	10 U	0.5 U	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U
2,2-Dichloropropane	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
2-Hexanone (Methyl butyl ketone)	200 U	10 U	200 U	1000 U	1000 U	1000 U	50 U	1000 U	500 U
4-Chlorotoluene	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 U	10 U	200 U	1000 U	1000 U	1000 U	50 U	1000 U	500 U
Acetone	400 U	20 U	400 U	2000 U	2000 U	2000 U	100 U	2000 U	1000 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	40 U	2 U	40 U	200 U	200 U	200 U	10 U	200 U	100 U
Benzene	**3240**	**2530**	**3030 J**	**28500**	**4240**	**30700**	**1220**	**38900**	**2720**
Bromobenzene	10 U	0.5 U	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U
Bromochloromethane	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
Bromodichloromethane	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
Bromoform (Tribromomethane)	80 U	1 U	20 U	100 U	100 U	100 U	5 U	200 U	50 U
Bromomethane (Methyl bromide)	100 UJ	5 U	100 U	500 U	500 U	500 U	25 U	500 U	250 UJ
Carbon disulfide	200 U	10 U	200 U	1000 U	1000 U	1000 U	50 U	1000 U	500 U
Carbon tetrachloride (Tetrachloromethane)	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
Chlorobenzene	10 U	0.5 U	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U
Chloroethane	100 U	5 U	100 UJ	500 U	500 U	500 U	25 U	500 U	250 U
Chloroform	2 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
Chloromethane	100 U	5 U	100 U	500 U	500 U	500 U	25 U	500 U	250 U
Cymene, p- (4-Isopropyltoluene)	20 U	**0.566 J**	20 U	100 U	100 U	100 U	5 U	100 U	50 U
Dibromochloromethane	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
Dibromomethane	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
Dichlorodifluoromethane	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
Dichloromethane (Methylene chloride)	60 U	3 U	100 U	500 U	1000 U	1000 U	50 U	1000 U	500 U
Ethylbenzene	**81.6**	**64.7**	**76.4**	**506**	**112**	**650**	**33.7**	**627**	**75**
Ethylene dibromide (1,2-Dibromoethane)	0.4 U	0.5 U	10 U	50 U	50 U	50 U	2.5 U	100 U	25 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	100 U	5 U	100 U	500 U	500 U	500 U	25 U	500 U	250 U
Isopropylbenzene (Cumene)	20 U	**4.06**	20 U	100 U	100 U	100 U	**3.6 J**	100 U	50 U

Table 1
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-061219-01	GS-071019-01	GS-090919-01	GS-121719-05	GS-031220-43	GS-060920-02	GS-092220-01	GS-121020-14	GS-030421-06
Sample Date	6/12/2019	7/10/2019	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020	3/4/2021
Depth	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82
m,p-Xylene	**64.9**	**45**	**72.3**	**525**	**73.8 J**	**544**	**25.9**	**517**	**52**
Methyl ethyl ketone (2-Butanone)	200 U	10 U	200 U	1000 U	1000 U	1000 U	50 U	1000 U	500 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	0.4 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
n-Propylbenzene	10 U	**1.14**	10 U	50 U	50 U	50 U	2.5 U	50 U	25 U
o-Xylene	**36.8**	**26**	**38**	**250**	**36.5 J**	**230**	**21.1**	**246**	**35.5**
sec-Butylbenzene	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
Styrene	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
tert-Butylbenzene	20 U	1 U	20 U	100 U	100 U	100 U	5 U	100 U	50 U
Tetrachloroethene (PCE)	0.4 U	0.4 U	8 U	40 U	40 U	40 U	2 U	40 U	20 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**187**	**154**	**184**	**2810**	**305**	**4180**	**35.3**	**4720**	**75.5**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.5 U	0.5 U	40 U	40 U	2 U	40 U	20 U
Trichlorofluoromethane (Fluorotrichloromethane)	40 U	2 U	40 U	200 U	200 U	200 U	10 U	200 U	100 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.5 U	0.5 U	40 U	40 U	2 U	40 U	20 U
Total BTEX (U = 0)	**3610.3**	**2819.7**	**3400.7 J**	**32591**	**4767.3 J**	**36304**	**1336**	**45010**	**2958**
Total VOC (U = 0)	**3631.06 J**	**2836.766 J**	**3418.9 J**	**32703**	**4767.3 J**	**36396 J**	**1354.36 J**	**45078.4 J**	**2958 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**88**	--	**84.3**	**374**	**136**	**521**	**85**	**296**	**83.1**
2-Methylnaphthalene	**110**	--	**98**	**571**	**163**	**802**	**72.5**	**464**	**74.4**
Acenaphthene	**66.1**	--	**76.9**	**251**	**105**	**277**	**70.6**	**171**	**63**
Acenaphthylene	13.8 U	--	**6.42 J**	**13.9**	32.1 U	16.2 U	**9.21**	**14.7 J**	**8.22**
Anthracene	13.8 U	--	**5.2 J**	**13.4**	32.1 U	**18.5**	**4.74**	**11.8 J**	**4.1**
Benzo(a)anthracene	6.92 U	--	**0.447**	**1.18**	16 U	**1.26**	1.61 U	7.62 U	0.793 U
Benzo(a)pyrene	6.92 U	--	**0.258 J**	**0.809**	16 U	**0.908**	1.61 U	7.62 U	0.793 U
Benzo(b)fluoranthene	6.92 U	--	**0.213 J**	**0.585**	16 U	**0.567 J**	1.61 U	7.62 U	0.793 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	13.8 U	--	0.68 U	**0.423 J**	32.1 U	**0.811 J**	3.22 U	15.2 U	1.59 U
Benzo(j,k)fluoranthene	6.92 U	--	**0.179 J**	**0.339**	16 U	0.648 U	1.61 U	7.62 U	0.793 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	**23.4**	--	**34.9**	**115**	**34.9**	**188**	**32.1**	**166**	**33.1**
Chrysene	6.92 U	--	**0.244 J**	**0.773**	16 U	**0.956**	1.61 U	7.62 U	0.793 U
Dibenzo(a,h)anthracene	6.92 U	--	0.34 U	0.319 U	16 U	0.648 U	1.61 U	7.62 U	0.793 U
Dibenzofuran	13.8 U	--	**5.23**	**12.2**	32.1 U	**13.8**	**6.63**	**9.14 J**	**5.77**
Fluoranthene	**7.25 J**	--	**3.14**	**7.23**	32.1 U	**11.8**	**1.97 J**	15.2 U	**1.43 J**
Fluorene	**16.3**	--	**18**	**53**	**26.7 J**	**64.5**	**16.2**	**38.5**	**13.6**
Indeno(1,2,3-c,d)pyrene	6.92 U	--	0.34 U	**0.456**	16 U	0.648 U	1.61 U	7.62 U	0.793 U
Naphthalene	**1660**	--	**1870**	**9640**	**2850**	**14100**	**903**	**9600**	**1390**
Phenanthrene	**27.4 J**	--	**19.2**	**80**	**58.3 J**	**103**	**11.2**	**59.6**	**12**

Table 1
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F
sys_sample_code	GS-061219-01	GS-071019-01	GS-090919-01	GS-121719-05	GS-031220-43	GS-060920-02	GS-092220-01	GS-121020-14	GS-030421-06
Sample Date	6/12/2019	7/10/2019	9/9/2019	12/17/2019	3/12/2020	6/9/2020	9/22/2020	12/10/2020	3/4/2021
Depth	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82
Pyrene	**8.43 J**	--	**3.27**	**7.53**	32.1 U	**12.9**	**2.21 J**	**8 J**	**1.49 J**
Total PAH (17) (U = 0)	**1895.48 J**	--	**2101.471 J**	**10641.625 J**	**3203 J**	**15394.202 J**	**1091.63 J**	**10367.6 J**	**1568.24 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-49F	MW-49F
sys_sample_code	GS-060721-01	GS-090221-12	GS-121321-03	GS-030822-05	GS-061622-12	GS-090722-05	GS-121422-04	GS-051718-01	GS-051718-02
Sample Date	6/7/2021	9/2/2021	12/13/2021	3/8/2022	6/16/2022	9/7/2022	12/14/2022	5/17/2018	5/17/2018
Depth	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	19 - 29 ft	19 - 29 ft
Sample Type	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623476.81	7623476.81
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705461.64	705461.64
Conventional Parameters (mg/L)									
Cyanide	**0.709**	**0.784 J**	**0.387**	**0.831 J**	**0.493**	**0.651**	**0.453**	**0.106**	**0.101**
Cyanide, available	**0.00489**	0.002 U	**0.00268 J**	**0.00982**	**0.00878**	**0.00189 J**	0.002 U	0.002 U	0.002 U
Cyanide, free	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	**0.0133**	**0.0132**
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	50 U	88.8 U	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**4.61**	**5.27**	**6.19**	**6.58**	**5.2**	**5.88**	**6.59**	**12.7**	**12.7**
Barium	**143**	**155**	**70.9**	**135**	**83.9**	**149**	**101**	**88.2**	**87.5**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	**74300**	--	--	--	--	--	--	--
Chromium	2 U	--	2 U	2 U	2 U	2 U	2 U	**0.567 J**	1 U
Cobalt	--	**12.4**	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U	**0.5 J**	1 U
Iron	**39000**	**42000**	**39000**	**39100**	**25500**	**38400**	**32800**	**93400**	**100000**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**5480**	**6110**	**1940**	**5490**	**3290**	**5520**	**3380**	**4560**	**4900**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	2 U	2 U	2 U	**1.75 J**	2 U	2 U	**1.06 J**	**6.08**	**5.22**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**1.52 J**	**1.57 J**	**1.17 J**	**1.55 J**	**1.78 J**	**1.09 J**	2 U	**0.989 J**	**0.756 J**
Zinc	4 U	**2.04 J**	4 U	**7.31**	**2.01 J**	4 UJ	**2.29 J**	**7.29**	**8.08**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	40 U	8 U	40 U	40 U	20 U	4 U	80 U	4 U	4 U
1,1,1-Trichloroethane	40 U	8 U	40 U	40 U	20 U	4 U	80 U	4 U	4 U
1,1,2,2-Tetrachloroethane	50 U	10 U	50 U	50 U	25 U	5 U	100 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	50 U	10 U	50 U	50 U	25 U	5 U	100 U	0.2 U	0.2 U
1,1-Dichloroethane	40 U	8 U	40 U	40 U	20 U	4 U	80 U	0.2 U	**0.101 J**
1,1-Dichloroethene	0.5 U	0.4 U	40 U	0.4 U	20 U	0.2 U	80 U	0.2 U	0.2 U
1,1-Dichloropropene	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
1,2,3-Trichlorobenzene	200 U	40 U	200 U	200 U	100 U	20 U	400 U	20 U	20 U
1,2,3-Trichloropropane	100 U	20 U	100 U	100 U	50 U	10 U	200 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	200 U	40 U	200 U	200 U	100 U	20 U	400 U	20 U	20 U
1,2,4-Trimethylbenzene	100 U	**15.4 J**	**111**	100 U	**59**	**10.3**	**100 J**	**13.3**	**14.2**
1,2-Dibromo-3-chloropropane	500 U	100 U	500 U	500 U	250 U	50 U	1000 U	2 U	2 U

Table 1
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-49F	MW-49F
sys_sample_code	GS-060721-01	GS-090221-12	GS-121321-03	GS-030822-05	GS-061622-12	GS-090722-05	GS-121422-04	GS-051718-01	GS-051718-02
Sample Date	6/7/2021	9/2/2021	12/13/2021	3/8/2022	6/16/2022	9/7/2022	12/14/2022	5/17/2018	5/17/2018
Depth	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	19 - 29 ft	19 - 29 ft
Sample Type	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623476.81	7623476.81
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705461.64	705461.64
1,2-Dichlorobenzene	50 U	10 U	50 U	50 U	25 U	5 U	100 U	5 U	5 U
1,2-Dichloroethane	40 U	8 U	40 U	40 U	20 U	4 U	80 U	0.2 U	0.2 U
1,2-Dichloroethene, cis-	0.5 U	0.4 U	40 U	0.4 U	20 U	0.2 U	80 U	**0.132 J**	**0.136 J**
1,2-Dichloroethene, trans-	0.5 U	0.4 U	40 U	0.4 U	20 U	0.2 U	80 U	0.2 U	0.2 U
1,2-Dichloropropane	50 U	10 U	50 U	50 U	25 U	5 U	100 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	100 U	20 U	100 U	100 U	50 U	10 U	200 U	**3.12**	**3.32**
1,3-Dichlorobenzene	50 U	10 U	50 U	50 U	25 U	5 U	100 U	5 U	5 U
1,3-Dichloropropane	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
1,3-Dichloropropene, cis-	100 U	20 U	100 U	100 U	50 U	10 U	200 U	0.2 U	0.2 U
1,3-Dichloropropene, trans-	100 U	40 U	100 U	100 U	50 U	10 U	200 U	0.2 U	0.2 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	50 U	10 U	50 U	50 U	25 U	5 U	100 U	5 U	5 U
2,2-Dichloropropane	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
2-Hexanone (Methyl butyl ketone)	1000 U	200 U	1000 U	1000 U	500 U	100 U	2000 U	100 U	100 U
4-Chlorotoluene	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1000 U	200 U	1000 U	1000 U	500 U	100 U	2000 U	100 U	100 U
Acetone	2000 U	400 U	2000 U	2000 U	1000 U	200 U	4000 U	200 U	200 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	200 U	40 U	200 U	200 U	100 U	20 U	400 U	20 U	20 U
Benzene	**3730**	**2150**	**42800**	**5960 J**	**24200**	**1230**	**30000**	**1450**	**1300**
Bromobenzene	50 U	10 U	50 U	50 U	25 U	5 U	100 U	5 U	5 U
Bromochloromethane	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
Bromodichloromethane	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
Bromoform (Tribromomethane)	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
Bromomethane (Methyl bromide)	500 UJ	100 U	500 U	500 UJ	250 U	50 UJ	1000 U	50 U	50 U
Carbon disulfide	1000 U	200 U	1000 U	1000 U	500 U	100 U	2000 U	100 U	100 U
Carbon tetrachloride (Tetrachloromethane)	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
Chlorobenzene	50 U	10 U	50 U	50 U	25 U	5 U	100 U	5 U	5 U
Chloroethane	500 U	100 U	500 U	500 U	250 U	50 U	1000 U	50 U	50 U
Chloroform	100 U	20 U	100 U	100 U	50 U	10 U	200 U	1 U	1 U
Chloromethane	500 U	100 U	500 U	500 U	250 U	50 U	1000 U	50 U	50 U
Cymene, p- (4-Isopropyltoluene)	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
Dibromochloromethane	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
Dibromomethane	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
Dichlorodifluoromethane	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
Dichloromethane (Methylene chloride)	1000 U	200 U	1000 U	1000 U	500 U	100 U	2000 U	30 U	30 U
Ethylbenzene	**102**	**52.2**	**1020**	**166**	**376**	**25.3**	**530**	**111**	**102**
Ethylene dibromide (1,2-Dibromoethane)	50 U	10 U	50 U	50 U	25 U	5 U	100 U	0.2 U	0.2 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	500 U	100 U	500 U	500 U	250 U	50 U	1000 U	50 U	50 U
Isopropylbenzene (Cumene)	100 U	20 U	100 U	**53 J**	50 U	10 U	200 U	**19**	**20.1**

Table 1
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-49F	MW-49F
sys_sample_code	GS-060721-01	GS-090221-12	GS-121321-03	GS-030822-05	GS-061622-12	GS-090722-05	GS-121422-04	GS-051718-01	GS-051718-02
Sample Date	6/7/2021	9/2/2021	12/13/2021	3/8/2022	6/16/2022	9/7/2022	12/14/2022	5/17/2018	5/17/2018
Depth	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	19 - 29 ft	19 - 29 ft
Sample Type	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623476.81	7623476.81
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705461.64	705461.64
m,p-Xylene	**101**	**37.4**	**804**	**138**	**346**	**16.9**	**422**	**11.4**	**12**
Methyl ethyl ketone (2-Butanone)	1000 U	200 U	1000 U	1000 U	500 U	100 U	2000 U	100 U	100 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	100 U	20 U	100 U	100 U	50 U	10 U	200 U	0.2 U	0.2 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
n-Propylbenzene	50 U	10 U	50 U	50 U	25 U	5 U	100 U	**6.79**	**6.32**
o-Xylene	**48 J**	**30.8**	**357**	**72**	**146**	**15.4**	**174**	**17.3**	**18.6**
sec-Butylbenzene	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
Styrene	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
tert-Butylbenzene	100 U	20 U	100 U	100 U	50 U	10 U	200 U	10 U	10 U
Tetrachloroethene (PCE)	40 U	8 U	40 U	40 U	20 U	4 U	80 U	0.2 U	0.2 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**198**	**26.3**	**6160**	**331**	**1340**	**13**	**4080**	**3.62**	**3.87**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.5 U	0.4 U	40 U	0.4 U	20 U	0.2 U	80 U	0.2 U	0.2 U
Trichlorofluoromethane (Fluorotrichloromethane)	200 U	40 U	200 U	200 U	100 U	20 U	400 U	20 U	20 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.5 U	0.4 U	40 U	0.4 U	20 U	0.2 U	80 U	0.2 U	0.2 U
Total BTEX (U = 0)	**4179 J**	**2296.7**	**51141**	**6667 J**	**26408**	**1300.6**	**35206**	**1593.32**	**1436.47**
Total VOC (U = 0)	**4179 J**	**2312.1 J**	**51252**	**6720 J**	**26467**	**1310.9 J**	**35306 J**	**1635.662 J**	**1480.647 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**130**	**67.9**	**237**	**132**	**323**	**58.4**	**292**	**724**	**684**
2-Methylnaphthalene	**165**	**58.2**	**384**	**174**	**491**	**51.5**	**432**	**444**	**417**
Acenaphthene	**111**	**71.1**	**218**	**107**	**231**	**70.3**	**198**	**346**	**347**
Acenaphthylene	**9.83**	**8.04**	82.2 U	**11.1**	**25.1**	**13.8**	51.6 U	3.84 U	4 U
Anthracene	**6.08 J**	**4.22**	82.2 U	**5.01**	**12.1**	**3.09 J**	36.7 U	**12.1**	**12**
Benzo(a)anthracene	3.58 U	1.98 U	41.1 U	1.97 U	1.84 U	1.87 U	18.3 U	0.0879 U	0.082 U
Benzo(a)pyrene	3.58 U	1.98 U	41.1 U	1.97 U	1.84 U	1.87 U	18.3 U	0.0879 U	0.082 U
Benzo(b)fluoranthene	3.58 U	1.98 U	41.1 U	1.97 U	1.84 U	1.87 U	18.3 U	0.0879 U	0.082 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	7.15 U	3.97 U	82.2 U	3.93 U	3.68 U	3.74 U	36.7 U	0.176 U	0.164 U
Benzo(j,k)fluoranthene	3.58 U	1.98 U	41.1 U	1.97 U	1.84 U	1.87 U	18.3 U	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	0.0879 U	0.082 U
Carbazole	**37.4**	**26.3**	**218**	**43.9**	**82.4**	**20.4**	**106**	**399**	**412**
Chrysene	3.58 U	1.98 U	41.1 U	1.97 U	1.84 U	1.87 U	18.3 U	0.0879 U	0.082 U
Dibenzo(a,h)anthracene	3.58 U	1.98 U	41.1 U	**8.01 J**	1.84 U	1.87 U	18.3 U	0.0879 U	0.082 U
Dibenzofuran	**8.05**	**6.45**	82.2 U	**7.96**	**14**	**7.4**	36.7 U	**17.3**	**16.9**
Fluoranthene	7.15 U	3.97 U	82.2 U	**2.36 J**	**6.34**	3.74 U	36.7 U	**4.09**	**4.3**
Fluorene	**24.2**	**13.7**	**46.3 J**	**23.6**	**54.6**	**13**	**50.9**	**105**	**105**
Indeno(1,2,3-c,d)pyrene	3.58 U	1.98 U	41.1 U	1.97 U	1.84 U	1.87 U	18.3 U	0.0879 U	0.082 U
Naphthalene	**2750**	**1060**	**12900**	**2340**	**5790**	**664**	**7620**	**72.7**	**78**
Phenanthrene	**26.9**	**11.2**	164 U	**21.5**	**69.8**	**12.7**	**84.3**	**136**	**131**

Table 1
Laboratory Testing Results

Location ID	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-48F	MW-49F	MW-49F
sys_sample_code	GS-060721-01	GS-090221-12	GS-121321-03	GS-030822-05	GS-061622-12	GS-090722-05	GS-121422-04	GS-051718-01	GS-051718-02
Sample Date	6/7/2021	9/2/2021	12/13/2021	3/8/2022	6/16/2022	9/7/2022	12/14/2022	5/17/2018	5/17/2018
Depth	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	15.6 - 25.6 ft	19 - 29 ft	19 - 29 ft
Sample Type	N	N	N	N	N	N	N	N	FD
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623850.06	7623476.81	7623476.81
Y	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705158.82	705461.64	705461.64
Pyrene	7.15 U	3.97 U	82.2 U	**2.26 J**	**6.76**	3.74 U	36.7 U	**3.37**	**3.66**
Total PAH (17) (U = 0)	**3093.01 J**	**1226.46**	**13548.3 J**	**2694.84 J**	**6686.7**	**828.39 J**	**8385.2**	**1123.26**	**1097.96**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-082218-04	GS-121218-05	GS-031119-05	GS-061219-05	GS-071019-04	GS-071019-05	GS-090919-04	GS-090919-05	GS-121819-08
Sample Date	8/22/2018	12/12/2018	3/11/2019	6/12/2019	7/10/2019	7/10/2019	9/9/2019	9/9/2019	12/18/2019
Depth	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft
Sample Type	N	N	N	N	N	FD	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
Conventional Parameters (mg/L)									
Cyanide	**0.125**	**0.11**	**0.0296**	**0.0294**	--	--	**0.0364**	**0.0337**	**0.0436**
Cyanide, available	0.002 U	0.002 U	0.002 U	0.002 U	--	--	0.002 U	0.002 U	0.002 U
Cyanide, free	0.005 U	0.005 U	0.005 U	**0.0167**	--	--	0.005 UJ	0.005 UJ	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	50 U	--	--	50 U	50 U	50 U
Antimony	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U
Arsenic	**14.5**	**14.2**	**12**	**11.2**	--	--	**9.02**	**9.05**	**9.33**
Barium	**89.6**	**92.1**	**25.7**	**80.9**	--	--	**97.9**	**97.8**	**97.7**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	--	--	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	--	--	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	1 U	1 U	1 U	1 U	--	--	1 U	1 U	**0.591 J**
Iron	**88400**	**91400**	**24200**	**79900**	--	--	**107000**	**106000**	**96300**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	--	--	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**4120**	**4190**	**893**	**2900**	--	--	**4250**	**4140**	**3870**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	--	--	0.08 U	0.08 U	0.08 U
Nickel	**5.22**	**0.701 J**	**0.519 J**	1 U	--	--	1 U	1 U	1 UJ
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	--	--	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	--	--	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	--	--	0.2 U	0.2 U	0.2 U
Vanadium	**0.643 J**	**0.613 J**	**0.747 J**	1 U	--	--	1 U	1 U	1 U
Zinc	**3.87 J**	**2.96 J**	**3.14 J**	4 U	--	--	4 U	4 U	4 U
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	2 U	8 U	0.4 U	40 U	80 U	400 U	40 U	40 U	40 U
1,1,1-Trichloroethane	2 U	8 U	0.4 U	40 U	80 U	400 U	40 U	40 U	40 U
1,1,2,2-Tetrachloroethane	2.5 U	0.2 U	0.5 U	10 U	100 U	500 U	50 U	50 U	50 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	2.5 U	0.2 U	0.5 U	10 U	100 U	500 U	50 U	50 U	50 U
1,1-Dichloroethane	2 U	**0.229**	0.4 U	10 U	80 U	400 U	40 U	40 U	40 U
1,1-Dichloroethene	0.5 U	0.2 U	0.4 U	10 U	80 U	400 U	40 U	40 U	0.5 U
1,1-Dichloropropene	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
1,2,3-Trichlorobenzene	10 U	40 U	2 U	200 U	400 U	2000 U	200 U	200 U	200 U
1,2,3-Trichloropropane	5 U	1 U	1 U	50 U	200 U	1000 U	100 U	100 U	100 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	10 U	40 U	2 U	200 U	400 U	2000 U	200 U	200 U	200 U
1,2,4-Trimethylbenzene	**7.72**	**15.9**	**7.03**	**26.6 J**	200 U	1000 U	100 U	100 U	**61 J**
1,2-Dibromo-3-chloropropane	25 U	2 U	5 U	100 U	1000 U	5000 U	500 U	500 U	500 U

Table 1
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-082218-04	GS-121218-05	GS-031119-05	GS-061219-05	GS-071019-04	GS-071019-05	GS-090919-04	GS-090919-05	GS-121819-08
Sample Date	8/22/2018	12/12/2018	3/11/2019	6/12/2019	7/10/2019	7/10/2019	9/9/2019	9/9/2019	12/18/2019
Depth	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft
Sample Type	N	N	N	N	N	FD	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
1,2-Dichlorobenzene	2.5 U	10 U	0.5 U	50 U	100 U	500 U	50 U	50 U	50 U
1,2-Dichloroethane	2 U	0.2 U	0.4 U	10 U	80 U	400 U	40 U	40 U	40 U
1,2-Dichloroethene, cis-	0.5 U	**0.152 J**	0.4 U	10 U	80 U	400 U	40 U	40 U	0.5 U
1,2-Dichloroethene, trans-	0.5 U	0.2 U	0.4 U	10 U	80 U	400 U	40 U	40 U	0.5 U
1,2-Dichloropropane	2.5 U	0.2 U	0.5 U	10 U	100 U	500 U	50 U	50 U	50 U
1,3,5-Trimethylbenzene (Mesitylene)	5 U	**3.38**	**1.14**	50 U	200 U	1000 U	100 U	100 U	100 U
1,3-Dichlorobenzene	2.5 U	10 U	0.5 U	50 U	100 U	500 U	50 U	50 U	50 U
1,3-Dichloropropane	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
1,3-Dichloropropene, cis-	5 U	0.2 U	1 U	10 U	200 U	1000 U	100 U	100 U	100 U
1,3-Dichloropropene, trans-	5 U	0.2 U	1 U	10 U	200 U	1000 U	100 U	100 U	100 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	2.5 U	10 U	0.5 U	50 U	100 U	500 U	50 U	50 U	50 U
2,2-Dichloropropane	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
2-Hexanone (Methyl butyl ketone)	50 U	200 U	10 U	1000 U	2000 U	10000 U	1000 U	1000 U	1000 U
4-Chlorotoluene	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	50 U	200 U	10 U	1000 U	2000 U	10000 U	1000 U	1000 U	1000 U
Acetone	100 U	400 U	20 U	2000 U	4000 U	20000 UJ	2000 U	2000 U	2000 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	10 U	40 U	2 U	200 U	400 U	2000 U	200 U	200 U	200 U
Benzene	**643**	**1770**	**12.1**	**79300**	**62600**	**66400**	**72800**	**71200**	**56400**
Bromobenzene	2.5 U	10 U	0.5 U	50 U	100 U	500 U	50 U	50 U	50 U
Bromochloromethane	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
Bromodichloromethane	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
Bromoform (Tribromomethane)	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
Bromomethane (Methyl bromide)	25 UJ	100 U	5 U	500 U	1000 U	5000 UJ	500 U	500 U	500 U
Carbon disulfide	50 U	200 U	10 U	1000 U	2000 U	10000 U	1000 U	1000 U	1000 U
Carbon tetrachloride (Tetrachloromethane)	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
Chlorobenzene	2.5 U	10 U	0.5 U	50 U	100 U	500 U	50 U	50 U	50 U
Chloroethane	25 U	100 U	5 U	500 U	1000 U	5000 U	500 UJ	500 UJ	500 U
Chloroform	5 U	1 U	1 U	50 U	200 U	1000 U	100 U	100 U	100 U
Chloromethane	25 U	100 U	5 U	500 U	1000 U	5000 U	500 U	500 U	500 U
Cymene, p- (4-Isopropyltoluene)	5 U	20 U	**0.63 J**	100 U	200 U	1000 U	100 U	100 U	100 U
Dibromochloromethane	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
Dibromomethane	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	100 U	100 U
Dichlorodifluoromethane	5 U	20 U	1 U	100 U	200 U	1000 U	100 UJ	100 UJ	100 U
Dichloromethane (Methylene chloride)	15 U	60 U	3 U	300 U	600 U	3000 U	500 U	500 U	500 U
Ethylbenzene	**29.9**	**57.8**	**6.07**	**300**	**240**	500 U	**510**	**544**	**551**
Ethylene dibromide (1,2-Dibromoethane)	2.5 U	0.2 U	0.5 U	10 U	100 U	500 U	50 U	50 U	50 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	25 U	100 U	5 U	500 U	1000 U	5000 U	500 U	500 U	500 U
Isopropylbenzene (Cumene)	**24.8**	**28.8**	**26.1**	100 U	200 U	1000 U	100 U	100 U	100 U

Table 1
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-082218-04	GS-121218-05	GS-031119-05	GS-061219-05	GS-071019-04	GS-071019-05	GS-090919-04	GS-090919-05	GS-121819-08
Sample Date	8/22/2018	12/12/2018	3/11/2019	6/12/2019	7/10/2019	7/10/2019	9/9/2019	9/9/2019	12/18/2019
Depth	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft
Sample Type	N	N	N	N	N	FD	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
m,p-Xylene	**8.14**	**11.1**	**3.28**	**464**	**255**	1000 U	**801**	**884**	**273**
Methyl ethyl ketone (2-Butanone)	50 U	200 U	10 U	1000 U	2000 U	10000 U	1000 U	1000 U	1000 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	5 U	0.2 U	1 U	10 U	200 U	1000 U	100 U	100 U	100 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	5 U	20 U	**2.48**	100 U	200 U	1000 U	100 U	100 U	100 U
n-Propylbenzene	**9.62**	**11.4**	**12.4**	50 U	100 U	500 U	50 U	50 U	50 U
o-Xylene	**7.03**	**12.2**	**2.73**	**252**	**141**	500 U	**357**	**384**	**392**
sec-Butylbenzene	5 U	20 U	**3.94**	100 U	200 U	1000 U	100 U	100 U	100 U
Styrene	5 U	20 U	1 U	100 U	200 U	1000 U	100 U	**50.7 J**	100 U
tert-Butylbenzene	5 U	20 U	1.8 U	100 U	200 U	1000 U	100 U	100 U	100 U
Tetrachloroethene (PCE)	2 U	0.2 U	0.4 U	10 U	80 U	400 U	40 U	40 U	40 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	5 U	3 U	**0.54 J**	**6270**	**3550**	**3200**	**1450**	**1520**	**314**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.5 U	0.2 U	0.4 U	10 U	80 U	400 U	40 U	40 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	10 U	40 U	2 U	200 U	400 U	2000 U	200 U	200 U	200 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.5 U	0.2 U	0.4 U	10 U	80 U	400 U	40 U	40 U	0.5 U
Total BTEX (U = 0)	**688.07**	**1851.1**	**24.72 J**	**86586**	**66786**	**69600**	**75918**	**74532**	**57930**
Total VOC (U = 0)	**730.21 J**	**1910.961 J**	**78.44 J**	**86612.6 J**	**66786**	**69600 J**	**75918 J**	**74582.7 J**	**57991 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**652**	**704**	**440**	**570**	--	--	**623**	**637**	**594**
2-Methylnaphthalene	**145**	**132**	**4.25**	**35.3**	--	--	**4.62**	**4.46**	**11.6 J**
Acenaphthene	**311**	**325**	**194**	**171**	--	--	**208**	**207**	**171**
Acenaphthylene	**5.38**	**8.73**	2.36 U	8.61 U	--	--	**5.97**	**7.99**	**13.7**
Anthracene	**15.2**	**19.7**	**17.9**	**17.2**	--	--	**11**	**11.1**	**13.8**
Benzo(a)anthracene	1.65 U	0.641 U	**0.0382 J**	1.59 U	--	--	0.673 U	0.69 U	3.38 U
Benzo(a)pyrene	1.65 U	0.641 U	**0.0168 J**	1.59 U	--	--	0.673 U	0.69 U	3.38 U
Benzo(b)fluoranthene	1.65 U	0.641 U	**0.014 J**	1.59 U	--	--	0.673 U	0.69 U	3.38 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	3.3 U	1.28 U	**0.0246 J**	3.19 U	--	--	1.35 U	1.38 U	6.75 U
Benzo(j,k)fluoranthene	--	--	**0.0106 J**	1.59 U	--	--	0.673 U	0.69 U	3.38 U
Benzo(k)fluoranthene	1.65 U	0.641 U	--	--	--	--	--	--	--
Carbazole	**227**	**331**	**148**	**156**	--	--	**177**	**183**	**154**
Chrysene	1.65 U	0.641 U	**0.0295 J**	1.59 U	--	--	0.673 U	0.69 U	3.38 U
Dibenzo(a,h)anthracene	1.65 U	0.641 U	**0.0102 J**	1.59 U	--	--	0.673 U	0.69 U	3.38 U
Dibenzofuran	**18.8**	**20.5**	**13**	**16.2**	--	--	**13.2**	**14**	**17**
Fluoranthene	**5.6**	**6.93**	**6.82**	**9.2**	--	--	**6.75**	**6.98**	**8.12**
Fluorene	**86.3**	**96**	**61.4**	**69.9**	--	--	**49.5**	**54.8**	**60.9**
Indeno(1,2,3-c,d)pyrene	1.65 U	0.641 U	**0.0129 J**	1.59 U	--	--	0.673 U	0.69 U	3.38 U
Naphthalene	**7.49 J**	**36.1**	**1.77 J**	**20**	--	--	**504**	**468**	**2230**
Phenanthrene	**128**	**141**	**116**	**102**	--	--	**76.2**	**76.6**	**68**

Table 1
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-082218-04	GS-121218-05	GS-031119-05	GS-061219-05	GS-071019-04	GS-071019-05	GS-090919-04	GS-090919-05	GS-121819-08
Sample Date	8/22/2018	12/12/2018	3/11/2019	6/12/2019	7/10/2019	7/10/2019	9/9/2019	9/9/2019	12/18/2019
Depth	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft
Sample Type	N	N	N	N	N	FD	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
Pyrene	5.51	6.2	5.86	8.32	--	--	6.06	6.35	6.96
Total PAH (17) (U = 0)	709.48 J	771.66	408.1568 J	432.92	--	--	872.1	843.28	2584.08 J
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-031720-63	GS-031720-64	GS-060920-08	GS-092220-04	GS-092220-05	GS-121020-10	GS-030421-01	GS-060721-03	GS-090121-05
Sample Date	3/17/2020	3/17/2020	6/9/2020	9/22/2020	9/22/2020	12/10/2020	3/4/2021	6/7/2021	9/1/2021
Depth	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft
Sample Type	N	FD	N	N	FD	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
Conventional Parameters (mg/L)									
Cyanide	**0.054**	**0.0529**	**0.0479**	**0.0462**	**0.0391**	**0.0171**	**0.032**	**0.0226**	**0.0518 J**
Cyanide, available	0.002 U	0.002 U	**0.00113 J**	**0.00106 J**	0.002 U	**0.00121 J**	0.002 U	**0.00138 J**	0.002 U
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 UJ
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**9.65**	**9.49**	**9.34**	**9.27**	**9.47**	**9.84**	**6.64**	**8.51**	**8.99**
Barium	**95.2**	**93.4**	**86**	**75.5**	**75.3**	**311**	**48.4**	**51.8**	**99.6**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	2 U	2 U	**1.68 J**	2 U	2 U
Iron	**96000**	**94300**	**90300**	**74600**	**75000**	**304000**	**40800**	**53900**	**95500**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.159 J**	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**4130**	**4040**	**4460**	**4110**	**4080**	**18900**	**2250**	**2710**	**4160**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	**0.054 J**	0.08 U	0.08 U	0.08 U
Nickel	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Potassium	**4070**	**3930**	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	2 U	2 U	2 U	2 U	2 U	**1.16 J**	2 U	2 U	2 U
Zinc	4 U	4 U	4 U	**2.54 J**	4 U	**4**	**2.32 J**	4 U	**3.62 J**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	40 U	40 U	40 U	20 U	20 U	40 U	40 U	4 U	4 U
1,1,1-Trichloroethane	40 U	40 U	40 U	20 U	20 U	40 U	40 U	4 U	4 U
1,1,2,2-Tetrachloroethane	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U
1,1-Dichloroethane	40 U	40 U	40 U	20 U	20 U	40 U	40 U	4 U	4 U
1,1-Dichloroethene	40 U	40 U	40 U	20 U	20 U	40 U	40 U	0.5 U	0.4 U
1,1-Dichloropropene	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
1,2,3-Trichlorobenzene	200 U	200 U	200 U	100 U	100 U	200 U	200 U	20 U	20 U
1,2,3-Trichloropropane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	200 U	200 U	200 U	100 U	100 U	200 U	200 U	20 U	20 U
1,2,4-Trimethylbenzene	**58.1 J**	**53.8 J**	**87 J**	**126**	**128**	100 U	100 U	**13.2**	**19**
1,2-Dibromo-3-chloropropane	500 U	500 U	500 U	250 U	250 U	500 U	500 U	50 U	50 U

Table 1
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-031720-63	GS-031720-64	GS-060920-08	GS-092220-04	GS-092220-05	GS-121020-10	GS-030421-01	GS-060721-03	GS-090121-05
Sample Date	3/17/2020	3/17/2020	6/9/2020	9/22/2020	9/22/2020	12/10/2020	3/4/2021	6/7/2021	9/1/2021
Depth	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft
Sample Type	N	FD	N	N	FD	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
1,2-Dichlorobenzene	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U
1,2-Dichloroethane	40 U	40 U	40 U	20 U	20 U	40 U	40 U	4 U	4 U
1,2-Dichloroethene, cis-	40 U	40 U	40 U	20 U	20 U	40 U	40 U	0.5 U	0.4 U
1,2-Dichloroethene, trans-	40 U	40 U	40 U	20 U	20 U	40 U	40 U	0.5 U	0.4 U
1,2-Dichloropropane	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U
1,3,5-Trimethylbenzene (Mesitylene)	100 U	100 U	100 U	**32 J**	**31.7 J**	100 U	100 U	10 U	10 U
1,3-Dichlorobenzene	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U
1,3-Dichloropropane	100 U	100 U	200 U	50 U	50 U	100 U	100 U	10 U	10 U
1,3-Dichloropropene, cis-	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
1,3-Dichloropropene, trans-	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	20 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U
2,2-Dichloropropane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
2-Hexanone (Methyl butyl ketone)	1000 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U	100 U	100 U
4-Chlorotoluene	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1000 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U	100 U	100 U
Acetone	2000 U	2000 U	2000 U	1000 U	1000 U	2000 U	2000 U	200 U	200 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	200 U	200 U	200 U	100 U	100 U	200 U	200 U	20 U	20 U
Benzene	**85000**	**83100**	**90300**	**60300**	**59500**	**6780**	**5360**	**982**	**1250**
Bromobenzene	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U
Bromochloromethane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
Bromodichloromethane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
Bromoform (Tribromomethane)	100 U	100 U	100 U	50 U	50 U	200 U	100 U	10 U	10 U
Bromomethane (Methyl bromide)	500 U	500 U	500 U	250 U	250 U	500 U	500 UJ	50 U	50 U
Carbon disulfide	1000 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U	100 U	100 U
Carbon tetrachloride (Tetrachloromethane)	200 U	200 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
Chlorobenzene	50 U	50 U	50 U	25 U	25 U	50 U	50 U	5 U	5 U
Chloroethane	500 U	500 U	500 U	250 U	250 U	500 U	500 U	50 U	50 U
Chloroform	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
Chloromethane	500 U	500 U	500 U	250 U	250 U	500 U	500 U	50 U	50 U
Cymene, p- (4-Isopropyltoluene)	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
Dibromochloromethane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
Dibromomethane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
Dichlorodifluoromethane	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
Dichloromethane (Methylene chloride)	1000 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U	100 U	100 U
Ethylbenzene	**693**	**661**	**943**	**792**	**784**	**88.4**	**113**	**31.2**	**83.9**
Ethylene dibromide (1,2-Dibromoethane)	50 U	50 U	50 U	25 U	25 U	100 U	50 U	5 U	5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	500 U	500 U	500 U	250 U	250 U	500 U	500 U	50 U	50 U
Isopropylbenzene (Cumene)	100 U	100 U	100 U	**26.6 J**	**25.8 J**	100 U	100 U	**19.6**	**33.2**

Table 1
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-031720-63	GS-031720-64	GS-060920-08	GS-092220-04	GS-092220-05	GS-121020-10	GS-030421-01	GS-060721-03	GS-090121-05
Sample Date	3/17/2020	3/17/2020	6/9/2020	9/22/2020	9/22/2020	12/10/2020	3/4/2021	6/7/2021	9/1/2021
Depth	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft
Sample Type	N	FD	N	N	FD	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
m,p-Xylene	**298**	**281**	**394**	**465**	**465**	100 U	**55 J**	**15.6**	**27.8**
Methyl ethyl ketone (2-Butanone)	1000 U	1000 U	1000 U	500 U	500 U	1000 U	1000 U	100 U	100 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
n-Propylbenzene	50 U	50 U	50 U	25 U	**12.6 J**	50 U	50 U	**6.65**	**11.4**
o-Xylene	**424**	**413**	**542**	**537**	**535**	**38.1 J**	**53**	**22**	**35.5**
sec-Butylbenzene	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
Styrene	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
tert-Butylbenzene	100 U	100 U	100 U	50 U	50 U	100 U	100 U	10 U	10 U
Tetrachloroethene (PCE)	40 U	40 U	40 U	20 U	20 U	**66.7**	40 U	4 U	4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**375**	**357**	**496**	**934**	**914**	100 U	**55 J**	**8.19 J**	**7.57 J**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	40 U	40 U	40 U	20 U	20 U	40 U	40 U	0.5 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	200 U	200 U	200 U	100 U	100 U	200 U	200 U	20 U	20 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	40 U	40 U	40 U	20 U	20 U	40 U	40 U	0.5 U	0.4 U
Total BTEX (U = 0)	**86790**	**84812**	**92675**	**63028**	**62198**	**6906.5 J**	**5636 J**	**1058.99 J**	**1404.77 J**
Total VOC (U = 0)	**86848.1 J**	**84865.8 J**	**92762 J**	**63212.6 J**	**62396.1 J**	**6973.2 J**	**5636 J**	**1098.44 J**	**1468.37 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**481**	**467**	**655**	**445**	**499**	**328**	**193**	**245**	**391**
2-Methylnaphthalene	**11.5**	**11.2**	**10.3**	33.5 U	33.8 U	**46.2**	**48.1**	**53**	**29.6**
Acenaphthene	**172**	**174**	**201**	**134**	**147**	**91.6**	**81.6**	**116**	**159**
Acenaphthylene	13 U	**13.9**	23.9 U	18.3 U	21.1 U	7.8 U	4.31 U	4.84 U	8.72 U
Anthracene	**14.8**	**14.4**	**16.4**	**13 J**	**12.7 J**	**6.76**	**7.1**	**7.57**	**9.42**
Benzo(a)anthracene	1.6 U	1.61 U	0.637 U	8.37 U	8.44 U	1.04 U	0.69 U	0.352 U	1.99 U
Benzo(a)pyrene	1.6 U	1.61 U	0.637 U	8.37 U	8.44 U	1.04 U	0.69 U	0.352 U	1.99 U
Benzo(b)fluoranthene	1.6 U	1.61 U	0.637 U	8.37 U	8.44 U	1.04 U	0.69 U	0.352 U	1.99 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	3.21 U	3.22 U	1.27 U	16.7 U	16.9 U	2.08 U	1.38 U	0.705 U	3.99 U
Benzo(j,k)fluoranthene	1.6 U	1.61 U	0.637 U	8.37 U	8.44 U	1.04 U	0.69 U	0.352 U	1.99 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	**242**	**243**	**245**	**173**	**185**	**115**	**54.5**	**93.8**	**95.2**
Chrysene	**1.25 J**	**1.25 J**	0.637 U	8.37 U	8.44 U	1.04 U	0.69 U	0.352 U	1.99 U
Dibenzo(a,h)anthracene	1.6 U	1.61 U	0.637 U	8.37 U	8.44 U	1.04 U	0.69 U	0.352 U	1.99 U
Dibenzofuran	**18.4**	**19.3**	**19.7**	**15.3 J**	**17.1**	**8.76**	**6.71**	**9.02**	**11.5**
Fluoranthene	**7.86**	**8.02**	**7.28**	16.7 U	16.9 U	**3.41**	**2.9**	**3.85**	**4.94**
Fluorene	**73.5**	**77.3**	**84.5**	**59**	**65.4**	**40.3**	**38.6**	**40.6**	**52.1**
Indeno(1,2,3-c,d)pyrene	1.6 U	1.61 U	0.637 U	8.37 U	8.44 U	1.04 U	0.69 U	0.352 U	1.99 U
Naphthalene	**3140**	**3160**	**4970**	**3780**	**4210**	**572**	**616**	**135**	**172**
Phenanthrene	**76.5**	**76.5**	**86.8**	**73.7**	**82.7**	**56.1**	**54.4**	**50.8**	**72.3**

Table 1
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F
sys_sample_code	GS-031720-63	GS-031720-64	GS-060920-08	GS-092220-04	GS-092220-05	GS-121020-10	GS-030421-01	GS-060721-03	GS-090121-05
Sample Date	3/17/2020	3/17/2020	6/9/2020	9/22/2020	9/22/2020	12/10/2020	3/4/2021	6/7/2021	9/1/2021
Depth	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft
Sample Type	N	FD	N	N	FD	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64
Pyrene	**7.88**	**8.22**	**7.7**	16.7 U	16.9 U	**3.9**	**3.02**	**3.82**	**4.59**
Total PAH (17) (U = 0)	**3505.29 J**	**3544.79 J**	**5383.98**	**4059.7 J**	**4517.8 J**	**820.27**	**851.72**	**410.64**	**503.95**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-50F
sys_sample_code	GS-121321-02	GS-030822-02	GS-030822-03	GS-062022-15	GS-090722-03	GS-090722-04	GS-101722-137	GS-121422-01	GS-010421-01
Sample Date	12/13/2021	3/8/2022	3/8/2022	6/20/2022	9/7/2022	9/7/2022	10/17/2022	12/14/2022	1/4/2021
Depth	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	14.1 - 23.8 ft
Sample Type	N	N	FD	N	N	FD	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623318.6344
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705313.8202
Conventional Parameters (mg/L)									
Cyanide	**0.0696**	**0.0326**	**0.0329**	**0.057**	**0.114**	**0.114**	--	**0.0864**	**0.0225**
Cyanide, available	0.002 UJ	**0.00126 J**	0.002 U	0.002 U	0.002 U	0.002 U	--	0.002 U	**0.00109 J**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	--	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	**129**	**128**	**43.8 J**	50 U	50 U	--	50 U	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Arsenic	**8.34**	**0.808 J**	**0.872 J**	**3.54**	**6.75**	**6.78**	--	**6.97**	**2.35**
Barium	**430**	**112**	**120**	**257**	**46**	**45.6**	--	**112**	**33.3**
Beryllium	0.2 U	**0.788**	**0.867**	**0.151 J**	0.2 U	0.2 U	--	0.2 U	0.2 U
Cadmium	0.2 U	**0.259**	**0.253**	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	2 U	**7.6**	**4.15**	**10.7**	**4.45**	**3.87**	--	**1.03 J**	1 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	**1.48 J**	**1.4 J**	**1.03 J**	2 UJ	**1.61 J**	--	2 U	**1.65 J**
Iron	**299000**	**11400**	**12900**	**98400**	**28300**	**28000**	--	**56200**	**8530**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 UJ	--	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**14700**	**7950**	**8620**	**6560**	**1210**	**1200**	--	**2620**	**2120**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	--	0.08 U	0.08 U
Nickel	2 U	**185**	**194**	**37.1**	**7.39**	**6.37**	--	**3.91**	**8.59**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	--	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U
Vanadium	2 U	2 U	2 U	2 U	**2.27**	**2.4**	--	2 U	**1.18 J**
Zinc	**4.25**	**43.2**	**45.8**	**9.1**	4 U	4 U	--	**2.06 J**	**28**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	2 U	0.4 U	0.4 U	4 U	2 U	2 U	--	2 U	20 U
1,1,1-Trichloroethane	2 U	0.4 U	0.4 U	4 U	2 U	2 U	--	2 U	20 U
1,1,2,2-Tetrachloroethane	2.5 U	0.5 U	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	25 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	2.5 U	0.5 U	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	25 U
1,1-Dichloroethane	2 U	0.4 U	0.4 U	4 U	2 U	2 U	--	2 U	20 U
1,1-Dichloroethene	0.4 U	0.4 U	0.4 U	0.2 U	0.1 U	0.1 U	--	0.5 U	50 U
1,1-Dichloropropene	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
1,2,3-Trichlorobenzene	10 U	2 U	2 U	20 U	10 U	10 U	--	10 U	100 U
1,2,3-Trichloropropane	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	10 U	2 U	2 U	20 U	10 U	10 U	--	10 U	100 U
1,2,4-Trimethylbenzene	**14.6**	**7.23**	**8.88**	**14.1**	**12.8**	**12.8**	--	**13**	**52.5**
1,2-Dibromo-3-chloropropane	25 U	5 U	5 U	50 U	25 U	25 U	--	25 U	250 U

Table 1
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-50F
sys_sample_code	GS-121321-02	GS-030822-02	GS-030822-03	GS-062022-15	GS-090722-03	GS-090722-04	GS-101722-137	GS-121422-01	GS-010421-01
Sample Date	12/13/2021	3/8/2022	3/8/2022	6/20/2022	9/7/2022	9/7/2022	10/17/2022	12/14/2022	1/4/2021
Depth	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	14.1 - 23.8 ft
Sample Type	N	N	FD	N	N	FD	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623318.6344
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705313.8202
1,2-Dichlorobenzene	2.5 U	0.5 U	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	25 U
1,2-Dichloroethane	2 U	0.4 U	0.4 U	4 U	2 U	2 U	--	2 U	20 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.4 U	0.2 U	0.1 U	0.1 U	--	0.675 U	20 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.4 U	0.2 U	0.1 U	0.1 U	--	0.5 U	20 U
1,2-Dichloropropane	2.5 U	0.5 U	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	25 U
1,3,5-Trimethylbenzene (Mesitylene)	**3.9 J**	**1.36**	**1.72**	10 U	**3.3 J**	**3.2 J**	--	**2.7 J**	50 U
1,3-Dichlorobenzene	2.5 U	0.5 U	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	25 U
1,3-Dichloropropane	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
1,3-Dichloropropene, cis-	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
1,3-Dichloropropene, trans-	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	2.5 U	0.5 U	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	25 U
2,2-Dichloropropane	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
2-Hexanone (Methyl butyl ketone)	50 U	10 U	10 U	100 U	50 U	50 U	--	50 U	500 U
4-Chlorotoluene	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	50 U	10 U	10 U	100 U	50 U	50 U	--	50 U	500 U
Acetone	100 U	20 U	20 U	200 U	100 U	100 U	--	100 U	1000 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	10 U	2 U	2 U	20 U	10 U	10 U	--	10 U	100 U
Benzene	**420**	**200**	**188**	**231**	**110**	**103**	--	**36.6**	**826**
Bromobenzene	2.5 U	0.5 U	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	25 U
Bromochloromethane	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
Bromodichloromethane	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
Bromoform (Tribromomethane)	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 UJ
Bromomethane (Methyl bromide)	25 U	5 UJ	5 U	50 U	25 UJ	25 UJ	--	25 U	250 UJ
Carbon disulfide	50 U	10 U	10 U	100 U	50 U	50 U	--	50 U	500 UJ
Carbon tetrachloride (Tetrachloromethane)	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
Chlorobenzene	2.5 U	0.5 U	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	25 U
Chloroethane	25 U	5 U	5 U	50 U	25 U	25 U	--	25 U	250 U
Chloroform	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
Chloromethane	25 U	5 U	5 U	50 U	25 U	25 U	--	25 U	250 U
Cymene, p- (4-Isopropyltoluene)	5 U	**0.68 J**	1 U	10 U	5 U	5 U	--	5 U	50 U
Dibromochloromethane	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
Dibromomethane	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
Dichlorodifluoromethane	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
Dichloromethane (Methylene chloride)	50 U	10 U	10 U	100 U	50 U	50 U	--	50 U	500 U
Ethylbenzene	**83.9**	**44.8**	**42.9**	**66.2**	**54.6**	**55**	--	**132**	**304**
Ethylene dibromide (1,2-Dibromoethane)	2.5 U	0.5 U	0.5 U	5 U	2.5 U	2.5 U	--	2.5 U	25 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	25 U	5 U	5 U	50 U	25 U	25 U	--	25 U	250 U
Isopropylbenzene (Cumene)	**18.4**	**13.9**	**17.5**	**14.4**	**14.9**	**15.2**	--	**10**	**26 J**

Table 1
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-50F
sys_sample_code	GS-121321-02	GS-030822-02	GS-030822-03	GS-062022-15	GS-090722-03	GS-090722-04	GS-101722-137	GS-121422-01	GS-010421-01
Sample Date	12/13/2021	3/8/2022	3/8/2022	6/20/2022	9/7/2022	9/7/2022	10/17/2022	12/14/2022	1/4/2021
Depth	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	14.1 - 23.8 ft
Sample Type	N	N	FD	N	N	FD	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623318.6344
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705313.8202
m,p-Xylene	**11.2**	**6.99**	**7.25**	**14.5**	**10.4**	**10.4**	--	**13**	**124**
Methyl ethyl ketone (2-Butanone)	50 U	10 U	10 U	100 U	50 U	50 U	--	50 U	500 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	5 U	**0.87 J**	1 U	10 U	5 U	5 U	--	5 U	50 U
n-Propylbenzene	**7.5**	**4.45**	**5.32**	**5.6**	**5.8**	**5.95**	--	**4.05**	25 U
o-Xylene	**17**	**11.1**	**11.5**	**22.2**	**17.4**	**17.7**	--	**45.5**	**84**
sec-Butylbenzene	5 U	**0.9 J**	**0.89 J**	10 U	5 U	5 U	--	5 U	50 U
Styrene	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
tert-Butylbenzene	5 U	1 U	1 U	10 U	5 U	5 U	--	5 U	50 U
Tetrachloroethene (PCE)	2 U	0.4 U	0.4 U	4 U	2 U	2 U	--	2 U	50 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	5 U	**1.21**	**1.19**	10 U	5 U	5 U	--	5 U	50 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.4 U	0.2 U	0.1 U	0.1 U	--	0.75 U	20 U
Trichlorofluoromethane (Fluorotrichloromethane)	10 U	2 U	2 U	20 U	10 U	10 U	--	10 U	100 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.2 U	0.1 U	0.1 U	--	0.5 U	20 U
Total BTEX (U = 0)	**532.1**	**264.1**	**250.84**	**333.9**	**192.4**	**186.1**	--	**227.1**	**1338**
Total VOC (U = 0)	**576.5 J**	**293.49 J**	**285.15 J**	**368**	**229.2 J**	**223.25 J**	--	**256.85 J**	**1416.5 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**180**	**109**	**127**	**196**	**215**	**225**	--	**172**	**743**
2-Methylnaphthalene	7.33 U	8.28 U	**1.56**	**18.7**	**14.6**	**14.5**	--	10.3 U	**1060**
Acenaphthene	**183**	**77.3**	**88**	**167**	**173**	**176**	--	**143**	**240**
Acenaphthylene	4.58 U	**5.54**	3.69 U	**24.1**	**23.7**	**25.6**	--	**19.7**	13 U
Anthracene	**9.53**	**2.69 J**	**3.86**	**4.61 J**	**5.76**	**5.89**	--	**7.56**	**12.7**
Benzo(a)anthracene	1.83 U	2.07 U	**0.0194**	2.39 U	2.04 U	1.93 U	--	2.58 U	**1.04 J**
Benzo(a)pyrene	1.83 U	2.07 U	0.0184 U	2.39 U	2.04 U	1.93 U	--	2.58 U	**0.839 J**
Benzo(b)fluoranthene	1.83 U	2.07 U	0.0184 U	2.39 U	2.04 U	1.93 U	--	2.58 U	1.6 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	3.66 U	4.14 U	0.0369 U	4.79 U	4.08 U	3.86 U	--	5.17 U	3.2 U
Benzo(j,k)fluoranthene	1.83 U	2.07 U	0.0184 U	2.39 U	2.04 U	1.93 U	--	2.58 U	1.6 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	**66.4**	**28.5**	**40.1**	**44.4**	**45.8**	**47.4**	--	**47.3**	**210**
Chrysene	1.83 U	2.07 U	**0.0166 J**	2.39 U	2.04 U	1.93 U	--	2.58 U	**0.879 J**
Dibenzo(a,h)anthracene	1.83 U	2.07 U	0.0184 U	2.39 U	2.04 U	1.93 U	--	2.58 U	1.6 U
Dibenzofuran	**6.37**	**2.9 J**	**3.74**	**6.52**	**6.99**	**7.09**	--	**7.56**	**15.9**
Fluoranthene	**3.89**	4.14 U	**1.42**	**2.45 J**	**2.81 J**	**2.89 J**	--	**3.17 J**	**14.6**
Fluorene	**39.2**	**14.2**	**17.7**	**29**	**25.8**	**26.9**	--	**36.3**	**74.8**
Indeno(1,2,3-c,d)pyrene	1.83 U	2.07 U	0.0184 U	2.39 U	2.04 U	1.93 U	--	2.58 U	1.6 U
Naphthalene	**596**	**167**	**195**	**834**	**443**	**446**	--	**1130**	**6280**
Phenanthrene	**57.3**	**13**	**13.6**	**22.4**	**31**	**31.5**	--	**41.6**	**83.4**

Table 1
Laboratory Testing Results

Location ID	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-49F	MW-50F
sys_sample_code	GS-121321-02	GS-030822-02	GS-030822-03	GS-062022-15	GS-090722-03	GS-090722-04	GS-101722-137	GS-121422-01	GS-010421-01
Sample Date	12/13/2021	3/8/2022	3/8/2022	6/20/2022	9/7/2022	9/7/2022	10/17/2022	12/14/2022	1/4/2021
Depth	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	19 - 29 ft	14.1 - 23.8 ft
Sample Type	N	N	FD	N	N	FD	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623476.81	7623318.6344
Y	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705461.64	705313.8202
Pyrene	**3.16 J**	4.14 U	**1.53**	4.79 U	4.08 U	**2.22 J**	--	5.17 U	**15.3**
Total PAH (17) (U = 0)	**892.08 J**	**279.73 J**	**322.706 J**	**1102.26 J**	**719.67 J**	**731.5 J**	--	**1381.33 J**	**7783.558 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	**7.19**	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	**15.6**	--	--
Oil range organics	--	--	--	--	--	--	0.377 U	--	--

Table 1
Laboratory Testing Results

Location ID	MW-50F	MW-50F	MW-50F	MW-50F	MW-50F	MW-51F	MW-51F	MW-51F	MW-51F
sys_sample_code	GS-032921-95	GS-060721-05	GS-090121-06	GS-121321-04	MW50F-WATER-11172	GS-121620-16	GS-030421-02	GS-060721-04	GS-090121-07
Sample Date	3/29/2021	6/7/2021	9/1/2021	12/13/2021	11/17/2022	12/16/2020	3/4/2021	6/7/2021	9/1/2021
Depth	14.1 - 23.8 ft	14.1 - 23.8 ft	14.1 - 23.8 ft	14.1 - 23.8 ft		15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623427.421	7623427.421	7623427.421	7623427.421
Y	705313.8202	705313.8202	705313.8202	705313.8202	705313.8202	705385.198	705385.198	705385.198	705385.198
Conventional Parameters (mg/L)									
Cyanide	**0.0718**	**0.0338**	0.0438 UJ	**0.0327**	--	**0.0548**	**0.0647**	**0.0451**	0.0393 UJ
Cyanide, available	**0.00116 J**	0.002 U	0.002 U	**0.00115 J**	--	0.002 U	0.002 U	**0.00122 J**	0.002 U
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	--	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	50 U	--	**386**	50 U	50 U	**346**
Antimony	1 U	1 U	1 U	1 U	--	**0.633 J**	1 U	1 U	1 U
Arsenic	**4.62**	**6.34**	**5.27**	**4.01**	--	**6.6**	**6.16**	**5.63**	**6.14**
Barium	**28.1**	**36.6**	**36.7**	**26.7**	--	**53.9**	**56.8**	**35.5**	**48.1**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	2 U	2 U	2 U	--	**0.812 J**	1 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	--	**1.05 J**	2 U	2 U	2 U
Iron	**31500**	**53600**	**53000**	**39900**	--	**77600**	**65300**	**43100**	**47800**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	--	**0.174 J**	0.2 U	0.2 U	**0.189 J**
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**2550**	**3100**	**3100**	**2340**	--	**1910**	**2490**	**1820**	**3090**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	--	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**2.27**	2 U	2 U	**5.41**	--	2 UJ	**1.13 J**	2 U	2 U
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	--	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	--	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	2 U	**1.23 J**	2 U	2 U	--	**1.68 J**	2 U	2 U	**1.64 J**
Zinc	**4.49**	**4.86**	**5.16**	**7**	--	**5.73**	**2.9 J**	4 U	**3.92 J**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	40 U	40 U	40 U	--	0.4 U	40 U	4 U	0.8 U
1,1,1-Trichloroethane	0.4 U	40 U	40 U	40 U	--	0.4 U	40 U	4 U	0.8 U
1,1,2,2-Tetrachloroethane	0.5 U	50 U	50 U	50 U	--	0.5 U	50 U	5 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	50 U	50 U	50 U	--	0.5 U	50 U	5 U	1 U
1,1-Dichloroethane	0.4 U	40 U	40 U	40 U	--	**0.465**	40 U	4 U	0.8 U
1,1-Dichloroethene	0.4 U	0.5 U	40 U	40 U	--	0.4 U	40 U	0.2 U	0.4 U
1,1-Dichloropropene	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
1,2,3-Trichlorobenzene	2 U	200 U	200 U	200 U	--	2 U	200 U	20 U	4 U
1,2,3-Trichloropropane	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	200 U	200 U	200 U	--	2 U	200 U	20 U	4 U
1,2,4-Trimethylbenzene	**73.2**	**78 J**	**70 J**	**58 J**	--	**155**	**85 J**	**145**	**78.5**
1,2-Dibromo-3-chloropropane	5 U	500 U	500 U	500 U	--	5 U	500 U	50 U	10 U

Table 1
Laboratory Testing Results

Location ID	MW-50F	MW-50F	MW-50F	MW-50F	MW-50F	MW-51F	MW-51F	MW-51F	MW-51F
sys_sample_code	GS-032921-95	GS-060721-05	GS-090121-06	GS-121321-04	MW50F-WATER-11172	GS-121620-16	GS-030421-02	GS-060721-04	GS-090121-07
Sample Date	3/29/2021	6/7/2021	9/1/2021	12/13/2021	11/17/2022	12/16/2020	3/4/2021	6/7/2021	9/1/2021
Depth	14.1 - 23.8 ft	14.1 - 23.8 ft	14.1 - 23.8 ft	14.1 - 23.8 ft		15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623427.421	7623427.421	7623427.421	7623427.421
Y	705313.8202	705313.8202	705313.8202	705313.8202	705313.8202	705385.198	705385.198	705385.198	705385.198
1,2-Dichlorobenzene	0.5 U	50 U	50 U	50 U	--	0.5 U	50 U	5 U	1 U
1,2-Dichloroethane	0.4 U	40 U	40 U	40 U	--	0.4 U	40 U	4 U	0.8 U
1,2-Dichloroethene, cis-	0.4 U	**0.306 J**	40 U	40 U	--	0.4 U	40 U	0.2 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.5 U	40 U	40 U	--	0.4 U	40 U	0.2 U	0.4 U
1,2-Dichloropropane	0.5 U	50 U	50 U	50 U	--	0.5 U	50 U	5 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	**21.4**	100 U	100 U	100 U	--	**37.3**	100 U	**26.8**	**18.6**
1,3-Dichlorobenzene	0.5 U	50 U	50 U	50 U	--	0.5 U	50 U	5 U	1 U
1,3-Dichloropropane	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
1,3-Dichloropropene, cis-	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
1,3-Dichloropropene, trans-	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	4 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	50 U	50 U	50 U	--	0.5 U	50 U	5 U	1 U
2,2-Dichloropropane	1 U	100 U	100 UJ	100 U	--	1 U	100 U	10 U	2 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
2-Hexanone (Methyl butyl ketone)	10 U	1000 U	1000 U	1000 U	--	10 U	1000 U	100 U	20 U
4-Chlorotoluene	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	1000 U	1000 U	1000 U	--	10 U	1000 U	100 U	20 U
Acetone	20 U	2000 U	2000 U	2000 U	--	20 U	2000 U	200 U	40 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	200 U	200 U	200 U	--	2 U	200 U	20 U	4 U
Benzene	**592**	**2560**	**12100**	**7050**	--	**4490**	**3160**	**387**	**243**
Bromobenzene	0.5 U	50 U	50 U	50 U	--	0.5 U	50 U	5 U	1 U
Bromochloromethane	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
Bromodichloromethane	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
Bromoform (Tribromomethane)	1 U	100 U	100 U	100 U	--	2 U	100 U	10 U	2 U
Bromomethane (Methyl bromide)	5 U	500 UJ	500 UJ	500 U	--	5 U	500 UJ	50 UJ	10 U
Carbon disulfide	10 U	1000 U	1000 U	1000 U	--	10 U	1000 U	100 U	20 U
Carbon tetrachloride (Tetrachloromethane)	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
Chlorobenzene	0.5 U	50 U	50 U	50 U	--	0.5 U	50 U	5 U	1 U
Chloroethane	5 U	500 U	500 U	500 U	--	5 U	500 U	50 U	10 U
Chloroform	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
Chloromethane	5 U	500 U	500 U	500 U	--	5 U	500 U	50 U	10 U
Cymene, p- (4-Isopropyltoluene)	**7.21 J**	100 U	100 U	100 U	--	**7.38**	100 U	**17.5 J**	**12.2 J**
Dibromochloromethane	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
Dibromomethane	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
Dichlorodifluoromethane	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
Dichloromethane (Methylene chloride)	10 U	1000 U	1000 U	1000 U	--	10 U	1000 U	100 U	20 U
Ethylbenzene	**372**	**503**	**524**	**353**	--	**285**	**336**	**457**	**336**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	50 U	50 U	50 U	--	1 U	50 U	5 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	500 U	500 U	500 U	--	5 U	500 U	50 U	10 U
Isopropylbenzene (Cumene)	**75.3**	**68 J**	**64 J**	100 U	--	**56**	100 U	**86.6**	**89.3**

Table 1
Laboratory Testing Results

Location ID	MW-50F	MW-50F	MW-50F	MW-50F	MW-50F	MW-51F	MW-51F	MW-51F	MW-51F
sys_sample_code	GS-032921-95	GS-060721-05	GS-090121-06	GS-121321-04	MW50F-WATER-11172	GS-121620-16	GS-030421-02	GS-060721-04	GS-090121-07
Sample Date	3/29/2021	6/7/2021	9/1/2021	12/13/2021	11/17/2022	12/16/2020	3/4/2021	6/7/2021	9/1/2021
Depth	14.1 - 23.8 ft	14.1 - 23.8 ft	14.1 - 23.8 ft	14.1 - 23.8 ft		15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623427.421	7623427.421	7623427.421	7623427.421
Y	705313.8202	705313.8202	705313.8202	705313.8202	705313.8202	705385.198	705385.198	705385.198	705385.198
m,p-Xylene	**75.3**	**76 J**	**111**	**77 J**	--	**102**	**85 J**	**60**	**46.3**
Methyl ethyl ketone (2-Butanone)	10 U	1000 U	1000 U	1000 U	--	10 U	1000 U	100 U	20 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	**2.06**	100 U	100 U	100 U	--	**2.47**	100 U	**7 J**	**4.43**
n-Propylbenzene	**30.4**	**55**	**61**	**29 J**	--	**20.3**	50 U	**43.6**	**39.4**
o-Xylene	**109**	**108**	**123**	**79**	--	**127**	**74**	**121**	**109**
sec-Butylbenzene	**5.88**	100 U	100 U	100 U	--	**1.99**	100 U	**11**	**8.52**
Styrene	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
tert-Butylbenzene	1 U	100 U	100 U	100 U	--	1 U	100 U	10 U	2 U
Tetrachloroethene (PCE)	0.4 U	40 U	40 U	40 U	--	0.4 U	40 U	4 U	0.8 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**10.3**	100 U	100 U	100 U	--	**18.4**	100 U	10 U	**5.06**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.5 U	40 U	40 U	--	0.4 U	40 U	0.2 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	200 U	200 U	200 U	--	2 U	200 U	20 U	4 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.5 U	40 U	40 U	--	0.4 U	40 U	0.2 U	0.4 U
Total BTEX (U = 0)	**1158.6**	**3247 J**	**12858**	**7559 J**	--	**5022.4**	**3655 J**	**1025**	**739.36**
Total VOC (U = 0)	**1374.05 J**	**3448.306 J**	**13053 J**	**7646 J**	--	**5303.305**	**3740 J**	**1362.5 J**	**990.31 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**541**	**780**	**607**	**538**	--	**645**	**596**	**596**	**734**
2-Methylnaphthalene	**673**	**1060**	**838**	**736**	--	**229**	**374**	**527**	**589**
Acenaphthene	**250**	**274**	**236**	**226**	--	**109**	**119**	**225**	**197**
Acenaphthylene	11.2 U	10.5 U	7.75 U	18.5 U	--	8.47 U	8.17 U	7.47 U	7.94 U
Anthracene	**16.5**	**16.7**	**14.4**	**11.1 J**	--	**7.28**	**8.56**	**9.91**	**8**
Benzo(a)anthracene	1.79 U	3.35 U	2.07 U	9.24 U	--	0.714 U	0.817 U	0.703 U	2.12 U
Benzo(a)pyrene	1.79 U	3.35 U	2.07 U	9.24 U	--	0.714 U	0.817 U	0.703 U	2.12 U
Benzo(b)fluoranthene	1.79 U	3.35 U	2.07 U	9.24 U	--	0.714 U	0.817 U	0.703 U	2.12 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	3.57 U	6.71 U	4.13 U	18.5 U	--	1.43 U	1.63 U	1.41 U	4.24 U
Benzo(j,k)fluoranthene	1.79 U	3.35 U	2.07 U	9.24 U	--	0.714 U	0.817 U	0.703 U	2.12 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	**167**	**244**	**228**	**230**	--	**187**	**205**	**190**	**156**
Chrysene	1.79 U	3.35 U	2.07 U	9.24 U	--	0.714 U	0.817 U	0.703 U	2.12 U
Dibenzo(a,h)anthracene	1.79 U	3.35 U	2.07 U	9.24 U	--	0.714 U	0.817 U	0.703 U	2.12 U
Dibenzofuran	**18.6**	**21.4**	**19.1**	**17.6 J**	--	**11.4**	**12.6**	**19.5**	**16.6**
Fluoranthene	**14.7**	**13.5**	**11.2**	**9.7 J**	--	**2.77**	**2.6**	**2.83**	4.24 U
Fluorene	**73.3**	**87.1**	**79.9**	**69.5**	--	**51**	**53.1**	**68.8**	**68**
Indeno(1,2,3-c,d)pyrene	1.79 U	3.35 U	2.07 U	9.24 U	--	0.714 U	0.817 U	0.703 U	2.12 U
Naphthalene	**983**	**1430**	**1150**	**2280**	--	**497**	**454**	**466**	**160**
Phenanthrene	**133**	**138**	**115**	**105**	--	**62.7**	**71**	**76.9**	**66.1**

Table 1
Laboratory Testing Results

Location ID	MW-50F	MW-50F	MW-50F	MW-50F	MW-50F	MW-51F	MW-51F	MW-51F	MW-51F
sys_sample_code	GS-032921-95	GS-060721-05	GS-090121-06	GS-121321-04	MW50F-WATER-11172	GS-121620-16	GS-030421-02	GS-060721-04	GS-090121-07
Sample Date	3/29/2021	6/7/2021	9/1/2021	12/13/2021	11/17/2022	12/16/2020	3/4/2021	6/7/2021	9/1/2021
Depth	14.1 - 23.8 ft	14.1 - 23.8 ft	14.1 - 23.8 ft	14.1 - 23.8 ft		15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623318.6344	7623427.421	7623427.421	7623427.421	7623427.421
Y	705313.8202	705313.8202	705313.8202	705313.8202	705313.8202	705385.198	705385.198	705385.198	705385.198
Pyrene	**15**	**13.7**	**11.7**	**11.8 J**	--	**2.18**	**2.41**	**2.58**	4.24 U
Total PAH (17) (U = 0)	**2158.5**	**3033**	**2456.2**	**3449.1 J**	--	**960.93**	**1084.67**	**1379.02**	**1088.1**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-52F	MW-52F	MW-52F	MW-52F
sys_sample_code	GS-121321-01	GS-030822-01	GS-062022-14	GS-090722-01	GS-121422-03	GS-121620-17	GS-030421-03	GS-030421-04	GS-060821-11
Sample Date	12/13/2021	3/8/2022	6/20/2022	9/7/2022	12/14/2022	12/16/2020	3/4/2021	3/4/2021	6/8/2021
Depth	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft
Sample Type	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623610.623	7623610.623	7623610.623	7623610.623
Y	705385.198	705385.198	705385.198	705385.198	705385.198	705430.281	705430.281	705430.281	705430.281
Conventional Parameters (mg/L)									
Cyanide	**0.0255**	**0.0293**	**0.0307**	**0.0368**	**0.0393**	**0.0562**	**0.0826**	**0.0837**	**0.0737**
Cyanide, available	0.002 UJ	**0.00107 J**	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	**37.7 J**	50 U	50 U	50 U	50 U	**114**	50 U	50 U	**132**
Antimony	1 U	1 U	1 U	1 U	1 U	**0.71 J**	1 U	1 U	1 U
Arsenic	**6.06**	**5.57**	**5.07**	**5.31**	**6.06**	**2.2**	**1.85**	**1.72**	**1.38**
Barium	**51.5**	**37.5**	**36.5**	**31.6**	**39.8**	**57.4**	**47.9**	**47.5**	**54.2**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	2 U	2 U	2 U	**0.862 J**	1 U	1 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	**2.63 J**	2 U	2 U	2 U	2 U	2 U
Iron	**48700**	**45000**	**41900**	**38100**	**48000**	**39700**	**38400**	**37700**	**34500**
Lead	0.2 U	0.2 U	**0.399**	0.2 U	0.2 U	**0.159 J**	0.2 U	**0.129 J**	**0.136 J**
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**3250**	**2360**	**2300**	**1700**	**2080**	**2440**	**1950**	**1910**	**1750**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	2 U	2 U	2 U	2 U	2 U	**30.5 J**	2 U	2 U	**1.11 J**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	2 U	2 U	2 U	2 U	2 U	**1.15 J**	2 U	2 U	2 U
Zinc	**9.53**	**3.86 J**	**4.71**	4 U	**2.05 J**	**4.25**	**2.48 J**	**2.55 J**	**2.88 J**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	2 U	4 U	4 U	2 U	2 U	0.4 U	40 U	40 U	40 U
1,1,1-Trichloroethane	2 U	4 U	4 U	2 U	2 U	0.4 U	40 U	40 U	40 U
1,1,2,2-Tetrachloroethane	2.5 U	5 U	5 U	2.5 U	2.5 U	1.6 U	50 U	50 U	50 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	2.5 U	5 U	5 U	2.5 U	2.5 U	0.5 U	50 U	50 U	50 U
1,1-Dichloroethane	2 U	4 U	4 U	2 U	2 U	0.4 U	40 U	40 U	40 U
1,1-Dichloroethene	0.4 U	0.4 U	0.2 U	0.5 U	0.5 U	0.4 U	40 U	40 U	40 U
1,1-Dichloropropene	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
1,2,3-Trichlorobenzene	10 U	20 U	20 U	10 U	10 U	2 U	200 U	200 U	200 U
1,2,3-Trichloropropane	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	10 U	20 U	20 U	10 U	10 U	2 U	200 U	200 U	200 U
1,2,4-Trimethylbenzene	**88.4**	**141**	**103**	**56.1**	**64.8**	200 U	**125**	**276**	**123**
1,2-Dibromo-3-chloropropane	25 U	50 U	50 U	25 U	25 U	5 U	500 U	500 U	500 U

Table 1
Laboratory Testing Results

Location ID	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-52F	MW-52F	MW-52F	MW-52F
sys_sample_code	GS-121321-01	GS-030822-01	GS-062022-14	GS-090722-01	GS-121422-03	GS-121620-17	GS-030421-03	GS-030421-04	GS-060821-11
Sample Date	12/13/2021	3/8/2022	6/20/2022	9/7/2022	12/14/2022	12/16/2020	3/4/2021	3/4/2021	6/8/2021
Depth	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft
Sample Type	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623610.623	7623610.623	7623610.623	7623610.623
Y	705385.198	705385.198	705385.198	705385.198	705385.198	705430.281	705430.281	705430.281	705430.281
1,2-Dichlorobenzene	2.5 U	5 U	5 U	2.5 U	2.5 U	0.5 U	50 U	50 U	50 U
1,2-Dichloroethane	2 U	4 U	4 U	2 U	2 U	0.4 U	40 U	40 U	40 U
1,2-Dichloroethene, cis-	**0.379 J**	0.4 U	**0.185 J**	0.5 U	0.55 U	0.4 U	40 U	40 U	40 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.2 U	0.5 U	0.5 U	0.4 U	40 U	40 U	40 U
1,2-Dichloropropane	2.5 U	5 U	5 U	2.5 U	2.5 U	0.5 U	50 U	50 U	50 U
1,3,5-Trimethylbenzene (Mesitylene)	**21.4**	**41.1**	**32.5**	**22.8**	**16.8**	**42.2**	100 U	**64 J**	100 U
1,3-Dichlorobenzene	2.5 U	5 U	5 U	2.5 U	2.5 U	0.5 U	50 U	50 U	50 U
1,3-Dichloropropane	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
1,3-Dichloropropene, cis-	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
1,3-Dichloropropene, trans-	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	2.5 U	5 U	5 U	2.5 U	2.5 U	0.5 U	50 U	50 U	50 U
2,2-Dichloropropane	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
2-Hexanone (Methyl butyl ketone)	50 U	100 U	100 U	50 U	50 U	10 U	1000 U	1000 U	1000 U
4-Chlorotoluene	5 U	10 U	10 U	5 U	10 U	1 U	100 U	100 U	100 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	50 U	100 U	100 U	50 U	50 U	10 U	1000 U	1000 U	1000 U
Acetone	100 U	200 U	200 U	100 U	100 U	20 U	2000 U	2000 U	2000 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	10 U	20 U	20 U	10 U	10 U	2.7 U	200 U	200 U	200 U
Benzene	**284**	**1620**	**732**	**141**	**120**	**18500**	**23000**	**23000**	**16300**
Bromobenzene	2.5 U	5 U	5 U	2.5 U	2.5 U	0.5 U	50 U	50 U	50 U
Bromochloromethane	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
Bromodichloromethane	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
Bromoform (Tribromomethane)	5 U	10 U	10 U	5 U	5 U	2 U	100 U	100 U	100 U
Bromomethane (Methyl bromide)	25 U	50 U	50 U	25 UJ	25 U	5 U	500 UJ	500 UJ	500 U
Carbon disulfide	50 U	100 U	100 U	50 U	50 U	10 U	1000 U	1000 U	1000 U
Carbon tetrachloride (Tetrachloromethane)	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
Chlorobenzene	2.5 U	5 U	5 U	2.5 U	2.5 U	0.5 U	50 U	50 U	50 U
Chloroethane	25 U	50 U	50 U	25 U	25 U	5 U	500 U	500 U	500 U
Chloroform	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
Chloromethane	25 U	50 U	50 U	25 U	25 U	5 U	500 U	500 U	500 U
Cymene, p- (4-Isopropyltoluene)	7.5 U	**11.2 J**	**11.3 J**	**13.5 J**	**13**	**2.55**	100 U	100 U	100 U
Dibromochloromethane	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
Dibromomethane	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
Dichlorodifluoromethane	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
Dichloromethane (Methylene chloride)	50 U	100 U	100 U	50 U	50 U	10 U	1000 U	1000 U	1000 U
Ethylbenzene	**448**	**584**	**491**	**309**	**370**	**766**	**953**	**1910**	**586**
Ethylene dibromide (1,2-Dibromoethane)	2.5 U	5 U	5 U	2.5 U	2.5 U	1 U	50 U	50 U	50 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	25 U	50 U	50 U	25 U	25 U	5 U	500 U	500 U	500 U
Isopropylbenzene (Cumene)	**56.5**	**76.8**	**69.3**	**75.8**	**77.8**	**39.9**	100 U	**60 J**	100 U

Table 1
Laboratory Testing Results

Location ID	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-52F	MW-52F	MW-52F	MW-52F
sys_sample_code	GS-121321-01	GS-030822-01	GS-062022-14	GS-090722-01	GS-121422-03	GS-121620-17	GS-030421-03	GS-030421-04	GS-060821-11
Sample Date	12/13/2021	3/8/2022	6/20/2022	9/7/2022	12/14/2022	12/16/2020	3/4/2021	3/4/2021	6/8/2021
Depth	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft
Sample Type	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623610.623	7623610.623	7623610.623	7623610.623
Y	705385.198	705385.198	705385.198	705385.198	705385.198	705430.281	705430.281	705430.281	705430.281
m,p-Xylene	**65.9**	**101**	**80.3**	**31.4**	**38.2**	**806**	**952**	**1950**	**541**
Methyl ethyl ketone (2-Butanone)	50 U	100 U	100 U	50 U	50 U	10 U	1000 U	1000 U	1000 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	5 U	10 U	10 U	5 U	5 U	1 U	100 U	100 U	100 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	5 U	10 U	10 U	**3.9 J**	**3.95 J**	1 U	100 U	100 U	100 U
n-Propylbenzene	**28.8**	**39.2**	**31.5**	**35.4**	**34.4**	**14.3**	50 U	50 U	50 U
o-Xylene	**133**	**149**	**89.3**	**90.8**	**107**	**474**	**635**	**1320**	**392**
sec-Butylbenzene	**4.35 J**	**5.4 J**	**5 J**	**7.9**	**7**	**2.53**	100 U	100 U	100 U
Styrene	5 U	10 U	10 U	5 U	**2.95 J**	1 U	100 U	100 U	100 U
tert-Butylbenzene	5 U	10 U	10 U	6 U	10 U	1 U	100 U	100 U	100 U
Tetrachloroethene (PCE)	2 U	4 U	4 U	2 U	2 U	0.4 U	40 U	40 U	40 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	5 U	**15.4**	**10.4**	**3.05 J**	**2.65 J**	**462**	**1270**	**2470**	**328**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	**0.779 J**	0.4 U	0.2 U	0.5 U	0.5 U	0.4 U	40 U	40 U	40 U
Trichlorofluoromethane (Fluorotrichloromethane)	10 U	20 U	20 U	10 U	10 U	2 U	200 U	200 U	200 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.2 U	0.5 U	0.5 U	0.4 U	40 U	40 U	40 U
Total BTEX (U = 0)	**930.9**	**2469.4**	**1403**	**575.25 J**	**637.85 J**	**21008**	**26810**	**30650**	**18147**
Total VOC (U = 0)	**1131.508 J**	**2784.1 J**	**1655.785 J**	**790.65 J**	**858.55 J**	**21109.48**	**26935 J**	**31050 J**	**18270**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**328**	**513**	**688**	**679**	**535**	**151**	**239**	**260**	**272**
2-Methylnaphthalene	**210**	**478**	**662**	**766**	**582**	**63.8**	**138**	**151**	**123**
Acenaphthene	**172**	**164**	**206**	**255 J**	**173**	**90.5**	**155**	**155**	**92.3**
Acenaphthylene	4.06 U	8.56 U	23.9 U	30.3 U	45.4 U	**12.2 J**	**11.5**	**11.7**	**16.3**
Anthracene	**2.97**	**7**	**8.76**	**8.59**	45.4 U	17.8 U	**5.9**	**5.92**	**5.8**
Benzo(a)anthracene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	8.9 U	0.779 U	0.8 U	**0.321 J**
Benzo(a)pyrene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	8.9 U	0.779 U	0.8 U	0.643 U
Benzo(b)fluoranthene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	8.9 U	0.779 U	0.8 U	0.643 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	1.86 U	4.21 U	3.83 U	2.2 U	45.4 U	17.8 U	1.56 U	1.6 U	1.29 U
Benzo(j,k)fluoranthene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	8.9 U	0.779 U	0.8 U	0.643 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	**186**	**145**	**189**	**192**	**183**	**33.8**	**66.8**	**66.4**	**30.1**
Chrysene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	8.9 U	0.779 U	0.8 U	0.643 U
Dibenzo(a,h)anthracene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	8.9 U	0.779 U	0.8 U	0.643 U
Dibenzofuran	**11**	**14.5**	**16.4**	**19.9**	45.4 U	17.8 U	**4.98**	**4.9**	**3.21**
Fluoranthene	1.86 U	4.21 U	**2.35 J**	**2.64**	45.4 U	17.8 U	**15.2**	**15.2**	**17.8**
Fluorene	**44**	**58.2**	**59.7**	**68.9**	**64.1**	**29.1**	**35.5**	**36.2**	**17.8**
Indeno(1,2,3-c,d)pyrene	0.929 U	2.11 U	1.91 U	1.1 U	22.7 U	8.9 U	0.779 U	0.8 U	0.643 U
Naphthalene	**317**	**666**	**927**	**377**	**408**	**4520**	**5730**	**5810**	**6510**
Phenanthrene	**26**	**54**	**67.9**	**74**	**68.7 J**	35.6 U	**13.3**	**13.3**	**14.2**

Table 1
Laboratory Testing Results

Location ID	MW-51F	MW-51F	MW-51F	MW-51F	MW-51F	MW-52F	MW-52F	MW-52F	MW-52F
sys_sample_code	GS-121321-01	GS-030822-01	GS-062022-14	GS-090722-01	GS-121422-03	GS-121620-17	GS-030421-03	GS-030421-04	GS-060821-11
Sample Date	12/13/2021	3/8/2022	6/20/2022	9/7/2022	12/14/2022	12/16/2020	3/4/2021	3/4/2021	6/8/2021
Depth	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	15.5 - 25.2 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft
Sample Type	N	N	N	N	N	N	N	FD	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623427.421	7623427.421	7623427.421	7623427.421	7623427.421	7623610.623	7623610.623	7623610.623	7623610.623
Y	705385.198	705385.198	705385.198	705385.198	705385.198	705430.281	705430.281	705430.281	705430.281
Pyrene	1.86 U	4.21 U	**2.15 J**	**2.2**	45.4 U	**8.9 J**	**14.8**	**15.1**	**18.5**
Total PAH (17) (U = 0)	**771.97**	**1427.2**	**1935.86 J**	**1554.33 J**	**1295.8 J**	**4724.5 J**	**6119.2**	**6213.42**	**6816.021 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-53F	MW-53F	MW-53F
sys_sample_code	GS-090221-09	GS-121521-17	GS-030922-10	GS-062022-17	GS-090822-10	GS-121422-05	GS-121620-18	GS-030421-05	GS-060921-13
Sample Date	9/2/2021	12/15/2021	3/9/2022	6/20/2022	9/8/2022	12/14/2022	12/16/2020	3/4/2021	6/9/2021
Depth	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623770.055	7623770.055	7623770.055
Y	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705433.306	705433.306	705433.306
Conventional Parameters (mg/L)									
Cyanide	**0.0962 J**	**0.047**	**0.113**	**0.114**	**0.105**	**0.0677**	**0.299**	**0.271**	**0.446**
Cyanide, available	0.002 U	**0.00144 J**	**0.00196 J**	0.002 U	0.002 U	0.002 U	**0.00186 J**	0.002 U	**0.00376**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ
Metals (µg/L)									
Aluminum	**411**	50 U	**30.5 J**	50 U	**393**	**510**	**286**	50 U	**5300**
Antimony	**0.576 J**	1 U	1 U	1 U	1 U	**0.58 J**	1 U	1 U	1 U
Arsenic	**1.97**	**1.3**	**1.41**	**1.51**	**1.2**	**0.982 J**	**2.24**	**1.73**	**2.31**
Barium	**75**	**61.2**	**43.5**	**40.2**	**64.7**	**80.9**	**51.4**	**31.5**	**98.8**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.235**
Cadmium	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	**51300**	--	--	--	--	--	--	--	--
Chromium	--	2 U	2 U	2 U	**1.54 J**	**2.25**	**0.831 J**	1 U	**11.2**
Cobalt	**1.45**	--	--	--	--	--	--	--	--
Copper	**2.15**	**1.6 J**	2 U	2 U	**1.26 J**	2 U	2 U	2 U	**10.5**
Iron	**25800**	**13500**	**28900**	**29800**	**10600**	**12500**	**39100**	**29300**	**36700**
Lead	**0.51**	**0.174 J**	0.2 U	0.2 U	**0.454**	**0.424**	**0.239**	0.2 U	**4.13**
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**2270**	**1810**	**1500**	**1460**	**1630**	**2200**	**2620**	**1690**	**3200**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**6.46**	**1.98 J**	**1.14 J**	2 U	**3.2**	**3.12**	**2.34 J**	2 U	**16.2**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**2.35**	2 U	**1.09 J**	2 U	**1.52 J**	**2.16**	**1.43 J**	2 U	**27.6**
Zinc	**6.66**	**32.1**	**3.18 J**	**3.63 J**	**6.08 J**	**4.3**	**4.38**	4 U	**19.6**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	20 U	20 U	40 U	20 U	20 U	80 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	20 U	20 U	40 U	20 U	20 U	80 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	25 U	25 U	50 U	25 U	25 U	100 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	25 U	25 U	50 U	25 U	25 U	100 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	20 U	20 U	40 U	20 U	20 U	80 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	20 U	20 U	0.4 U	0.4 U	20 U	80 U	0.4 U	0.4 U	0.4 U
1,1-Dichloropropene	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	100 U	100 U	200 U	100 U	100 U	400 U	2 U	2 U	2 U
1,2,3-Trichloropropane	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	100 U	100 U	200 U	100 U	100 U	400 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**76.5**	**124**	**56 J**	**72**	**75.5**	200 U	**0.82 J**	1 U	**4.42**
1,2-Dibromo-3-chloropropane	250 U	250 U	500 U	250 U	250 U	1000 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-53F	MW-53F	MW-53F
sys_sample_code	GS-090221-09	GS-121521-17	GS-030922-10	GS-062022-17	GS-090822-10	GS-121422-05	GS-121620-18	GS-030421-05	GS-060921-13
Sample Date	9/2/2021	12/15/2021	3/9/2022	6/20/2022	9/8/2022	12/14/2022	12/16/2020	3/4/2021	6/9/2021
Depth	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623770.055	7623770.055	7623770.055
Y	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705433.306	705433.306	705433.306
1,2-Dichlorobenzene	25 U	25 U	50 U	25 U	25 U	100 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	20 U	20 U	40 U	20 U	20 U	80 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	20 U	20 U	**0.215 J**	0.4 U	20 U	80 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	20 U	20 U	0.4 U	0.4 U	20 U	80 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	25 U	25 U	50 U	25 U	25 U	100 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	50 U	**37 J**	100 U	50 U	50 U	200 U	1 U	1 U	**1.78**
1,3-Dichlorobenzene	25 U	25 U	50 U	25 U	25 U	100 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	25 U	25 U	50 U	25 U	25 U	100 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	50 UJ	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	500 U	500 U	1000 U	500 U	500 U	2000 U	10 U	10 U	10 U
4-Chlorotoluene	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	500 U	500 U	1000 U	500 U	500 U	2000 U	10 U	10 U	10 U
Acetone	1000 U	1000 U	2000 U	1000 U	1000 U	4000 U	20 U	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	100 U	100 U	200 U	100 U	100 U	400 U	2 U	2 U	2 U
Benzene	**24000**	**13200**	**2150**	**3780**	**15000**	**21700**	**0.128 J**	0.2 U	**191**
Bromobenzene	25 U	25 U	50 U	25 U	25 U	100 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
Bromodichloromethane	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	50 U	50 U	100 U	50 U	50 U	200 U	2 U	1 U	1 U
Bromomethane (Methyl bromide)	250 UJ	250 UJ	500 U	250 U	250 UJ	1000 U	5 U	5 UJ	5 U
Carbon disulfide	500 U	500 U	1000 U	500 U	500 U	2000 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
Chlorobenzene	25 U	25 U	50 U	25 U	25 U	100 U	0.5 U	0.5 U	0.5 U
Chloroethane	250 U	250 U	500 U	250 U	250 U	1000 U	5 U	5 U	5 U
Chloroform	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
Chloromethane	250 U	250 U	500 U	250 U	250 U	1000 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	**0.524 J**
Dibromochloromethane	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
Dibromomethane	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
Dichlorodifluoromethane	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	500 U	500 U	1000 U	500 U	500 U	2000 U	10 U	10 U	10 U
Ethylbenzene	**575**	**864**	**197**	**360**	**558**	**408**	0.5 U	0.5 U	**2.61**
Ethylene dibromide (1,2-Dibromoethane)	25 U	25 U	50 U	25 U	25 U	100 U	1 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	250 U	250 U	500 U	250 U	250 U	1000 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	50 U	50 U	100 U	50 U	50 U	200 U	1 U	**0.7 J**	**4.78**

Table 1
Laboratory Testing Results

Location ID	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-53F	MW-53F	MW-53F
sys_sample_code	GS-090221-09	GS-121521-17	GS-030922-10	GS-062022-17	GS-090822-10	GS-121422-05	GS-121620-18	GS-030421-05	GS-060921-13
Sample Date	9/2/2021	12/15/2021	3/9/2022	6/20/2022	9/8/2022	12/14/2022	12/16/2020	3/4/2021	6/9/2021
Depth	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623770.055	7623770.055	7623770.055
Y	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705433.306	705433.306	705433.306
m,p-Xylene	**565**	**912**	**100**	**200**	**451**	**228**	1 U	**0.52 J**	**3.08**
Methyl ethyl ketone (2-Butanone)	500 U	500 U	1000 U	500 U	500 U	2000 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	**0.603 J**
n-Propylbenzene	25 U	**12.5 J**	50 U	25 U	25 U	100 U	**0.255 J**	0.5 U	**2.19**
o-Xylene	**344**	**564**	**83**	**120**	**218**	**132**	**0.41 J**	**0.3 J**	**4.31**
sec-Butylbenzene	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	**0.677 J**
Styrene	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
tert-Butylbenzene	50 U	50 U	100 U	50 U	50 U	200 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	20 U	20 U	40 U	20 U	20 U	80 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**135**	**498**	100 U	50 U	**86.5**	200 U	1 U	1 U	**1.13**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	20 U	20 U	0.4 U	0.4 U	20 U	80 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	100 U	100 U	200 U	100 U	100 U	400 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	20 U	20 U	0.4 U	0.4 U	20 U	80 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	**25619**	**16038**	**2530**	**4460**	**16313.5**	**22468**	**0.538 J**	**0.82 J**	**202.13**
Total VOC (U = 0)	**25695.5 J**	**16211.5 J**	**2586.215 J**	**4532**	**16389 J**	**22468**	**1.613 J**	**1.52 J**	**217.104 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**173**	**145**	**134**	**194**	**179**	**206**	**18.4**	**7.87**	**21.8**
2-Methylnaphthalene	**49**	**54 J**	**50.1**	**77.9**	**101**	**126**	**12.9**	**6.02**	**11.1**
Acenaphthene	**125**	**138**	**71.3**	**103**	**101**	**97.8**	**97.2**	**76.1**	**164**
Acenaphthylene	8.39 U	37.9 U	5.2 U	37.1 U	32.9 U	45.5 U	**4.93**	**2.31**	**9.38**
Anthracene	**5.46**	37.9 U	**2.88**	37.1 U	32.9 U	45.5 U	**7.48**	**2.89**	**8.04**
Benzo(a)anthracene	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	**2.68**	0.706 U	**4.75**
Benzo(a)pyrene	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	**5.2**	0.706 U	**12.8**
Benzo(b)fluoranthene	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	**3.17**	0.706 U	**7.91**
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	3.83 U	37.9 U	0.476 U	37.1 U	32.9 U	45.5 U	**4.31**	1.41 U	**11.4**
Benzo(j,k)fluoranthene	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	**1.14**	0.706 U	**3.28 J**
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	**42.6**	**51.7**	**26.7**	**30.1 J**	**34.9**	**34.7 J**	**2.85**	**0.882 J**	**3.7**
Chrysene	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	**3.39**	0.706 U	**5.89**
Dibenzo(a,h)anthracene	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	**0.311 J**	0.706 U	1.68 U
Dibenzofuran	**4.74**	37.9 U	**2.98**	37.1 U	32.9 U	45.5 U	**1.28**	1.41 U	3.37 U
Fluoranthene	**13.5**	37.9 U	**11.1**	37.1 U	32.9 U	45.5 U	**21**	**4.94**	**16.2**
Fluorene	**21.4**	**24.6 J**	**16.9**	**19.9 J**	**21 J**	45.5 U	**11.4**	**5.95**	**9.42**
Indeno(1,2,3-c,d)pyrene	1.92 U	19 U	0.238 U	18.5 U	16.4 U	22.8 U	**3.75**	0.706 U	**8.41**
Naphthalene	**3330**	**4760**	**2270**	**3700**	**3250**	**3790**	**14.6**	**9.88**	**28.6**
Phenanthrene	**26.4**	75.8 U	**9.83**	74.2 U	**39.4 J**	91 U	**51.3**	**15.9**	**30**

Table 1
Laboratory Testing Results

Location ID	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-52F	MW-53F	MW-53F	MW-53F
sys_sample_code	GS-090221-09	GS-121521-17	GS-030922-10	GS-062022-17	GS-090822-10	GS-121422-05	GS-121620-18	GS-030421-05	GS-060921-13
Sample Date	9/2/2021	12/15/2021	3/9/2022	6/20/2022	9/8/2022	12/14/2022	12/16/2020	3/4/2021	6/9/2021
Depth	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	5.8 - 10.5 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623610.623	7623770.055	7623770.055	7623770.055
Y	705430.281	705430.281	705430.281	705430.281	705430.281	705430.281	705433.306	705433.306	705433.306
Pyrene	**14.3**	37.9 U	**11.8**	37.1 U	32.9 U	45.5 U	**26.8**	**7.48**	**20.9**
Total PAH (17) (U = 0)	**3585.06**	**4976.6 J**	**2443.91**	**3900.8 J**	**3512.4 J**	**4013.8**	**271.561 J**	**131.47**	**352.08 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-090221-10	GS-121521-14	GS-030822-06	GS-062022-16	GS-090822-08	GS-121422-06	GS-031314-29	GS-102314-91	GS-030315-07
Sample Date	9/2/2021	12/15/2021	3/8/2022	6/20/2022	9/8/2022	12/14/2022	3/13/2014	10/23/2014	3/3/2015
Depth	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7624070.282	7624070.282	7624070.282
Y	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705366.661	705366.661	705366.661
Conventional Parameters (mg/L)									
Cyanide	**0.774 J**	**0.854**	**0.582 J**	**0.558**	**0.59**	**0.83**	**0.362**	**0.353**	**0.158**
Cyanide, available	0.002 U	**0.00306 J**	**0.00451**	0.002 U	**0.00147 J**	0.002 U	**0.00314**	**0.00944**	**0.00224**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	**0.0047 J**	0.005 U
Metals (µg/L)									
Aluminum	**1440**	**62.5**	50 U	50 U	**403**	**25.2 J**	**1590**	**1150**	**3570**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Arsenic	**1.53**	**0.81 J**	**1.18**	**1.8**	**1.07**	**1.04**	**5.71**	**5.76**	**7.31**
Barium	**72.2**	**88.1**	**55.3**	**65.4**	**89**	**93.6**	**110**	**104**	**105**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.144 J**
Cadmium	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.0889 J**	0.2 U	**0.144 J**
Calcium	**65100**	--	--	--	--	--	--	--	--
Chromium	--	2 U	2 U	2 U	**1.76 J**	2 U	**5.17**	**1.58**	**5.11**
Cobalt	**2.75**	--	--	--	--	--	--	--	--
Copper	**2.84**	**1.05 J**	2 U	2 U	**1.66 J**	2 U	**6.24**	**3.3**	**10.2**
Iron	**25000**	**48800**	**33800**	**32800**	**23100**	**31800**	**24300**	**19200**	**27800**
Lead	**1.2**	0.2 U	0.2 U	0.2 U	**0.362**	0.2 U	**4.57**	**0.989**	**6.33**
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**3130**	**2970**	**1780**	**1350**	**1700**	**2220**	**2690**	**2080**	**2070**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**6.35**	2 U	**1.32 J**	2 U	**2.36**	**2.12**	**8.3**	**4.39**	**18.9**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**8.29**	**1.42 J**	**1.14 J**	**1.06 J**	**2.74**	**1.37 J**	**14**	**6.38**	**20.3**
Zinc	**10.2**	**4.29**	**2.72 J**	**3.98 J**	**4.79 J**	**2.92 J**	**11.6**	**6.98**	**19.9**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	0.4 U	4 U	4 U	2 U	2 U	2.5 U	2.5 U	1 U
1,1,1-Trichloroethane	0.4 U	0.4 U	4 U	4 U	2 U	2 U	2.5 U	2.5 U	1 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U
1,1-Dichloroethane	0.4 U	0.4 U	4 U	4 U	2 U	2 U	2.5 U	2.5 U	1 U
1,1-Dichloroethene	0.4 U	0.4 U	0.4 U	0.2 U	0.1 U	0.5 U	0.4 U	0.5 U	1 U
1,1-Dichloropropene	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
1,2,3-Trichlorobenzene	2 U	2 U	20 U	20 U	10 U	10 U	10 U	10 U	4 U
1,2,3-Trichloropropane	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	20 U	20 U	10 U	10 U	10 U	10 U	4 U
1,2,4-Trimethylbenzene	**7.26**	**10.1**	**6.9 J**	10 U	**6**	**5.95**	**6.5**	**5**	**4.56**
1,2-Dibromo-3-chloropropane	5 U	5 U	50 U	50 U	25 U	25 U	25 U	25 U	10 U

Table 1
Laboratory Testing Results

Location ID	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-090221-10	GS-121521-14	GS-030822-06	GS-062022-16	GS-090822-08	GS-121422-06	GS-031314-29	GS-102314-91	GS-030315-07
Sample Date	9/2/2021	12/15/2021	3/8/2022	6/20/2022	9/8/2022	12/14/2022	3/13/2014	10/23/2014	3/3/2015
Depth	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7624070.282	7624070.282	7624070.282
Y	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705366.661	705366.661	705366.661
1,2-Dichlorobenzene	0.5 U	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U
1,2-Dichloroethane	0.4 U	**2.93**	4 U	4 U	2 U	**1.3 J**	2.5 U	2.5 U	1 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.4 U	0.2 U	0.1 U	0.5 U	0.4 U	0.5 U	1 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.4 U	0.2 U	0.1 U	0.5 U	0.4 U	0.5 U	1 U
1,2-Dichloropropane	0.5 U	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	**3.12**	**4.54**	10 U	10 U	**2.9 J**	**3 J**	5 U	5 U	**1.66 J**
1,3-Dichlorobenzene	0.5 U	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U
1,3-Dichloropropane	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
1,3-Dichloropropene, cis-	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
1,3-Dichloropropene, trans-	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U
2,2-Dichloropropane	1 UJ	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	100 U	100 U	50 U	50 U	50 U	50 U	20 U
4-Chlorotoluene	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	100 U	100 U	50 U	50 U	50 U	50 U	20 U
Acetone	20 U	20 U	200 U	200 U	100 U	100 U	100 U	100 U	40 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	2 U	20 U	20 U	10 U	10 U	--	--	--
Benzene	**81.9**	**263**	**1060**	**1050**	**968**	**726**	3.6 U	**2.25**	**1.48**
Bromobenzene	0.5 U	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U
Bromochloromethane	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
Bromodichloromethane	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
Bromoform (Tribromomethane)	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
Bromomethane (Methyl bromide)	5 UJ	5 U	50 U	50 U	25 UJ	25 U	25 U	25 UJ	10 U
Carbon disulfide	10 U	10 U	100 U	100 U	50 U	50 U	--	--	--
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	10 U	10 U	5 U	5 U	2.5 U	2.5 U	1 U
Chlorobenzene	0.5 U	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U
Chloroethane	5 U	5 U	50 U	50 U	25 U	25 U	25 U	25 U	10 U
Chloroform	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
Chloromethane	5 U	5 U	50 U	50 U	25 U	25 U	25 U	25 U	10 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
Dibromochloromethane	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
Dibromomethane	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
Dichlorodifluoromethane	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
Dichloromethane (Methylene chloride)	10 U	10 U	100 U	100 U	50 U	50 U	25 U	25 U	10 U
Ethylbenzene	**0.97**	**2.64**	**5.1**	**5.7**	**3**	**4.6**	**3.1**	**2 J**	**1.58**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	50 U	50 U	25 U	25 U	25 U	25 U	10 U
Isopropylbenzene (Cumene)	**3.17**	**11.7**	**8.5 J**	**6.2 J**	**6.85**	**7.3**	5 U	5 U	2 U

Table 1
Laboratory Testing Results

Location ID	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-090221-10	GS-121521-14	GS-030822-06	GS-062022-16	GS-090822-08	GS-121422-06	GS-031314-29	GS-102314-91	GS-030315-07
Sample Date	9/2/2021	12/15/2021	3/8/2022	6/20/2022	9/8/2022	12/14/2022	3/13/2014	10/23/2014	3/3/2015
Depth	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7624070.282	7624070.282	7624070.282
Y	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705366.661	705366.661	705366.661
m,p-Xylene	**1.97**	**5.79**	**5.7 J**	10 U	**2.65 J**	**3.4 J**	5 U	5 U	**1.3 J**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	100 U	100 U	50 U	50 U	50 U	50 U	20 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	**0.64 J**	10 U	10 U	5 U	5 U	5 U	5 U	2 U
n-Propylbenzene	**1.65**	**4.62**	**4.4 J**	**4.2 J**	**4.05**	**3.35**	2.5 U	2.5 U	1 U
o-Xylene	**3.1**	**8.92**	**8.6**	**4 J**	**4.65**	**6.05**	**2.25 J**	**1.8 J**	**1.34**
sec-Butylbenzene	1 U	**0.74 J**	10 U	10 U	5 U	5 U	5 U	5 U	2 U
Styrene	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
tert-Butylbenzene	1 U	1 U	10 U	10 U	5 U	5 U	5 U	5 U	2 U
Tetrachloroethene (PCE)	0.4 U	0.4 U	4 U	4 U	2 U	2 U	2.5 U	2.5 U	1 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	1 U	**1.83**	10 U	10 U	5 U	5 U	5 U	5 U	**1.12 J**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.4 U	0.2 U	0.1 U	0.5 U	0.4 U	0.5 U	1 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	20 U	20 U	10 U	10 U	10 U	10 U	4 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.2 U	0.1 U	0.5 U	0.4 U	0.5 U	1 U
Total BTEX (U = 0)	**87.94**	**282.18**	**1079.4 J**	**1059.7 J**	**978.3 J**	**740.05 J**	**5.35 J**	**6.05 J**	**6.82 J**
Total VOC (U = 0)	**103.14 J**	**317.45 J**	**1099.2 J**	**1070.1 J**	**998.1 J**	**760.95 J**	**11.85 J**	**11.05 J**	**13.04 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**28.4**	**41**	**60.7**	**69**	**78.7**	**89.2 J**	**101**	**70.1**	**106**
2-Methylnaphthalene	**3.41**	**5.49 J**	**5.09**	**4.66 J**	**6.99**	96.5 U	**84.1**	**38.5**	**69.2**
Acenaphthene	**164**	**200**	**162**	**285**	**196**	**225**	**159**	**120**	**273**
Acenaphthylene	**8.36**	**10.5**	7.78 U	**54.3**	**10.7**	**38 J**	**31.4**	**14**	**39**
Anthracene	**5.54**	**6.05**	**5.46**	**5.6**	**7.54**	48.2 U	**80.8**	**26.6**	**126**
Benzo(a)anthracene	**0.535**	**0.901 J**	**0.36**	1.88 U	**0.678**	24.1 U	**78.7**	**14.1**	**111**
Benzo(a)pyrene	0.369 U	1.72 U	**0.0908**	1.88 U	**0.376**	24.1 U	**109**	**13.9**	**123**
Benzo(b)fluoranthene	**0.24 J**	1.72 U	**0.102 J**	1.88 U	**0.359**	24.1 U	--	--	**42.5**
Benzo(b,k)fluoranthene	--	--	--	--	--	--	**127**	**16.6**	--
Benzo(g,h,i)perylene	0.738 U	3.43 U	0.0415 U	3.77 U	**0.243**	48.2 U	**90.4**	**10.6**	**103**
Benzo(j,k)fluoranthene	**0.221 J**	1.72 U	**0.084 J**	1.88 U	**0.17 J**	24.1 U	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	**141**
Carbazole	**5.96**	**10.8**	**12.7**	**15**	**24.2**	48.2 U	**40.9**	**26.8**	**35.5**
Chrysene	**0.221 J**	1.72 U	**0.287**	1.88 U	**0.558**	24.1 U	**134**	**27.2**	**175**
Dibenzo(a,h)anthracene	0.369 U	1.72 U	0.0207 U	1.88 U	0.0946 U	24.1 U	**9.72**	**1.51 J**	**11.8**
Dibenzofuran	**1.2**	**4.38**	**5.81**	**7.63**	**6.16**	48.2 U	**9**	**4.45**	**14.3 J**
Fluoranthene	**9**	**9.61**	**6.39**	**4.05**	**10.8**	48.2 U	**292**	**54.5**	**422**
Fluorene	**7.27**	**19.7**	**24.7**	**36.3**	**28**	**31.4 J**	**68.8**	**36.4**	**106**
Indeno(1,2,3-c,d)pyrene	0.369 U	1.72 U	0.0207 U	1.88 U	**0.196**	24.1 U	**75**	**9.95**	**102**
Naphthalene	**10.4**	**19**	**16.2**	**17.3**	**18**	96.5 U	**518**	**273**	**330**
Phenanthrene	**1.61**	**25.4**	**15.6**	**17.4**	**32.4**	96.5 U	**266**	**81.5**	**432**

Table 1
Laboratory Testing Results

Location ID	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	MW-53F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-090221-10	GS-121521-14	GS-030822-06	GS-062022-16	GS-090822-08	GS-121422-06	GS-031314-29	GS-102314-91	GS-030315-07
Sample Date	9/2/2021	12/15/2021	3/8/2022	6/20/2022	9/8/2022	12/14/2022	3/13/2014	10/23/2014	3/3/2015
Depth	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	3.8 - 8.6 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7623770.055	7624070.282	7624070.282	7624070.282
Y	705433.306	705433.306	705433.306	705433.306	705433.306	705433.306	705366.661	705366.661	705366.661
Pyrene	9	10.4	6.9	4.52	11.9	48.2 U	348	69.9	524
Total PAH (17) (U = 0)	219.807 J	307.051 J	243.2638 J	429.13 J	324.91 J	294.4 J	2471.92	808.26 J	3130.5
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-091815-32	GS-031716-62	GS-100416-48	GS-100517-65	GS-100918-80	GS-100819-95	GS-121819-09	GS-031220-39	GS-060920-07
Sample Date	9/18/2015	3/17/2016	10/4/2016	10/5/2017	10/9/2018	10/8/2019	12/18/2019	3/12/2020	6/9/2020
Depth	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
Conventional Parameters (mg/L)									
Cyanide	**0.268**	**0.098**	**0.212**	**0.473**	**0.303 J**	**0.274**	**0.186**	**0.238**	**0.165**
Cyanide, available	**0.0046**	**0.00666**	**0.00207**	**0.0114**	**0.00192 J**	**0.0021**	0.002 U	**0.00311**	**0.00173 J**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	**356**	**546**	**4510**	**774**	**62.8**	**65.9**	**115**	**144**	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	**0.638 J**	1 U	1 U
Arsenic	**4.82**	**4.56**	**5.99**	**5.97**	**5.82**	**5.41**	**4.49**	**5.71**	**4.72**
Barium	**79.6**	**73.4**	**129**	**93.1**	**101**	**92.3**	**85.8**	**92.8**	**87.1**
Beryllium	0.2 U	0.2 U	**0.211**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	**0.0556 J**	**0.144 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	**0.889 J**	**1.16**	**7.42**	**1.53**	1 U	1 U	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	**1.78**	**4.22**	**12.3**	**3.34**	**0.522 J**	1 U	**0.853 J**	**1.15 J**	2 U
Iron	**17500**	**18400**	**29000**	**26200**	**28000**	**23200**	**22300**	**25100**	**23700**
Lead	**0.622**	**2.62**	**5.24**	**1.41**	**0.27**	**0.196 J**	**0.291**	**0.395**	**0.106 J**
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**1320**	**1100**	**1550**	**1510**	**1780**	**1500**	**1290**	**1630**	**1390**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**3.59**	**4.34**	**21.7**	**8.2**	**2.35**	**2.6**	**1.69 J**	**2.39**	**1.59 J**
Potassium	--	--	--	--	**9270**	--	--	**8940**	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**2.59**	**5.86**	**25.3**	**6.08**	**1.27**	**1.05**	**1.13**	**1.76 J**	2 U
Zinc	**5.87**	**5.27**	**24.8**	**4.84**	4 U	4 U	4 U	4 U	**2.91 J**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	1 U	0.5 U	2.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	1 U	0.5 U	2.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	2 U	--	--	--	--	--	--	--
1,1,2-Trichloroethane	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	1 U	0.5 U	2.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	1 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloropropene	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	4 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	4 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**3.1**	**3.78**	**3.58 J**	**4.43**	**3.87**	**3.18**	**4.68**	**4.52**	**3.56**
1,2-Dibromo-3-chloropropane	10 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-091815-32	GS-031716-62	GS-100416-48	GS-100517-65	GS-100918-80	GS-100819-95	GS-121819-09	GS-031220-39	GS-060920-07
Sample Date	9/18/2015	3/17/2016	10/4/2016	10/5/2017	10/9/2018	10/8/2019	12/18/2019	3/12/2020	6/9/2020
Depth	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
1,2-Dichlorobenzene	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	1 U	0.5 U	2.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	1 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	1 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	**1.2 J**	**1.6**	5 U	**1.79**	**1.58**	**1.28**	**1.86**	**1.58**	**1.35**
1,3-Dichlorobenzene	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	2 U
1,3-Dichloropropene, cis-	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	20 UJ	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	20 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	40 U	20 U	100 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	--	--	--	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	**2.12**	**1.08**	**1.68**	**2.28**	**1.41**	**0.88**	**1.65**	**1.86**	1.49 U
Bromobenzene	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	10 UJ	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	--	10 U	--	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	2 U	1 U	5 U	1 U	1 U	1 U	1 U	2 U	1 U
Chlorobenzene	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	10 U	5 U	25 U	5 U	5 U	5 U	5 U	5 UJ	5 U
Chloroform	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	10 UJ	5 U	25 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	2 UJ	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	10 U	3 U	15 U	3 U	3 U	10 UJ	5 U	10 U	10 U
Ethylbenzene	**1.12**	**1.23**	**1.78 J**	**1.37**	**1.33**	**0.87**	**1.38**	**1.28**	**1.11**
Ethylene dibromide (1,2-Dibromoethane)	1 U	0.5 U	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	10 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	2 U	**0.585 J**	5 U	**0.66 J**	**0.533 J**	1 U	**0.607 J**	**0.547 J**	**0.6 J**

Table 1
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-091815-32	GS-031716-62	GS-100416-48	GS-100517-65	GS-100918-80	GS-100819-95	GS-121819-09	GS-031220-39	GS-060920-07
Sample Date	9/18/2015	3/17/2016	10/4/2016	10/5/2017	10/9/2018	10/8/2019	12/18/2019	3/12/2020	6/9/2020
Depth	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
m,p-Xylene	**1.28 J**	**1.33**	5 U	**2.14**	**1.35**	**1.32**	**1.57**	**1.48**	**1.33**
Methyl ethyl ketone (2-Butanone)	20 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	1 U	**0.29 J**	2.5 U	**0.33 J**	**0.304 J**	0.5 U	**0.377 J**	**0.335 J**	**0.29 J**
o-Xylene	**1.24**	**1.39**	**1.62 J**	**1.98**	**1.33**	**1.32**	**1.57**	**1.44**	**1.18**
sec-Butylbenzene	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	2 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	1 U	0.5 U	2.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	--	10 U	--	--	--	--	--	--	--
Toluene	2 U	**0.886 J**	5 U	**1.07**	**0.819 J**	**0.6 J**	**0.781 J**	**0.932 J**	**0.7 J**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	1 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	4 U	2 U	10 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	1 U	0.5 U	**0.294 J**	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	**5.76 J**	**5.916 J**	**5.08 J**	**8.84**	**6.239 J**	**4.99 J**	**6.951 J**	**6.992 J**	**4.32 J**
Total VOC (U = 0)	**10.06 J**	**12.171 J**	**8.954 J**	**16.05 J**	**12.526 J**	**9.45 J**	**14.475 J**	**13.974 J**	**10.12 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**67.6**	**81.8**	**146**	**30.5**	**84.1**	**59.7**	**72.1**	**109**	**75.2**
2-Methylnaphthalene	**30.7**	**51.4 J**	**86.2**	**1.04 J**	**41.1**	**25.4 J**	**35.9**	**57.5 J**	**40.2**
Acenaphthene	**132**	**191**	**307**	**100**	**166**	**118**	**135**	**214**	**157**
Acenaphthylene	**11.5**	35.2 U	**38.9**	**8.83**	**6.8**	**9.3 J**	**11.8**	32.8 U	**5.71 J**
Anthracene	**17.5**	**35.6**	**165**	**34.5**	**15.6**	**12.4 J**	**13.2**	**18.9 J**	**12.9**
Benzo(a)anthracene	**8.18**	**33.9**	**122**	**16.1**	**3.83**	6.63 U	**3.21**	16.4 U	**1.41 J**
Benzo(a)pyrene	**8.72**	**30.8**	**146**	**19**	**3.54**	6.63 U	**2.49**	16.4 U	**0.668 J**
Benzo(b)fluoranthene	**8.7 J**	**22.4**	**117 J**	**16.1 J**	**2.75 J**	6.63 U	**2.05**	16.4 U	**0.404 J**
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**7.81**	**22 J**	**122**	**14.9**	**2.58**	13.3 U	3.45 U	32.8 U	**0.492 J**
Benzo(j,k)fluoranthene	--	--	--	--	--	6.63 U	**0.917 J**	16.4 U	0.352 U
Benzo(k)fluoranthene	**3 J**	**11.4 J**	**53.4 J**	**6.38 J**	**1.15 J**	--	--	--	--
Carbazole	**23.9**	**25.5 J**	**53.8**	**16.9**	**28.8**	**11.1 J**	**10.3**	**18.9 J**	**19.4**
Chrysene	**11.9**	**37.4**	**231**	**34**	**4.31**	6.63 U	**3.03**	16.4 U	**0.932 J**
Dibenzo(a,h)anthracene	**0.977**	17.6 U	**13.8 J**	**1.71**	**0.348 J**	6.63 U	1.72 U	16.4 U	0.352 U
Dibenzofuran	**4.32**	35.2 U	32.4 U	**3.3**	**6.1**	13.3 U	**5.71**	32.8 U	**5.95 J**
Fluoranthene	**48.3**	**110**	**372**	**60.1**	**37.6**	**21.5**	**27.5**	**37.4**	**23.6**
Fluorene	**34.1**	**50.6**	**81.4**	**30.2**	**46.7**	**33**	**37**	**59.5**	**47**
Indeno(1,2,3-c,d)pyrene	**6.97**	**29**	**110**	**12.3**	**2.29**	6.63 U	**1.41 J**	16.4 U	0.352 U
Naphthalene	**205**	224 U	**501**	**3.53**	**136**	**70.6**	**72.2**	**121**	**61.8**
Phenanthrene	**77**	**157**	**309**	**64.8**	**85.9**	**64**	**74.7**	**119**	**83.5**

Table 1
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-091815-32	GS-031716-62	GS-100416-48	GS-100517-65	GS-100918-80	GS-100819-95	GS-121819-09	GS-031220-39	GS-060920-07
Sample Date	9/18/2015	3/17/2016	10/4/2016	10/5/2017	10/9/2018	10/8/2019	12/18/2019	3/12/2020	6/9/2020
Depth	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
Pyrene	64.5	126	427	67.9	40.1	21.8	29.4	45.2	24.9
Total PAH (17) (U = 0)	676.857 J	908.5 J	3202.7 J	491.39 J	596.598 J	376 J	449.807 J	672.5 J	460.516 J
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-102920-108	GS-120820-03	GS-031521-42	GS-060821-08	GS-090721-18	GS-121521-18	GS-031022-17	GS-061522-07	GS-101022-120
Sample Date	10/29/2020	12/8/2020	3/15/2021	6/8/2021	9/7/2021	12/15/2021	3/10/2022	6/15/2022	10/10/2022
Depth	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
Conventional Parameters (mg/L)									
Cyanide	**0.484**	**0.315**	**0.267**	**0.346**	**0.84**	**0.183**	**0.172**	**0.196**	**0.589**
Cyanide, available	**0.0113**	0.002 UJ	**0.00372**	**0.00342**	**0.00313**	**0.00259 J**	**0.00273**	**0.00469**	**0.00336**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	**76.7**	50 U	**29.8 J**	50 U	**538**	50 U	**68.3**	50 U	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	**5.78**	**5.65**	**6.61**	**5.45**	**6.49**	**4.42**	**5.63**	**5.15**	**6.18**
Barium	**95.2**	**98**	**94.2**	**94.6**	**104**	**82.1**	**88.5**	**83.9**	**94.6**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	2 U	**1.03 J**	2 U	2 U	2 U	2 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	**1.62 J**	2 U	2 U	2 U	2 U
Iron	**25900**	**25400**	**29400**	**25500**	**24900**	**22400**	**22700**	**22100**	**25900**
Lead	**0.181 J**	0.2 U	**0.115 J**	**0.156 J**	**1.02**	0.2 U	**0.182 J**	**0.126 J**	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**1790**	**1740**	**1770**	**1770**	**1910**	**1510**	**1330**	**1390**	**1770**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	**0.0601 J**
Nickel	**2.37**	2 U	**2.49**	**1.02 J**	**5.67**	2 U	**1.91 J**	2 U	**2.28**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**1.45 J**	2 U	**1.03 J**	2 U	**3.66**	2 U	2 U	2 U	2 U
Zinc	4 U	**2 J**	**3.15 J**	**2.25 J**	**3.98 J**	**2.57 J**	4 U	**3.32 J**	**4.33**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	1 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	0.4 U	1 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**3.29**	**6.72**	**6.61**	**10.8**	**4.49**	**9.26 J**	**2.23**	**7.07**	**4.51**
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-102920-108	GS-120820-03	GS-031521-42	GS-060821-08	GS-090721-18	GS-121521-18	GS-031022-17	GS-061522-07	GS-101022-120
Sample Date	10/29/2020	12/8/2020	3/15/2021	6/8/2021	9/7/2021	12/15/2021	3/10/2022	6/15/2022	10/10/2022
Depth	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	**1.33**	**2.64**	**2.45**	**3.65**	**1.66**	**3.2**	**0.91 J**	**2.45**	**1.75**
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	2 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	**0.88**	**6.9**	**1.56**	**4.81**	**1.08**	**2.74**	**0.91**	**2.53**	**1.2**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	**0.6 J**	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	**0.84**	**1.82**	**1.41**	**2.16**	**1**	**1.93**	**0.6**	**1.28**	**0.99**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	4 U	**0.92 J**	**0.785 J**	**1.21**	**0.584 J**	**0.926 J**	1 U	**1.19**	**0.6 J**

Table 1
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-102920-108	GS-120820-03	GS-031521-42	GS-060821-08	GS-090721-18	GS-121521-18	GS-031022-17	GS-061522-07	GS-101022-120
Sample Date	10/29/2020	12/8/2020	3/15/2021	6/8/2021	9/7/2021	12/15/2021	3/10/2022	6/15/2022	10/10/2022
Depth	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
m,p-Xylene	**1.23**	**2.12**	**1.73**	**2.89**	**1.55**	**2.46**	**0.97 J**	**2.04**	**1.58**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.52 J**	1 U
n-Propylbenzene	**0.28 J**	**0.42 J**	**0.41 J**	**0.67**	**0.279 J**	**0.477 J**	0.5 U	**0.97**	**0.36 J**
o-Xylene	**1.38**	**2.32**	**1.81**	**2.74**	**1.56**	**2.22**	**1.01**	**2.09**	**1.48**
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	0.4 U	1 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**0.58 J**	**0.84 J**	**0.755 J**	**1.2**	**0.686 J**	**1.06**	**0.56 J**	**0.74 J**	**1**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	**4.91 J**	**14 J**	**7.265 J**	**13.8**	**5.876 J**	**10.41**	**4.05 J**	**8.68 J**	**6.25**
Total VOC (U = 0)	**9.81 J**	**24.7 J**	**17.52 J**	**30.73 J**	**12.889 J**	**24.273 J**	**7.19 J**	**20.88 J**	**13.47 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**59.1**	**71.1**	**75.3**	**103**	**47.9**	**63**	**42.6**	**73.9**	**54**
2-Methylnaphthalene	**25.3**	**37.9**	**38.6**	**64.6**	**21.8**	**36.3**	**16.6**	**41.7**	**26.7**
Acenaphthene	**149**	**125**	**156**	**195**	**132**	**164**	**114**	**162**	**139**
Acenaphthylene	**6.76**	5.29 U	**7**	7.57 U	**8.74**	7.52 U	**8.65**	**20.6**	**9.26**
Anthracene	**12.7**	**10.3**	**11.9**	**13.6**	**11.9**	**8.32**	**10.1**	**8.78**	**9.35**
Benzo(a)anthracene	**0.676**	**0.635**	**0.948**	**1.36**	**1.4 J**	2.01 U	**0.661**	1.98 U	**0.639**
Benzo(a)pyrene	**0.152**	**0.164 J**	**0.436 J**	**0.891**	2.07 U	2.01 U	0.218 U	1.98 U	0.448 U
Benzo(b)fluoranthene	**0.107**	**0.138 J**	**0.277**	**0.572 J**	2.07 U	2.01 U	**0.126 J**	1.98 U	0.448 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.181 U	0.424 U	**0.231 J**	1.35 U	4.14 U	4.01 U	0.437 U	3.97 U	0.897 U
Benzo(j,k)fluoranthene	**0.068 J**	0.212 U	**0.13 J**	**0.387 J**	2.07 U	2.01 U	0.218 U	1.98 U	0.448 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	**17.4**	**18**	**23.5**	**14.1**	**9.31**	**11.9**	**10.2**	**7.29**	**12.2**
Chrysene	**0.469**	**0.424**	**0.671**	**1.01**	2.07 U	2.01 U	**0.47**	1.98 U	**0.448**
Dibenzo(a,h)anthracene	0.0907 U	0.212 U	0.168 U	0.673 U	2.07 U	2.01 U	0.218 U	1.98 U	0.448 U
Dibenzofuran	**5.22**	**4.99**	**5.67**	**7.08**	**4.4**	**5.76**	**4.53**	**5.71**	**5.12**
Fluoranthene	**23.7**	**20.5**	**22.9**	**22.9**	**21.3**	**16**	**21.4**	**16.9**	**16.6**
Fluorene	**39.8**	**39**	**44.4**	**50.5**	**33.8**	**40.7**	**38.4**	**37**	**36.8**
Indeno(1,2,3-c,d)pyrene	0.0907 U	0.212 U	**0.147 J**	0.673 U	2.07 U	2.01 U	0.218 U	1.98 U	0.448 U
Naphthalene	**45.7**	**46.4**	**52.1**	**107**	**31.4**	**52.6**	**17.5**	**48.2**	**18.4**
Phenanthrene	**60.3**	**60.2**	**76.3**	**88.1**	**61.2**	**73.5**	**55.4**	**73.4**	**57.8**

Table 1
Laboratory Testing Results

Location ID	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F	OW-5F
sys_sample_code	GS-102920-108	GS-120820-03	GS-031521-42	GS-060821-08	GS-090721-18	GS-121521-18	GS-031022-17	GS-061522-07	GS-101022-120
Sample Date	10/29/2020	12/8/2020	3/15/2021	6/8/2021	9/7/2021	12/15/2021	3/10/2022	6/15/2022	10/10/2022
Depth	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft	28.5 - 33.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282	7624070.282
Y	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661	705366.661
Pyrene	23.6	20.8	24.1	24.2	23.3	16.3	21.9	17.7	17.1
Total PAH (17) (U = 0)	388.332 J	361.461 J	436.14 J	570.12 J	346.84 J	407.72	305.207 J	426.28	332.097
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	OW-5F	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17
sys_sample_code	GS-121522-09	GS-031214-21	GS-102214-80	GS-031715-61	GS-091815-30	GS-032116-72	GS-101916-88	GS-100417-60	GS-092618-71
Sample Date	12/15/2022	3/12/2014	10/22/2014	3/17/2015	9/18/2015	3/21/2016	10/19/2016	10/4/2017	9/26/2018
Depth	28.5 - 33.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29
Y	705366.661	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
Conventional Parameters (mg/L)									
Cyanide	**0.284**	**0.028**	**0.0391**	**0.0145**	**0.0234**	**0.0164**	**0.0166**	**0.0142**	**0.0176**
Cyanide, available	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	**165**	**34.6 J**	50 U	50 U	50 U	450 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	2 U	1 U	9 U
Arsenic	**5.49**	**1.13**	**1.08**	**0.556 J**	1 U	1 U	1 U	**0.856 J**	9 U
Barium	**101**	**44.2**	**38.7**	**32.7**	**44**	**30.8**	**29.1**	**40**	**413**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.8 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.8 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	2 U	**0.567 J**	1 U	1 U	1 U	1 U	1 U	1 U	9 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	1 U	**8.09**	**1.23 J**	1 U	1 U	1 U	1 U	9 U
Iron	**24700**	**15300**	**11500**	**8760**	**16200**	**11600**	**11100**	**17100**	**192000**
Lead	0.2 U	0.2 U	**0.189 J**	**0.456**	0.2 U	0.2 U	0.2 U	0.2 U	1.8 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**1500**	**1630**	**1450**	**673**	**2030**	**1450**	**1250**	**1930**	**21100**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.72 U
Nickel	**2**	**4.48**	**0.944 J**	**5.9**	1 U	**2.11**	**2.61**	**1.52**	9 U
Potassium	--	--	--	--	--	--	--	--	**20400**
Selenium	1 U	1 U	**0.611 J**	1 U	1 U	1 U	1 U	1 U	9 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.8 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.8 U
Vanadium	2 U	**2.5**	**1.46**	**11.6**	**1.28**	**1.31**	**2.1**	**1.59**	**11.9**
Zinc	**3.09 J**	4 U	**5.87**	**4.76**	**2.83 J**	**4.49**	**2.02 J**	**3.1 J**	**41.6**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,1,1-Trichloroethane	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.265 J**	**0.306 J**
1,1-Dichloroethene	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**2.56**	1 U	1 U	1 U	**5.57**	1 U	**1.57**	**7.78**	**4.49**
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	OW-5F	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17
sys_sample_code	GS-121522-09	GS-031214-21	GS-102214-80	GS-031715-61	GS-091815-30	GS-032116-72	GS-101916-88	GS-100417-60	GS-092618-71
Sample Date	12/15/2022	3/12/2014	10/22/2014	3/17/2015	9/18/2015	3/21/2016	10/19/2016	10/4/2017	9/26/2018
Depth	28.5 - 33.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29
Y	705366.661	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,2-Dichloroethene, cis-	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	**1.12**	1 U	1 U	1 U	**2**	1 U	**0.88 J**	**4.07**	**1.78**
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	--	--	--	--	--	--	2 U	2 U
Benzene	**0.86**	**0.17 J**	0.25 U	**1.09**	**1.38**	0.2 U	**33.2**	**102**	**2.98**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 U	5 U	5 U
Carbon disulfide	10 U	--	--	--	--	--	--	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	1 U	0.5 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	10 U	5 U	5 U	5 U	5 U	3 U	3 U	3 U	3 U
Ethylbenzene	**0.79**	0.5 U	0.5 U	0.5 U	**0.27 J**	0.5 U	**0.26 J**	**1.23**	**0.317 J**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	1 U	**2.36**	**1.75**	1 U	**12.3**	**1.35**	**5.63**	**13.8**	**14.8**

Table 1
Laboratory Testing Results

Location ID	OW-5F	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17
sys_sample_code	GS-121522-09	GS-031214-21	GS-102214-80	GS-031715-61	GS-091815-30	GS-032116-72	GS-101916-88	GS-100417-60	GS-092618-71
Sample Date	12/15/2022	3/12/2014	10/22/2014	3/17/2015	9/18/2015	3/21/2016	10/19/2016	10/4/2017	9/26/2018
Depth	28.5 - 33.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29
Y	705366.661	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
m,p-Xylene	**1.13**	**0.78 J**	**0.5 J**	1 U	**4.46**	1 U	**1.85**	**6.08**	**6.76**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	**0.25 J**	**1.01**	**0.55**	0.5 U	**4.19**	**0.3 J**	**1.61**	**5.6**	**4.53**
o-Xylene	**0.96**	**0.38 J**	0.5 U	0.5 U	**2.11**	0.5 U	**1.2**	**3.2**	**2.16**
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.652 J**	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**0.75 J**	1 U	1 U	1 U	1 U	1 U	1 U	**0.55 J**	1 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U
Total BTEX (U = 0)	**4.49 J**	**1.33 J**	**0.5 J**	**1.09**	**8.22 J**	1 U	**36.51 J**	**113.06 J**	**12.217 J**
Total VOC (U = 0)	**8.42 J**	**4.7 J**	**2.8 J**	**1.09**	**32.28 J**	**1.65 J**	**46.2 J**	**145.227 J**	**38.123 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**48.7**	**7.95**	**11.7**	**1.29**	**30.1**	**2.12 J**	**17.9**	**81.1**	**72.4**
2-Methylnaphthalene	**20.8**	**0.485 J**	**1.48**	**0.245**	**4.92**	**0.447 J**	2.78 U	**5.82**	**3.64**
Acenaphthene	**114**	**35.2**	**44.2**	**20.4**	**83.5**	**45.3**	**57.3**	**71.2**	**65.9**
Acenaphthylene	**15.4**	**0.514**	**1.58**	**0.583**	**4.65**	**1.5**	**2.89**	**1.95**	**1.35**
Anthracene	**11.3**	**0.653**	**1.3**	**0.577**	**1.7**	**1.21**	**1.17 J**	**1.55**	**1.51**
Benzo(a)anthracene	**1.04 J**	0.381 U	0.357 U	**0.0856**	0.681 U	**0.114 J**	0.696 U	**0.0943**	**0.0692 J**
Benzo(a)pyrene	1.81 U	0.381 U	0.357 U	**0.0827**	0.681 U	0.175 U	0.696 U	**0.0334**	**0.0129 J**
Benzo(b)fluoranthene	1.81 U	0.381 U	0.357 U	**0.0687**	0.681 U	0.175 U	0.696 U	**0.0381 J**	**0.0115 J**
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	3.61 U	0.381 U	0.714 U	**0.0831**	1.36 U	0.351 U	1.39 U	**0.0189 J**	0.0343 U
Benzo(j,k)fluoranthene	1.81 U	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	0.381 U	0.357 U	**0.0206**	0.681 U	0.175 U	0.696 U	**0.0358 J**	**0.0165 J**
Carbazole	**9.35**	0.381 U	0.714 U	**0.0889**	1.36 U	0.351 U	1.39 U	**0.0872**	**0.0844**
Chrysene	1.81 U	0.381 U	0.357 U	**0.0736**	0.681 U	0.175 U	0.696 U	**0.0727**	**0.0417 J**
Dibenzo(a,h)anthracene	1.81 U	0.381 U	0.357 U	0.0165 U	0.681 U	0.175 U	0.696 U	**0.0153 J**	0.0172 U
Dibenzofuran	**4.65**	0.381 U	0.714 U	**0.158**	1.36 U	0.351 U	1.39 U	**0.202**	**0.242**
Fluoranthene	**19.5**	**3.09**	**4.31**	**2.24**	**4.66**	**3.35**	**4.33**	**4.51**	**4.12**
Fluorene	**34**	**0.887**	**1.63**	**0.27**	**1.36**	**0.745**	**1.98**	**1.85**	**4.01**
Indeno(1,2,3-c,d)pyrene	1.81 U	0.381 U	0.357 U	**0.0625**	0.681 U	0.175 U	0.696 U	**0.02**	0.0172 U
Naphthalene	**15.7**	0.762 U	**1.96**	**1.08**	**2.26 J**	**0.969**	**1.84 J**	**3.34**	**0.787 J**
Phenanthrene	**59.7**	**0.638**	**1.12 J**	**0.385**	**1.67 J**	**0.447 J**	2.78 U	**0.587**	**0.941**

Table 1
Laboratory Testing Results

Location ID	OW-5F	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17
sys_sample_code	GS-121522-09	GS-031214-21	GS-102214-80	GS-031715-61	GS-091815-30	GS-032116-72	GS-101916-88	GS-100417-60	GS-092618-71
Sample Date	12/15/2022	3/12/2014	10/22/2014	3/17/2015	9/18/2015	3/21/2016	10/19/2016	10/4/2017	9/26/2018
Depth	28.5 - 33.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7624070.282	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29
Y	705366.661	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
Pyrene	21.1	2.68	4.06	2.1	4.24	2.81	3.67	3.93	3.44
Total PAH (17) (U = 0)	312.54 J	44.147 J	61.64 J	28.3568	108.96 J	56.892 J	73.18 J	95.0655 J	85.8498 J
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17
sys_sample_code	GS-091119-10	GS-121819-10	GS-031220-44	GS-060920-05	GS-092320-07	GS-120820-01	GS-030421-08	GS-060821-12	GS-090821-22
Sample Date	9/11/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020	12/8/2020	3/4/2021	6/8/2021	9/8/2021
Depth	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
Conventional Parameters (mg/L)									
Cyanide	**0.0492**	**0.0559**	**0.0472**	**0.0564**	**0.0452**	**0.0797**	**0.0542**	**0.0462**	**0.0829**
Cyanide, available	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U	0.002 U
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	**77.6**	50 U	50 U	50 U	**34.9 J**	**10200**
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.19**
Arsenic	**0.863 J**	**0.705 J**	**0.73 J**	**0.94 J**	**1.31**	**1.98**	**6.87**	1 U	**6.62**
Barium	**34.3**	**29.6**	**40.6**	**35.9**	**35.3**	**44.4**	**128**	**63.7**	**404**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**1.01**
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	**0.109 J**	0.2 U	0.2 U	0.2 U	**0.364**
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	**47.7**
Cobalt	--	--	--	--	--	--	--	--	--
Copper	1 U	1 U	2 U	2 U	**3.85**	2 U	2 U	2 U	**42.2**
Iron	**15100**	**12000**	**15500**	**16200**	**13900**	**17800**	**58200**	**27800**	**227000**
Lead	0.2 U	0.2 U	0.2 U	**0.201**	**0.96**	0.2 U	0.2 U	0.2 U	**36.1**
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**1750**	**1470**	**1820**	**1940**	**1490**	**2040**	**4570**	**3050**	**8730**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	**0.0406 J**
Nickel	**3.37**	**4.94 J**	**11.2**	**7.12**	**3.29**	**3.4**	**13.1**	**2.55**	**171**
Potassium	--	--	**2350**	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.101 J**
Vanadium	**1.76**	**1.82**	**3.05**	**2.73**	**4.55**	**2.87**	**4.23**	**3.32**	**535**
Zinc	**4.62**	**3.11 J**	**3.75 J**	**4.82**	**31.4**	4 U	**2.42 J**	4 U	**160 J**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	0.4 U	8 U	0.8 U	0.4 U	4 U	20 U	20 U	4 U
1,1,1-Trichloroethane	0.4 U	0.4 U	8 U	0.8 U	0.4 U	4 U	20 U	20 U	4 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U	5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U	5 U
1,1-Dichloroethane	0.4 U	0.4 U	8 U	0.8 U	0.4 U	4 U	20 U	20 U	4 U
1,1-Dichloroethene	0.4 U	0.4 U	0.5 U	0.4 U	0.4 U	4 U	20 U	0.5 U	0.4 U
1,1-Dichloropropene	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
1,2,3-Trichlorobenzene	2 U	2 U	40 U	4 U	2 U	20 U	100 U	100 U	20 U
1,2,3-Trichloropropane	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	40 U	4 U	2 U	20 U	100 U	100 U	20 U
1,2,4-Trimethylbenzene	1 U	**3.31**	**10.4 J**	**3.42**	**2.57**	**8.08 J**	50 U	50 U	**9.86 J**
1,2-Dibromo-3-chloropropane	5 U	5 U	100 U	10 U	5 U	50 U	250 U	250 U	50 U

Table 1
Laboratory Testing Results

Location ID	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17
sys_sample_code	GS-091119-10	GS-121819-10	GS-031220-44	GS-060920-05	GS-092320-07	GS-120820-01	GS-030421-08	GS-060821-12	GS-090821-22
Sample Date	9/11/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020	12/8/2020	3/4/2021	6/8/2021	9/8/2021
Depth	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
1,2-Dichlorobenzene	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U	5 U
1,2-Dichloroethane	0.4 U	0.4 U	8 U	0.8 U	0.4 U	4 U	20 U	20 U	4 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.5 U	0.4 U	0.4 U	4 U	20 U	0.5 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.5 U	0.4 U	0.4 U	4 U	20 U	0.5 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U	5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	**0.824 J**	20 U	2 U	**0.567 J**	10 U	50 U	50 U	10 U
1,3-Dichlorobenzene	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U	5 U
1,3-Dichloropropane	1 U	1 U	20 U	4 U	1 U	10 U	50 U	50 U	10 U
1,3-Dichloropropene, cis-	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
1,3-Dichloropropene, trans-	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	20 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U	5 U
2,2-Dichloropropane	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	200 U	20 U	10 U	100 U	500 U	500 U	100 U
4-Chlorotoluene	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	200 U	20 U	10 U	100 U	500 U	500 U	100 U
Acetone	20 U	20 U	400 U	40 U	20 U	200 U	1000 U	1000 U	200 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	2 U	40 U	4 U	2 U	20 U	100 U	100 U	20 U
Benzene	**545**	**873**	**2240**	**307**	**97.4**	**1170**	**2370**	**2230**	**2400**
Bromobenzene	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U	5 U
Bromochloromethane	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
Bromodichloromethane	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
Bromoform (Tribromomethane)	1 U	1 U	20 U	2 U	1 U	20 U	50 U	50 U	10 U
Bromomethane (Methyl bromide)	5 U	5 U	100 U	10 U	5 U	50 U	250 UJ	250 U	50 U
Carbon disulfide	10 U	10 U	200 U	20 U	10 U	100 U	500 U	500 U	100 U
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	40 U	2 U	1 U	10 U	50 U	50 U	10 U
Chlorobenzene	0.5 U	0.5 U	10 U	1 U	0.5 U	5 U	25 U	25 U	5 U
Chloroethane	5 U	5 U	100 UJ	10 U	5 U	50 U	250 U	250 U	50 U
Chloroform	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
Chloromethane	5 U	5 U	100 U	10 U	5 U	50 U	250 U	250 U	50 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
Dibromochloromethane	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
Dibromomethane	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
Dichlorodifluoromethane	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
Dichloromethane (Methylene chloride)	5 U	5 U	200 U	20 U	10 U	100 U	500 U	500 U	100 U
Ethylbenzene	**3.43**	**60.5**	**95.8**	**21.3**	**14.3**	**61**	**45.5**	**42**	**10.6**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	10 U	1 U	0.5 U	10 U	25 U	25 U	5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	100 U	10 U	5 U	50 U	250 U	250 U	50 U
Isopropylbenzene (Cumene)	**1.89**	**3.86**	20 U	**2.1**	**2.14**	**5.41 J**	50 U	50 U	10 U

Table 1
Laboratory Testing Results

Location ID	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17
sys_sample_code	GS-091119-10	GS-121819-10	GS-031220-44	GS-060920-05	GS-092320-07	GS-120820-01	GS-030421-08	GS-060821-12	GS-090821-22
Sample Date	9/11/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020	12/8/2020	3/4/2021	6/8/2021	9/8/2021
Depth	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
m,p-Xylene	**3.07**	**60.6**	**61**	**11.6**	**10.8**	**59.6**	**42 J**	**65.3**	**31.2**
Methyl ethyl ketone (2-Butanone)	10 U	10 U	200 U	20 U	10 U	100 U	500 U	500 U	100 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	**23**	2 U	1 U	10 U	50 U	50 U	10 U
n-Propylbenzene	**0.774**	**1.34**	10 U	**0.52 J**	**0.787**	5 U	25 U	25 U	5 U
o-Xylene	**2.12**	**47.2**	**80.7**	**16.8**	**6.69**	**24.7**	**23.5 J**	**24.4 J**	**4.24 J**
sec-Butylbenzene	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
Styrene	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
tert-Butylbenzene	1 U	1 U	20 U	2 U	1 U	10 U	50 U	50 U	10 U
Tetrachloroethene (PCE)	0.4 U	0.4 U	8 U	0.8 U	0.4 U	4 U	20 U	20 U	4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	**2.4**	**8.8**	**10.9 J**	**1.46 J**	**0.618 J**	10 U	50 U	50 U	10 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.5 U	0.4 U	0.4 U	4 U	20 U	0.5 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	40 U	4 U	2 U	20 U	100 U	100 U	20 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.5 U	0.4 U	0.4 U	4 U	20 U	0.5 U	0.4 U
Total BTEX (U = 0)	**556.02**	**1050.1**	**2488.4 J**	**358.16 J**	**129.808 J**	**1315.3**	**2481 J**	**2361.7 J**	**2446.04 J**
Total VOC (U = 0)	**558.684**	**1059.434 J**	**2521.8 J**	**364.2 J**	**135.872 J**	**1328.79 J**	**2481 J**	**2361.7 J**	**2455.9 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**22.8**	**24.1 J**	**26.8**	**22**	**20.8**	**21.9**	**38.2**	**24.3**	**26.3**
2-Methylnaphthalene	**2.85**	**1.86 J**	6.41 U	**2.38 J**	**3.67**	**2.53**	**6.42**	**3.92**	**4.33 J**
Acenaphthene	**48.9**	**44.9**	**45.9**	**43.7**	**45.6**	**47.6**	**63.2**	**60**	**70.2**
Acenaphthylene	**1.85**	**2.23 J**	**4.4**	**1.81**	**2.78**	1.47 U	**2.5**	**2.62**	**3.65 J**
Anthracene	**1.32**	**1.25 J**	3.2 U	**1.26 J**	**1.59**	**1.35**	**1.65**	**1.63**	4.23 U
Benzo(a)anthracene	0.647 U	**0.125 J**	1.6 U	0.689 U	**0.161 J**	**0.112 J**	0.757 U	0.685 U	2.11 U
Benzo(a)pyrene	0.647 U	0.0641 U	1.6 U	0.689 U	0.322 U	0.196 U	0.757 U	0.685 U	2.11 U
Benzo(b)fluoranthene	0.647 U	0.0641 U	1.6 U	0.689 U	0.322 U	0.196 U	0.757 U	0.685 U	2.11 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	1.29 U	0.128 U	3.2 U	1.38 U	0.644 U	0.391 U	1.51 U	1.37 U	4.23 U
Benzo(j,k)fluoranthene	0.647 U	0.0641 U	1.6 U	0.689 U	0.322 U	0.196 U	0.757 U	0.685 U	2.11 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--	--
Carbazole	1.29 U	0.128 U	3.2 U	1.38 U	**0.427 J**	**0.401**	**0.947 J**	**0.857 J**	4.23 U
Chrysene	0.647 U	**0.0766 J**	1.6 U	0.689 U	0.322 U	0.196 U	0.757 U	0.685 U	2.11 U
Dibenzo(a,h)anthracene	0.647 U	0.0641 U	1.6 U	0.689 U	0.322 U	0.196 U	0.757 U	0.685 U	2.11 U
Dibenzofuran	1.29 U	**0.418 J**	3.2 U	1.38 U	0.644 U	0.391 U	1.51 U	1.37 U	4.23 U
Fluoranthene	**4.64**	**3.69 J**	**2.3 J**	**2.95**	**6.1**	**3.88**	**3.5**	**4.22**	**3.38 J**
Fluorene	**1.63**	**1.88 J**	**2.23 J**	**1.71**	**2.02**	**1.82**	**2.56**	**2.38**	**3.28 J**
Indeno(1,2,3-c,d)pyrene	0.647 U	0.0641 U	1.6 U	0.689 U	0.322 U	0.196 U	0.757 U	0.685 U	2.11 U
Naphthalene	2.59 U	**25.7 J**	**501**	**175**	**87.1**	**89.2**	**274**	**274**	**330**
Phenanthrene	**1.65 J**	**1.24 J**	6.41 U	2.76 U	**1.77**	**1.07**	**1.65 J**	2.74 U	8.45 U

Table 1
Laboratory Testing Results

Location ID	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17
sys_sample_code	GS-091119-10	GS-121819-10	GS-031220-44	GS-060920-05	GS-092320-07	GS-120820-01	GS-030421-08	GS-060821-12	GS-090821-22
Sample Date	9/11/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020	12/8/2020	3/4/2021	6/8/2021	9/8/2021
Depth	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81	705593.81
Pyrene	3.99	3.01 J	2.07 J	2.45	5.34	3.28	2.95	3.48	3.01 J
Total PAH (17) (U = 0)	66.83 J	85.9616 J	557.9 J	231.26 J	156.131 J	150.842 J	358.43 J	352.25	417.85 J
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-8-15	OW-8-15	OW-8-15	OW-8-15
sys_sample_code	GS-121521-16	GS-032122-38	GS-061622-09	GS-101122-122	GS-121522-11	GS-031214-17	GS-102214-81	GS-031715-57	GS-032116-73
Sample Date	12/15/2021	3/21/2022	6/16/2022	10/11/2022	12/15/2022	3/12/2014	10/22/2014	3/17/2015	3/21/2016
Depth	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623600.35	7623600.35	7623600.35	7623600.35
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705685.36	705685.36	705685.36	705685.36
Conventional Parameters (mg/L)									
Cyanide	**0.0129**	**0.0145**	**0.111**	**0.0281**	**0.0175**	**0.113**	**0.0597**	**0.0493**	**0.0251**
Cyanide, available	0.002 UJ	0.002 U	**0.00228**	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 UJ
Metals (µg/L)									
Aluminum	**34.2 J**	**197**	**141**	**190**	**327**	**88.2**	50 U	50 U	50 U
Antimony	1 U	1 U	**0.593 J**	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	1 U	1 U	1 U	**1.97**	**0.716 J**	1 U	**1.22**	**0.644 J**	1 U
Barium	**26.7**	**17.9**	**24.3**	**112**	**125**	**24.9**	**42**	**50.1**	**26.2**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	2 U	2 U	2 U	2 U	2 U	**0.756 J**	1 U	1 U	**0.956 J**
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	2 U	**1.03 J**	2 U	**1.45 J**	**2.56**	1 U	**0.878 J**	**1.13**
Iron	**777**	**2570**	**613**	**37500**	**29700**	**677**	**17900**	**10700**	**6040**
Lead	0.2 U	**0.283**	**0.208**	**0.255**	**0.763**	**0.2**	0.2 U	**0.189 J**	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**171**	**324**	**169**	**4020**	**3910**	**91.6**	**1530**	**891**	**456**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**14.3**	**16.7**	**14.5**	**6.44**	**48.5**	**22.5**	**3.68**	**4.81**	**4.67**
Potassium	--	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**73.6**	**23.5**	**83.2**	**15.4**	**32**	**11.6**	**1.1**	**1.14**	**2.36**
Zinc	**6.17**	**5.67**	**5.02**	**7.26**	**10.8**	**2.48 J**	**4.86**	**2.24 J**	**6.37**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	**1.67**	1 U	1 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-8-15	OW-8-15	OW-8-15	OW-8-15
sys_sample_code	GS-121521-16	GS-032122-38	GS-061622-09	GS-101122-122	GS-121522-11	GS-031214-17	GS-102214-81	GS-031715-57	GS-032116-73
Sample Date	12/15/2021	3/21/2022	6/16/2022	10/11/2022	12/15/2022	3/12/2014	10/22/2014	3/17/2015	3/21/2016
Depth	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623600.35	7623600.35	7623600.35	7623600.35
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705685.36	705685.36	705685.36	705685.36
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	1 U	1 U	1 U	1 U	1 U	**0.52 J**	1 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	--	--	--	--
Benzene	**0.44**	0.2 U	0.2 U	**0.43**	**0.11 J**	0.25 U	**0.38**	**13.6**	**0.15 J**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	5 UJ
Carbon disulfide	10 U	10 U	10 U	10 U	10 U	--	--	--	--
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	1 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	10 U	10 U	10 U	10 U	10 U	5 U	5 U	5 U	3 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.32 J**	0.5 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	**1.56**	**0.55 J**	1 U	**9.36**	**1.34**	**0.6 J**

Table 1
Laboratory Testing Results

Location ID	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-8-15	OW-8-15	OW-8-15	OW-8-15
sys_sample_code	GS-121521-16	GS-032122-38	GS-061622-09	GS-101122-122	GS-121522-11	GS-031214-17	GS-102214-81	GS-031715-57	GS-032116-73
Sample Date	12/15/2021	3/21/2022	6/16/2022	10/11/2022	12/15/2022	3/12/2014	10/22/2014	3/17/2015	3/21/2016
Depth	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623600.35	7623600.35	7623600.35	7623600.35
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705685.36	705685.36	705685.36	705685.36
m,p-Xylene	1 U	1 U	1 U	1 U	1 U	1 U	**1.7**	1 U	1 U
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	**0.5 J**	1 U	1 U
n-Propylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**3.55**	**0.56**	**0.3 J**
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	**0.67**	0.5 U	0.5 U
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	**0.84 J**	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U
Total BTEX (U = 0)	**0.44**	1 U	1 U	**0.43**	**0.11 J**	1 U	**3.07 J**	**13.6**	**0.15 J**
Total VOC (U = 0)	**0.44 J**	20 U	20 U	**1.99**	**0.66 J**	20 U	**19.51 J**	**15.5**	**1.05 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**0.628**	**0.335**	**0.186**	**1.24 J**	9.22 U	0.0381 U	**1.92**	**0.261**	**0.353 J**
2-Methylnaphthalene	**0.0652 J**	0.088 U	0.0699 U	1.66 U	9.22 U	0.0381 U	**0.238**	**0.0334 J**	**0.0493 J**
Acenaphthene	**3.87**	**4.97**	**1.97**	**41.4**	**34.9**	**0.0351**	**20.9**	**14.1**	**5.02**
Acenaphthylene	**0.173**	**0.321**	**0.233**	**2.59**	**5.02**	**0.0462**	**1.09**	**0.346**	0.292 U
Anthracene	**0.147**	**0.171**	**0.178**	**0.942**	4.61 U	**0.095**	**0.851**	**0.317**	**0.365**
Benzo(a)anthracene	**0.0152 J**	**0.0115 J**	0.0175 U	0.414 U	2.31 U	**0.0104 J**	**0.0371**	**0.0118 J**	0.0183 U
Benzo(a)pyrene	**0.0196**	0.022 U	**0.0127 J**	0.414 U	2.31 U	**0.011 J**	0.025 U	0.0157 U	0.0183 U
Benzo(b)fluoranthene	**0.0182**	0.022 U	**0.0131 J**	0.414 U	2.31 U	--	0.0278 U	0.0157 U	0.0183 U
Benzo(b,k)fluoranthene	--	--	--	--	--	**0.0211 J**	--	--	--
Benzo(g,h,i)perylene	**0.0295 J**	0.044 U	**0.0367**	0.828 U	4.61 U	**0.027**	0.0371 U	0.0314 U	0.0365 U
Benzo(j,k)fluoranthene	**0.0109 J**	0.022 U	0.0175 U	0.414 U	2.31 U	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	0.0371 U	0.0157 U	**0.01 J**
Carbazole	**0.0643**	**0.0764**	**0.0319 J**	0.828 U	4.61 U	0.019 U	0.0556 U	0.0314 U	0.0365 U
Chrysene	0.0174 U	0.022 U	0.0175 U	0.414 U	2.31 U	0.019 U	0.0324 U	**0.0126 J**	0.0183 U
Dibenzo(a,h)anthracene	0.0174 U	0.022 U	0.0175 U	0.414 U	2.31 U	0.019 U	0.0185 U	0.0157 U	0.0183 U
Dibenzofuran	0.0348 U	**0.0346 J**	0.0349 U	0.828 U	4.61 U	0.019 U	0.0371 U	0.0314 U	0.073 U
Fluoranthene	**0.306**	**0.407**	**0.165**	**2.78**	**2.54 J**	0.019 U	**0.249**	**0.147**	**0.185**
Fluorene	**0.192**	**0.239**	**0.104**	**1.9**	4.61 U	0.019 U	**2.01**	**1.32**	**0.891**
Indeno(1,2,3-c,d)pyrene	**0.0182**	0.022 U	**0.0249**	0.414 U	2.31 U	**0.0201**	**0.0144 J**	0.0157 U	**0.0164 J**
Naphthalene	**2.2**	**0.376**	**0.192**	**1.45 J**	9.22 U	0.0381 U	**0.946**	**0.417**	0.119 U
Phenanthrene	**0.0695**	0.088 U	**0.041 J**	1.66 U	9.22 U	0.019 U	**0.271**	0.0629 U	0.073 U

Table 1
Laboratory Testing Results

Location ID	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-7-17	OW-8-15	OW-8-15	OW-8-15	OW-8-15
sys_sample_code	GS-121521-16	GS-032122-38	GS-061622-09	GS-101122-122	GS-121522-11	GS-031214-17	GS-102214-81	GS-031715-57	GS-032116-73
Sample Date	12/15/2021	3/21/2022	6/16/2022	10/11/2022	12/15/2022	3/12/2014	10/22/2014	3/17/2015	3/21/2016
Depth	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	12.5 - 17.5 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623753.29	7623753.29	7623753.29	7623753.29	7623753.29	7623600.35	7623600.35	7623600.35	7623600.35
Y	705593.81	705593.81	705593.81	705593.81	705593.81	705685.36	705685.36	705685.36	705685.36
Pyrene	**0.23**	**0.185**	**0.124**	**2**	4.61 U	**0.0124 J**	**0.381**	**0.216**	**0.181**
Total PAH (17) (U = 0)	**7.3643 J**	**6.6805 J**	**3.0944 J**	**53.062 J**	**42.46 J**	**0.2783 J**	**26.9875 J**	**16.9208 J**	**6.7177 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15
sys_sample_code	GS-102016-94	GS-100819-93	GS-121819-12	GS-031220-42	GS-060920-03	GS-092320-06	GS-120820-02	GS-030421-09	GS-060821-10
Sample Date	10/20/2016	10/8/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020	12/8/2020	3/4/2021	6/8/2021
Depth	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35
Y	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36
Conventional Parameters (mg/L)									
Cyanide	**0.0442**	**0.0192**	**0.0229**	**0.0204**	**0.0351**	**0.032**	**0.0331**	**0.024**	**0.0205**
Cyanide, available	0.002 U	**0.001 J**	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 U	0.002 U
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Antimony	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arsenic	1 U	1 U	**0.571 J**	1 U	**0.558 J**	**1.03**	**1.17**	**0.571 J**	1 U
Barium	**42.7**	**38**	**44**	**25**	**45**	**53**	**61.1**	**36.9**	**190**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.24 J**
Cobalt	--	--	--	--	--	--	--	--	--
Copper	**1.16**	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
Iron	**14500**	**16600**	**19000**	**10800**	**15700**	**21100**	**20800**	**11300**	**63500**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**1450**	**1090**	**1280**	**726**	**1140**	**1560**	**1980**	**985**	**4970**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**5.46**	**4.82**	**6.76 J**	**5.33**	**15.5**	**4.74**	**6.97**	**7.11**	**11.8**
Potassium	--	--	--	**2320**	--	--	--	--	--
Selenium	**0.544 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**0.944 J**	**2.41**	**1.6**	**1.89 J**	**1.78 J**	2 U	**2.3**	2 U	2 U
Zinc	**4.89**	**4.17**	**3.75 J**	4 U	**2.82 J**	**2.13 J**	**2.34 J**	4 U	**2.5 J**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.5 U	20 U	0.4 U	0.4 U	0.4 U	20 U	40 U	0.4 U	2 U
1,1,1-Trichloroethane	0.5 U	20 U	0.4 U	0.4 U	0.4 U	20 U	40 U	0.4 U	2 U
1,1,2,2-Tetrachloroethane	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U	50 U	0.5 U	2.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U	50 U	0.5 U	2.5 U
1,1-Dichloroethane	0.5 U	20 U	0.4 U	0.4 U	0.4 U	20 U	40 U	0.4 U	2 U
1,1-Dichloroethene	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	20 U	40 U	0.4 U	0.5 U
1,1-Dichloropropene	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
1,2,3-Trichlorobenzene	2 U	100 U	2 U	2 U	2 U	100 U	200 U	2 U	10 U
1,2,3-Trichloropropane	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	100 U	2 U	2 U	2 U	100 U	200 U	2 U	10 U
1,2,4-Trimethylbenzene	1 U	50 U	1 U	1 U	**0.65 J**	50 U	100 U	1 U	5 U
1,2-Dibromo-3-chloropropane	5 U	250 U	5 U	5 U	5 U	250 U	500 U	5 U	25 U

Table 1
Laboratory Testing Results

Location ID	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15
sys_sample_code	GS-102016-94	GS-100819-93	GS-121819-12	GS-031220-42	GS-060920-03	GS-092320-06	GS-120820-02	GS-030421-09	GS-060821-10
Sample Date	10/20/2016	10/8/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020	12/8/2020	3/4/2021	6/8/2021
Depth	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35
Y	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36
1,2-Dichlorobenzene	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U	50 U	0.5 U	2.5 U
1,2-Dichloroethane	0.5 U	20 U	0.4 U	0.4 U	0.4 U	20 U	40 U	0.4 U	2 U
1,2-Dichloroethene, cis-	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	20 U	40 U	0.4 U	0.5 U
1,2-Dichloroethene, trans-	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	20 U	40 U	0.4 U	0.5 U
1,2-Dichloropropane	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U	50 U	0.5 U	2.5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
1,3-Dichlorobenzene	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U	50 U	0.5 U	2.5 U
1,3-Dichloropropane	1 U	50 U	1 U	1 U	2 U	50 U	100 U	1 U	5 U
1,3-Dichloropropene, cis-	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
1,3-Dichloropropene, trans-	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U	50 U	0.5 U	2.5 U
2,2-Dichloropropane	1 U	50 U	1 U	1 U	1 U	50 U	100 UJ	1 U	5 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
2-Hexanone (Methyl butyl ketone)	10 U	500 U	10 U	10 U	10 U	500 U	1000 U	10 U	50 U
4-Chlorotoluene	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	500 U	10 U	10 U	10 U	500 U	1000 U	10 U	50 U
Acetone	20 U	1000 U	20 U	20 U	20 U	1000 U	2000 U	20 U	100 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	--	100 U	2 U	2 U	2 U	100 U	200 U	2 U	10 U
Benzene	0.2 U	**3170**	**4240**	**1160**	**20000**	**19000**	**10600**	**3380**	**683**
Bromobenzene	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U	50 U	0.5 U	2.5 U
Bromochloromethane	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
Bromodichloromethane	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
Bromoform (Tribromomethane)	1 U	50 U	1 U	1 U	1 U	50 U	200 U	1 U	5 U
Bromomethane (Methyl bromide)	5 U	250 U	5 U	5 U	5 U	250 U	500 U	5 UJ	25 U
Carbon disulfide	--	500 U	10 U	10 U	10 U	500 U	1000 U	10 U	50 U
Carbon tetrachloride (Tetrachloromethane)	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
Chlorobenzene	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U	50 U	0.5 U	2.5 U
Chloroethane	5 U	250 U	5 U	5 U	5 U	250 U	500 U	5 U	25 U
Chloroform	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
Chloromethane	5 U	250 U	5 U	5 U	5 U	250 U	500 U	5 U	25 U
Cymene, p- (4-Isopropyltoluene)	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
Dibromochloromethane	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
Dibromomethane	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
Dichlorodifluoromethane	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
Dichloromethane (Methylene chloride)	3 U	**R**	5 U	10 U	10 U	500 U	1000 U	10 U	50 U
Ethylbenzene	0.5 U	25 U	**13.5**	**0.664**	**8.59**	**70.5**	**33.8 J**	**1.88**	**19.9**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	25 U	0.5 U	0.5 U	0.5 U	25 U	100 U	0.5 U	2.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	250 U	5 U	5 U	5 U	250 U	500 U	5 U	25 U
Isopropylbenzene (Cumene)	**1.11**	50 U	**3.18**	1 U	**5.61**	50 U	100 U	**0.91 J**	**3.1 J**

Table 1
Laboratory Testing Results

Location ID	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15
sys_sample_code	GS-102016-94	GS-100819-93	GS-121819-12	GS-031220-42	GS-060920-03	GS-092320-06	GS-120820-02	GS-030421-09	GS-060821-10
Sample Date	10/20/2016	10/8/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020	12/8/2020	3/4/2021	6/8/2021
Depth	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35
Y	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36
m,p-Xylene	1 U	50 U	**0.712 J**	1 U	**1.58**	50 U	100 U	**0.74 J**	**3.87 J**
Methyl ethyl ketone (2-Butanone)	10 U	500 U	10 U	10 U	10 U	500 U	1000 U	10 U	50 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	50 U	**0.687 J**	1 U	1 U	50 U	100 U	**0.51 J**	5 U
n-Propylbenzene	**0.744**	25 U	**0.651**	**0.311 J**	**0.66**	25 U	50 U	**0.57**	2.5 U
o-Xylene	0.5 U	25 U	**3.77**	0.5 U	**21.5**	**37**	50 U	**2.58**	**8.06**
sec-Butylbenzene	1 U	50 U	**0.738 J**	1 U	1 U	50 U	100 U	1 U	5 U
Styrene	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
tert-Butylbenzene	1 U	50 U	1 U	1 U	1 U	50 U	100 U	1 U	5 U
Tetrachloroethene (PCE)	0.5 U	20 U	0.4 U	0.4 U	0.4 U	20 U	40 U	0.4 U	2 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	1 U	50 U	**3.46**	**1.77**	**6.96**	**40.2 J**	100 U	**1.46**	**4.72 J**
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	20 U	40 U	0.4 U	0.5 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	100 U	2 U	2 U	2 U	100 U	200 U	2 U	10 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	20 U	40 U	0.4 U	0.5 U
Total BTEX (U = 0)	1 U	**3170**	**4261.442 J**	**1162.434**	**20038.63**	**19147.7 J**	**10633.8 J**	**3386.66 J**	**719.55 J**
Total VOC (U = 0)	**1.854**	**3170**	**4266.698 J**	**1162.745 J**	**20045.55 J**	**19147.7 J**	**10633.8 J**	**3388.65 J**	**722.65 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	**0.951**	**0.698**	**1.01 J**	**1.11**	**1.16**	**5.88**	**17**	**2.72 J**	**3.9**
2-Methylnaphthalene	**0.169**	0.657 U	**0.3 J**	**0.224 J**	**0.403**	**0.795 J**	**0.542**	2.98 U	2.83 U
Acenaphthene	**6.4**	**8.38**	**14 J**	**10**	**5.17**	**14.7**	**21.3**	**9.25**	**11.1**
Acenaphthylene	**0.55**	**0.879**	1.25 U	0.809 U	1.3 U	2.44 U	1.88 U	1.49 U	1.41 U
Anthracene	**0.473**	**1.01**	**0.995 J**	**0.705**	**1.15**	**1.62**	**1.36**	**0.801 J**	**0.989 J**
Benzo(a)anthracene	**0.0135 J**	**0.0822 J**	0.0643 U	0.0647 U	0.0692 U	0.325 U	**0.0469 J**	0.745 U	0.707 U
Benzo(a)pyrene	**0.0105 J**	**0.0855 J**	0.0643 U	**0.0323 J**	0.0692 U	0.325 U	0.0751 U	0.745 U	0.707 U
Benzo(b)fluoranthene	**0.00927 J**	0.164 U	0.0643 U	0.0647 U	0.0692 U	0.325 U	0.0751 U	0.745 U	0.707 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.0337 U	0.329 U	0.129 U	**0.0708 J**	0.138 U	0.649 U	0.15 U	1.49 U	1.41 U
Benzo(j,k)fluoranthene	--	0.164 U	0.0643 U	0.0647 U	0.0692 U	0.325 U	0.0751 U	0.745 U	0.707 U
Benzo(k)fluoranthene	**0.0101 J**	--	--	--	--	--	--	--	--
Carbazole	0.0337 U	0.329 U	0.129 U	**0.0946 J**	0.138 U	**2.77**	**5.77 J**	1.49 U	**1.78**
Chrysene	**0.00927 J**	0.164 U	0.0643 U	0.0647 U	0.0692 U	0.325 U	0.0751 U	0.745 U	0.707 U
Dibenzo(a,h)anthracene	0.0169 U	0.164 U	0.0643 U	0.0647 U	0.0692 U	0.325 U	0.0751 U	0.745 U	0.707 U
Dibenzofuran	**0.119**	0.329 U	0.129 U	**0.661**	0.138 U	0.649 U	0.188 U	1.49 U	1.41 U
Fluoranthene	**0.388 J**	**0.309 J**	**0.445 J**	**0.437**	**0.429**	**0.657**	**0.435**	1.49 U	1.41 U
Fluorene	**1.4**	**1.83**	**2.44 J**	**2.92**	**1.48**	**2.91**	**3.66**	**2.92**	**2.44**
Indeno(1,2,3-c,d)pyrene	0.0169 U	0.164 U	0.0643 U	0.0647 U	0.0692 U	0.325 U	0.0751 U	0.745 U	0.707 U
Naphthalene	0.43 U	**1.46 J**	**12.4 J**	**0.771**	**33.7**	**224**	**122**	**5.66**	**38.8**
Phenanthrene	**0.115**	0.657 U	**0.273 J**	**0.138 J**	0.277 U	1.3 U	**0.208 J**	2.98 U	2.83 U

Table 1
Laboratory Testing Results

Location ID	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15	OW-8-15
sys_sample_code	GS-102016-94	GS-100819-93	GS-121819-12	GS-031220-42	GS-060920-03	GS-092320-06	GS-120820-02	GS-030421-09	GS-060821-10
Sample Date	10/20/2016	10/8/2019	12/18/2019	3/12/2020	6/9/2020	9/23/2020	12/8/2020	3/4/2021	6/8/2021
Depth	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35	7623600.35
Y	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36	705685.36
Pyrene	**0.256**	**0.43**	**0.478 J**	**0.419**	**0.384**	**0.731**	**0.469**	1.49 U	1.41 U
Total PAH (17) (U = 0)	**9.80364 J**	**14.4657 J**	**31.331 J**	**15.7171 J**	**42.716**	**245.413 J**	**150.0209 J**	**18.631 J**	**53.329 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	OW-8-15	OW-8-15	OW-8-15	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25
sys_sample_code	GS-121521-15	GS-032222-40	GS-061622-10	GS-031114-13	GS-102314-88	GS-031915-75	GS-032216-77	GS-031220-38	GS-060920-01
Sample Date	12/15/2021	3/22/2022	6/16/2022	3/11/2014	10/23/2014	3/19/2015	3/22/2016	3/12/2020	6/9/2020
Depth	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623600.35	7623600.35	7623600.35	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523
Y	705685.36	705685.36	705685.36	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544
Conventional Parameters (mg/L)									
Cyanide	**0.0282**	**0.0493**	**0.115**	**0.843**	**0.756**	**0.544**	**0.73 J**	**0.124**	**0.332**
Cyanide, available	**0.00133 J**	0.002 U	**0.00251**	**0.0281**	**0.0265**	**0.00704**	**0.011**	**0.00142 J**	**0.0017 J**
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	**0.008**	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)									
Aluminum	50 U	**156**	**427**	**543**	**101**	**1310**	**79.1**	50 U	**86.9**
Antimony	1 U	1 U	1 U	**1.08 J**	1 U	1 U	**0.744 J**	1 U	**0.692 J**
Arsenic	1 U	1 U	1 U	**0.711 J**	**0.789 J**	**1.31**	1 U	**1.01**	**1.2**
Barium	**40.7**	**40.4**	**13.7**	**20.8**	**33.8**	**24.1**	**37.7**	**33.3**	**40.6**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	**0.0444 J**	**0.1 J**	0.2 U	**0.222**	0.2 U	0.2 U
Calcium	--	--	--	--	--	--	--	--	--
Chromium	2 U	**1.57 J**	2 U	**0.956 J**	1 U	1 U	1 U	1 U	1 U
Cobalt	--	--	--	--	--	--	--	--	--
Copper	2 U	**1.74 J**	**1.55 J**	**2.93**	**11.6**	**0.967 J**	**1.44**	2 U	2 U
Iron	**986**	**1260**	**699**	**847**	**402**	**528**	**651**	**60.3**	**1080**
Lead	0.2 U	**0.259**	**0.38**	**3.67**	**0.511**	**0.411**	0.2 U	0.2 U	0.2 U
Magnesium	--	--	--	--	--	--	--	--	--
Manganese	**268**	**84.9**	**4.58**	**30.7**	**33.8**	**8.52**	**83.5**	**25.7**	**237**
Mercury	0.08 U	0.08 U	0.08 U	0.16 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**28.5**	**15.8**	**16.7**	**314**	**264**	**150**	**608**	**239**	**296**
Potassium	--	--	--	--	--	--	--	**2080**	--
Selenium	1 U	1 U	1 U	**0.822 J**	1 U	1 U	**0.722 J**	1 U	1 U
Silver	0.2 U	**0.517**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**3.13**	**7.77**	**139**	**935**	**269**	**166**	**1060**	**216**	**334**
Zinc	**5.04**	**4**	**4.63**	**11.2**	**48.3**	**4.89**	**54.9**	**10.7**	**14.2**
Volatile Organics (µg/L)									
1,1,1,2-Tetrachloroethane	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.8 U
1,1,1-Trichloroethane	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.8 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	5 U	1 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U
1,1-Dichloroethane	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.8 U
1,1-Dichloroethene	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	20 U	4 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	20 U	4 U
1,2,4-Trimethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**6.56 J**	**1.08 J**
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50 U	10 U

Table 1
Laboratory Testing Results

Location ID	OW-8-15	OW-8-15	OW-8-15	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25
sys_sample_code	GS-121521-15	GS-032222-40	GS-061622-10	GS-031114-13	GS-102314-88	GS-031915-75	GS-032216-77	GS-031220-38	GS-060920-01
Sample Date	12/15/2021	3/22/2022	6/16/2022	3/11/2014	10/23/2014	3/19/2015	3/22/2016	3/12/2020	6/9/2020
Depth	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623600.35	7623600.35	7623600.35	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523
Y	705685.36	705685.36	705685.36	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U
1,2-Dichloroethane	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.8 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	4 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	20 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	20 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	200 U	40 U
Acrolein	--	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	2 U	2 U	--	--	--	--	20 U	4 U
Benzene	0.2 U	**0.21**	0.2 U	0.25 U	0.25 U	0.25 U	0.2 U	**33**	**27.5**
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
Bromomethane (Methyl bromide)	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U	50 U	10 U
Carbon disulfide	10 U	10 U	10 U	--	--	--	--	100 U	20 U
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	1 U	20 U	2 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U
Chloroethane	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	50 UJ	10 U
Chloroform	1 U	1 U	1 U	**1.76**	**4.1**	1 U	**0.686 J**	10 U	2 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U	50 U	10 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
Dichloromethane (Methylene chloride)	10 U	10 U	10 U	5 U	5 U	5 U	3 U	100 U	20 U
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	**2.14**
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50 U	10 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**7.24 J**	**2.02**

Table 1
Laboratory Testing Results

Location ID	OW-8-15	OW-8-15	OW-8-15	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25
sys_sample_code	GS-121521-15	GS-032222-40	GS-061622-10	GS-031114-13	GS-102314-88	GS-031915-75	GS-032216-77	GS-031220-38	GS-060920-01
Sample Date	12/15/2021	3/22/2022	6/16/2022	3/11/2014	10/23/2014	3/19/2015	3/22/2016	3/12/2020	6/9/2020
Depth	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623600.35	7623600.35	7623600.35	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523
Y	705685.36	705685.36	705685.36	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544
m,p-Xylene	1 U	1 U	1 U	1 U	**0.61 J**	1 U	1 U	10 U	2 U
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	20 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
Naphthalene	--	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
n-Propylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	1 U
o-Xylene	0.5 U	0.5 U	0.5 U	0.5 U	**0.27 J**	0.5 U	0.5 U	**2.7 J**	**0.74 J**
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2 U
Tetrachloroethene (PCE)	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	4 U	0.8 U
Tetrahydrofuran	--	--	--	--	--	--	--	--	--
Toluene	1 U	1 U	1 U	1 U	**1.07**	1 U	1 U	10 U	2 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	20 U	4 U
Vinyl acetate	--	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.4 U
Total BTEX (U = 0)	1 U	**0.21**	1 U	1 U	**1.95 J**	1 U	1 U	**35.7 J**	**30.38 J**
Total VOC (U = 0)	20 UJ	**0.21**	20 U	**1.76**	**6.05 J**	20 UJ	**0.686 J**	**49.5 J**	**33.48 J**
Semivolatile Organics (µg/L)									
1-Methylnaphthalene	0.0687 U	0.0935 U	0.0716 U	0.19 U	**0.104**	0.0715 U	0.0772 U	**104**	**7.81**
2-Methylnaphthalene	0.0687 U	0.0935 U	0.0716 U	0.19 U	**0.131**	0.0715 U	0.0772 U	**66.7**	**0.927**
Acenaphthene	**0.409**	0.0877 U	0.0358 U	0.0952 U	**0.0727**	0.0357 U	0.0386 U	**10.6**	**1.55**
Acenaphthylene	**0.183**	**0.252**	**0.209**	**0.491**	**0.505**	**0.353**	**0.34**	6.55 U	**0.417**
Anthracene	**0.212**	**0.359**	**0.173**	**0.344**	**0.336**	**0.153**	**0.219**	6.55 U	**0.256**
Benzo(a)anthracene	0.0268 U	0.0234 U	**0.0179 J**	**0.453**	**0.0413**	**0.0465**	**0.0203 J**	3.28 U	**0.0199**
Benzo(a)pyrene	0.0172 U	0.0234 U	**0.102**	**1.12**	**0.0606**	**0.0934**	0.0193 U	3.28 U	**0.0216**
Benzo(b)fluoranthene	0.0172 U	0.0234 U	**0.0998 J**	--	**0.0615**	**0.0791**	0.0193 U	3.28 U	**0.0127 J**
Benzo(b,k)fluoranthene	--	--	--	**1.46**	--	--	--	--	--
Benzo(g,h,i)perylene	0.0343 U	0.0468 U	**0.372**	**2.2**	**0.0817**	**0.139**	0.0386 U	6.55 U	**0.0233 J**
Benzo(j,k)fluoranthene	0.0172 U	0.0234 U	**0.0291 J**	--	--	--	--	3.28 U	0.017 U
Benzo(k)fluoranthene	--	--	--	--	**0.0296**	**0.0322**	0.0193 U	--	--
Carbazole	**0.158**	**0.0485**	0.0358 U	0.0952 U	**0.0381**	0.0357 U	0.0386 U	6.55 U	**6.69**
Chrysene	0.0172 U	0.0234 U	**0.0345 J**	**0.693**	**0.0368**	**0.0451**	0.0193 U	3.28 U	**0.0123 J**
Dibenzo(a,h)anthracene	0.0172 U	0.0234 U	**0.0224**	**0.175**	**0.0162 J**	0.0179 U	0.0193 U	3.28 U	0.017 U
Dibenzofuran	0.0343 U	0.0468 U	0.0358 U	0.0952 U	**0.0256 J**	0.0357 U	0.0386 U	6.55 U	**0.0806**
Fluoranthene	0.0343 U	**0.0538**	**0.0242 J**	**0.835**	**0.0862**	**0.0724**	0.0386 U	6.55 U	**0.0373**
Fluorene	0.0644 U	0.0731 U	0.0358 U	**0.079 J**	0.897 U	**0.0478**	0.154 U	6.55 U	0.212 U
Indeno(1,2,3-c,d)pyrene	0.0172 U	0.0234 U	**0.218**	**1.7**	**0.0628**	**0.105**	**0.0106 J**	3.28 U	0.017 U
Naphthalene	**0.0824**	0.0935 U	**0.0372 J**	0.19 U	**0.567**	**0.188**	**0.0468 J**	**915**	**173**
Phenanthrene	0.0687 U	0.0935 U	0.0716 U	**0.336**	**0.0776**	**0.0465 J**	0.0772 U	13.1 U	**0.102**

Table 1
Laboratory Testing Results

Location ID	OW-8-15	OW-8-15	OW-8-15	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25
sys_sample_code	GS-121521-15	GS-032222-40	GS-061622-10	GS-031114-13	GS-102314-88	GS-031915-75	GS-032216-77	GS-031220-38	GS-060920-01
Sample Date	12/15/2021	3/22/2022	6/16/2022	3/11/2014	10/23/2014	3/19/2015	3/22/2016	3/12/2020	6/9/2020
Depth	10.1 - 15.1 ft	10.1 - 15.1 ft	10.1 - 15.1 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft
Sample Type	N	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG	WG
X	7623600.35	7623600.35	7623600.35	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523
Y	705685.36	705685.36	705685.36	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544
Pyrene	0.0343 U	**0.0438 J**	**0.0363**	**1.25**	**0.0772**	**0.109**	0.0386 U	6.55 U	**0.0449**
Total PAH (17) (U = 0)	**0.8864**	**0.7086 J**	**1.3754 J**	**11.136 J**	**2.2432 J**	**1.51 J**	**0.6367 J**	**992.3**	**176.424 J**
Total Petroleum Hydrocarbons (mg/L)									
Diesel range hydrocarbons	--	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Location ID	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25
sys_sample_code	GS-092420-09	GS-120920-07	GS-031521-41	GS-060821-07	GS-121521-13	GS-031022-15	GS-061622-11	GS-121522-10
Sample Date	9/24/2020	12/9/2020	3/15/2021	6/8/2021	12/15/2021	3/10/2022	6/16/2022	12/15/2022
Depth	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft
Sample Type	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG
X	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523
Y	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544
Conventional Parameters (mg/L)								
Cyanide	**0.12**	**0.14**	**0.393**	**0.235**	**0.554**	**0.301**	**0.449**	**0.392**
Cyanide, available	**0.0016 J**	0.002 UJ	**0.00654**	**0.00602**	**0.0052 J**	**0.0046**	**0.00856**	0.002 U
Cyanide, free	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Metals (µg/L)								
Aluminum	**63.6**	50 U	50 U	50 U	50 U	50 U	**45.3 J**	**205**
Antimony	1 U	1 U	**0.615 J**	1 U	1 U	1 U	**1.7**	1 U
Arsenic	**3.86**	**8.6**	**0.983 J**	**1.83**	**0.927 J**	**0.835 J**	**0.559 J**	1 U
Barium	**23.5**	**42.2**	**30**	**29.8**	**27.2**	**25.7**	**24.9**	**30.7**
Beryllium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.102 J**
Calcium	--	--	--	--	--	--	--	--
Chromium	1 U	1 U	1 U	2 U	2 U	2 U	2 U	**2.18**
Cobalt	--	--	--	--	--	--	--	--
Copper	2 U	2 U	2 U	2 U	**1.04 J**	2 U	**1.54 J**	2 U
Iron	**9490**	**27000**	**165**	**2060**	**227**	**127**	**227**	**377**
Lead	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.331**	0.2 U
Magnesium	--	--	--	--	--	--	--	--
Manganese	**2090**	**3300**	**384**	**1800**	**37.2**	**7.51**	**6.42**	**920**
Mercury	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Nickel	**54.4**	**56.6**	**276**	**165**	**93.9**	**101**	**1160**	**92.4**
Potassium	--	--	--	--	--	--	--	--
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Sodium	--	--	--	--	--	--	--	--
Thallium	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vanadium	**155**	**43.7**	**781**	**282**	**103**	**243**	**3630**	**165**
Zinc	**11.1**	**7.85**	**19.1**	**9.77**	**8.68**	**9.95**	**38.1**	**18.6**
Volatile Organics (µg/L)								
1,1,1,2-Tetrachloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-Trichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethene	0.4 U	1 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,3-Trichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trimethylbenzene	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trimethylbenzene	**0.738 J**	**5.73**	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Table 1
Laboratory Testing Results

Location ID	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25
sys_sample_code	GS-092420-09	GS-120920-07	GS-031521-41	GS-060821-07	GS-121521-13	GS-031022-15	GS-061622-11	GS-121522-10
Sample Date	9/24/2020	12/9/2020	3/15/2021	6/8/2021	12/15/2021	3/10/2022	6/16/2022	12/15/2022
Depth	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft
Sample Type	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG
X	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523
Y	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, cis-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethene, trans-	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene (Mesitylene)	1 U	**1.8**	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, cis-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropene, trans-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichloro-2-butene, trans-	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinyl ether	--	--	--	--	--	--	--	--
2-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone (Methyl butyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorotoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanol	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acrolein	--	--	--	--	--	--	--	--
Acrylonitrile	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Benzene	**14.2**	**22.1**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform (Tribromomethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane (Methyl bromide)	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U
Carbon disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride (Tetrachloromethane)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cymene, p- (4-Isopropyltoluene)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromomethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichloromethane (Methylene chloride)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	0.5 U	**2.99**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylene dibromide (1,2-Dibromoethane)	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene (Cumene)	**2.13**	**9.82**	1 U	1 U	1 U	1 U	1 U	1 U

Table 1
Laboratory Testing Results

Location ID	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25
sys_sample_code	GS-092420-09	GS-120920-07	GS-031521-41	GS-060821-07	GS-121521-13	GS-031022-15	GS-061622-11	GS-121522-10
Sample Date	9/24/2020	12/9/2020	3/15/2021	6/8/2021	12/15/2021	3/10/2022	6/16/2022	12/15/2022
Depth	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft
Sample Type	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG
X	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523
Y	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544
m,p-Xylene	**0.536 J**	**5.22**	1 U	1 U	1 U	1 U	1 U	1 U
Methyl ethyl ketone (2-Butanone)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methyl iodide (Iodomethane)	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	--	--	--	--	--	--	--
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	**0.443 J**	**2.79**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	**2.05**	**12.8**	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	1 U	**1.06**	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	0.4 U	1 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	--	--	--	--	--	--	--	--
Toluene	1 U	**1.28**	1 U	1 U	1 U	1 U	1 U	1 U
Total xylene (reported, not calculated)	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (Fluorotrichloromethane)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vinyl acetate	--	--	--	--	--	--	--	--
Vinyl chloride	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Total BTEX (U = 0)	**16.786 J**	**44.39**	1 U	1 U	1 U	1 U	1 U	1 U
Total VOC (U = 0)	**20.097 J**	**65.59**	20 U	20 UJ	20 UJ	20 U	20 U	20 U
Semivolatile Organics (µg/L)								
1-Methylnaphthalene	**4.88**	**119**	**0.149**	**0.0725 J**	0.0661 U	0.0656 U	0.0719 U	0.0721 U
2-Methylnaphthalene	0.74 U	**26.1**	0.0689 U	0.0712 U	0.0661 U	0.0656 U	0.0719 U	0.0721 U
Acenaphthene	**19.2**	**68.8**	**0.068**	**0.0987 J**	**0.0847**	**0.0184 J**	0.036 U	**0.0185 J**
Acenaphthylene	**1.96**	**2.7**	**0.242**	**0.206 J**	**0.149**	**0.175**	**0.177**	**0.124**
Anthracene	**0.407**	**0.889**	**0.19**	**0.166 J**	**0.142**	**0.107**	**0.266**	**0.096**
Benzo(a)anthracene	0.185 U	0.363 U	0.0172 U	**0.0156 J**	0.0165 U	0.0164 U	**0.0144 J**	0.018 U
Benzo(a)pyrene	0.185 U	0.363 U	0.0172 U	**0.0191 J**	0.0165 U	0.0164 U	**0.0144 J**	0.018 U
Benzo(b)fluoranthene	0.185 U	0.363 U	0.0172 U	**0.0111 J**	0.0165 U	0.0164 U	**0.0184**	0.018 U
Benzo(b,k)fluoranthene	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	0.37 U	0.726 U	0.0345 U	**0.02 J**	0.0331 U	0.0328 U	**0.0405**	0.0361 U
Benzo(j,k)fluoranthene	0.185 U	0.363 U	0.0172 U	**0.0116 J**	0.0165 U	0.0164 U	0.018 U	0.018 U
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--
Carbazole	0.37 U	**21.8**	**0.438**	**0.444 J**	**0.0446**	0.0328 U	0.036 U	**0.0198 J**
Chrysene	0.185 U	0.363 U	0.0172 U	**0.00934 J**	0.0165 U	0.0164 U	0.018 U	0.018 U
Dibenzo(a,h)anthracene	0.185 U	0.363 U	0.0172 U	0.0178 U	0.0165 U	0.0164 U	0.018 U	0.018 U
Dibenzofuran	**0.874**	**1.82**	0.0345 U	**0.0298 J**	0.0331 U	0.0328 U	0.036 U	0.0361 U
Fluoranthene	0.37 U	**0.535 J**	0.0345 U	**0.028 J**	0.0331 U	0.0328 U	**0.0328 J**	0.0361 U
Fluorene	0.578 U	**3.26**	0.0646 U	0.089 U	**0.0227 J**	0.0328 U	0.573 U	0.0361 U
Indeno(1,2,3-c,d)pyrene	0.185 U	0.363 U	0.0172 U	**0.0129 J**	0.0165 U	0.0164 U	**0.0247**	0.018 U
Naphthalene	0.74 U	**209**	**0.146**	**0.138 J**	**0.0769**	**0.0385 J**	**0.0409 J**	**0.0406 J**
Phenanthrene	0.74 U	**1.96**	**0.0349 J**	0.0712 U	0.0661 U	0.0656 U	0.0719 U	0.0721 U

Table 1
Laboratory Testing Results

Location ID	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25	OW-9-25
sys_sample_code	GS-092420-09	GS-120920-07	GS-031521-41	GS-060821-07	GS-121521-13	GS-031022-15	GS-061622-11	GS-121522-10
Sample Date	9/24/2020	12/9/2020	3/15/2021	6/8/2021	12/15/2021	3/10/2022	6/16/2022	12/15/2022
Depth	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft	20 - 25 ft
Sample Type	N	N	N	N	N	N	N	N
Matrix	WG	WG	WG	WG	WG	WG	WG	WG
X	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523	7623388.523
Y	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544	705812.544
Pyrene	**0.227 J**	**0.935**	**0.0241 J**	**0.0418 J**	0.0331 U	0.0328 U	**0.0189 J**	0.0361 U
Total PAH (17) (U = 0)	**21.794 J**	**314.179 J**	**0.705 J**	**0.77814 J**	**0.4753 J**	**0.3389 J**	**0.648 J**	**0.2791 J**
Total Petroleum Hydrocarbons (mg/L)								
Diesel range hydrocarbons	--	--	--	--	--	--	--	--
Gasoline range hydrocarbons	--	--	--	--	--	--	--	--
Oil range organics	--	--	--	--	--	--	--	--

Table 1
Laboratory Testing Results

Notes:
Bold: Detected result
J: Estimated value
U: Compound analyzed but not detected above detection limit
UJ: Compound analyzed but not detected above estimated detection limit
R: Rejected
1. Totals are calculated as the sum of all detected results (U = 0 is applied when individual concentrations are a mix of detect and non-detects). If all results are non-detect, the highest reporting limit value is reported as the sum.
2. Total VOC values presented in this table have been updated to exclude naphthalene concentrations. Previously, naphthalene was inadvertently included in both the total VOC and the total PAH sums. Moving forward, naphthalene will be accounted for in the total PAH sum.
µg/L: microgram per liter
ft: foot
mg/L: milligram per liter
PAH: polycyclic aromatic hydrocarbon
VOC: volatile organic compound

Table 2
Koppers Basin Water Elevation Measurements

Date	PZ-KB1		Koppers Basin (SW-KB)		Elevation Difference (feet)
	DTW (feet)	Water Elevation (feet COP)	DTW (feet)	Water Elevation (feet COP)	
7/13/2018	12.51	27.49	Dry	< 28.28	--
8/2/2018	13.03	26.97	Dry	< 28.28	--
9/6/2018	13.91	26.09	Dry	< 28.28	--
10/3/2018	14.54	25.46	Dry	< 28.28	--
11/9/2018	13.21	26.79	8.91	28.57	1.78
12/6/2018	12.37	27.63	8.69	28.79	1.16
1/3/2019	11.14	28.86	7.86	29.62	0.76
2/7/2019	11.43	28.57	7.71	29.77	1.20
3/6/2019	9.61	30.39	6.83	30.65	0.26
4/3/2019	10.03	29.97	6.84	30.64	0.67
5/7/2019	10.42	29.58	6.68	30.80	1.22
5/14/2019	10.00	30	6.83	30.65	0.65
5/21/2019	9.90	30.1	6.82	30.66	0.56
5/28/2019	10.26	29.74	6.90	30.58	0.84
6/5/2019	10.31	29.69	7.12	30.36	0.67
6/11/2019	10.51	29.49	7.30	30.18	0.69
6/18/2019	10.85	29.15	7.45	30.03	0.88
6/24/2019	10.92	29.08	7.58	29.90	0.82
7/2/2019	11.15	28.85	7.65	29.83	0.98
7/8/2019	11.23	28.77	7.75	29.73	0.96
7/16/2019	11.47	28.53	7.85	29.63	1.10
7/23/2019	11.68	28.32	8.00	29.48	1.16
7/31/2019	11.88	28.12	8.20	29.28	1.16
8/6/2019	12.00	28	8.33	29.15	1.15
8/12/2019	12.3	27.7	8.38	29.10	1.40
8/21/2019	12.45	27.55	8.6	28.88	1.33
8/27/2019	12.55	27.45	8.70	28.78	1.33
9/3/2019	12.82	27.18	8.85	28.63	1.45
9/10/2019	12.96	27.04	8.95	28.53	1.49
9/17/2019	12.83	27.17	8.78	28.70	1.53
9/25/2019	12.53	27.47	8.52	28.96	1.49
9/30/2019	12.42	27.58	8.50	28.98	1.40
10/8/2019	12.4	27.60	8.53	28.95	1.35
10/15/2019	12.6	27.40	8.6	28.88	1.48
10/22/2019	12.61	27.39	8.4	29.08	1.69
10/29/2019	12.45	27.55	8.47	29.01	1.46
11/5/2019	12.38	27.62	8.5	28.98	1.36
11/12/2019	12.5	27.50	8.53	28.95	1.45
11/19/2019	12.3	27.70	8.45	29.03	1.33
11/26/2019	12.17	27.83	8.45	29.03	1.20
12/3/2019	12.62	27.38	8.5	28.98	1.60
12/11/2019	12.35	27.65	8.4	29.08	1.43
12/17/2019	11.92	28.08	8.27	29.21	1.13
12/23/2019	11.4	28.60	7.85	29.63	1.03
1/2/2020	11.17	28.83	7.72	29.76	0.93
1/8/2020	10.62	29.38	7.5	29.98	0.60
1/15/2020	9.99	30.01	7.12	30.36	0.35
1/21/2020	9.46	30.54	6.85	30.63	0.09

Table 2
Koppers Basin Water Elevation Measurements

Date	PZ-KB1		Koppers Basin (SW-KB)		Elevation Difference (feet)
	DTW (feet)	Water Elevation (feet COP)	DTW (feet)	Water Elevation (feet COP)	
1/28/2020	9.02	30.98	6.15	31.33	0.35
2/4/2020	8.65	31.35	5.7	31.78	0.43
2/11/2020	8.67	31.33	5.62	31.86	0.53
2/18/2020	8.69	31.31	5.5	31.98	0.67
2/25/2020	9.01	30.99	5.57	31.91	0.92
3/4/2020	9.20	30.80	5.67	31.81	1.01
3/10/2020	9.20	30.80	5.7	31.78	0.98
3/18/2020	9.03	30.97	5.72	31.76	0.79
3/24/2020	9.25	30.75	5.8	31.68	0.93
4/1/2020	9.26	30.74	5.76	31.72	0.98
4/8/2020	9.46	30.54	5.84	31.64	1.10
4/15/2020	9.55	30.45	6.2	31.28	0.83
4/22/2020	9.66	30.34	6.15	31.33	0.99
4/29/2020	9.64	30.36	6.25	31.23	0.87
5/6/2020	9.96	30.04	6.37	31.11	1.07
5/13/2020	9.84	30.16	6.5	30.98	0.82
5/20/2020	9.84	30.16	6.52	30.96	0.80
5/27/2020	9.83	30.17	6.64	30.84	0.67
6/3/2020	9.98	30.02	6.75	30.73	0.71
6/10/2020	9.90	30.10	6.78	30.70	0.60
6/17/2020	9.98	30.02	6.72	30.76	0.74
6/24/2020	9.75	30.25	6.85	30.63	0.38
6/30/2020	10.04	29.96	6.98	30.50	0.54
7/8/2020	10.30	29.70	7.12	30.36	0.66
7/14/2020	10.54	29.46	7.25	30.23	0.77
7/22/2020	10.66	29.34	7.50	29.98	0.64
7/30/2020	11.00	29.00	7.60	29.88	0.88
8/7/2020	11.27	28.73	7.80	29.68	0.95
8/13/2020	11.49	28.51	7.95	29.53	1.02
8/19/2020	11.56	28.44	8.17	29.31	0.87
8/26/2020	11.78	28.22	8.25	29.23	1.01
9/3/2020	12.60	27.40	8.30	29.18	1.78
9/9/2020	12.17	27.83	8.60	28.88	1.05
9/18/2020	12.40	27.60	8.60	28.88	1.28
9/24/2020	12.60	27.40	8.44	29.04	1.64
9/30/2020	12.50	27.50	8.43	29.05	1.55
10/7/2020	12.51	27.49	8.54	28.94	1.45
10/15/2020	12.72	27.28	8.33	29.15	1.87
10/22/2020	12.39	27.61	8.40	29.08	1.47
10/30/2020	12.39	27.61	8.49	28.99	1.38
11/6/2020	12.30	27.70	8.37	29.11	1.41
11/13/2020	11.85	28.15	8.25	29.23	1.08
11/20/2020	11.82	28.18	7.90	29.58	1.40
12/1/2020	11.41	28.59	7.80	29.68	1.09
12/11/2020	11.28	28.72	7.75	29.73	1.01
12/17/2020	10.96	29.04	7.61	29.87	0.83
12/23/2020	10.48	29.52	7.20	30.28	0.76
12/31/2020	10.01	29.99	6.96	30.52	0.53
1/6/2021	9.25	30.75	6.40	31.08	0.33
1/13/2021	8.76	31.24	5.44	32.04	0.80

Table 2

Koppers Basin Water Elevation Measurements

Date	PZ-KB1		Koppers Basin (SW-KB)		Elevation Difference (feet)
	DTW (feet)	Water Elevation (feet COP)	DTW (feet)	Water Elevation (feet COP)	
1/20/2021	7.97	32.03	5.27	32.21	0.18
1/27/2021	8.11	31.89	5.02	32.46	0.57
2/3/2021	8.07	31.93	4.53	32.95	1.02
2/11/2021	7.75	32.25	4.51	32.97	0.72
2/18/2021	7.46	32.54	4.20	33.28	0.74
2/24/2021	7.31	32.69	3.87	33.61	0.92
3/3/2021	6.90	33.10	3.72	33.76	0.66
3/10/2021	7.50	32.50	3.89	33.59	1.09
3/17/2021	7.80	32.20	4.15	33.33	1.13
3/24/2021	7.86	32.14	4.22	33.26	1.12
4/1/2021	7.93	32.07	4.36	33.12	1.05
4/12/2021	8.40	31.60	4.70	32.78	1.18
4/15/2021	8.63	31.37	4.80	32.68	1.31
4/22/2021	8.71	31.29	5.04	32.44	1.15
4/29/2021	9.08	30.92	5.17	32.31	1.39
5/6/2021	9.12	30.88	5.42	32.06	1.18
5/13/2021	9.35	30.65	5.64	31.84	1.19
5/19/2021	9.58	30.42	5.78	31.70	1.28
5/28/2021	9.83	30.17	6.05	31.43	1.26
6/4/2021	9.93	30.07	6.30	31.18	1.11
6/10/2021	10.13	29.87	6.48	31.00	1.13
6/15/2021	10.22	29.78	6.47	31.01	1.23
6/20/2021	10.08	29.92	6.63	30.85	0.93
6/29/2021	12.85	27.15	6.89	30.59	3.44
7/7/2021	10.71	29.29	7.12	30.36	1.07
7/15/2021	10.96	29.04	7.35	30.13	1.09
7/22/2021	11.24	28.76	7.53	29.95	1.19
7/30/2021	11.39	28.61	7.75	29.73	1.12
8/6/2021	11.79	28.21	7.90	29.58	1.37
8/13/2021	11.96	28.04	8.03	29.45	1.41
8/20/2021	12.20	27.80	8.18	29.30	1.50
9/1/2021	12.55	27.45	8.40	29.08	1.63
9/9/2021	12.78	27.22	8.54	28.94	1.72
9/16/2021	13.10	26.90	8.68	28.80	1.90
9/24/2021	12.63	27.37	8.38	29.10	1.73
10/13/2021	12.59	27.41	8.34	29.14	1.73
10/25/2021	12.64	27.36	8.10	29.38	2.02
10/29/2021	12.17	27.83	8.00	29.48	1.65
11/5/2021	11.65	28.35	7.85	29.63	1.28
11/15/2021	9.96	30.04	6.94	30.54	0.50
11/22/2021	9.85	30.15	6.75	30.73	0.58
11/30/2021	9.91	30.09	6.55	30.93	0.84
12/13/2021	9.04	30.96	6.10	31.38	0.42
12/20/2021	8.50	31.50	5.35	32.13	0.63
12/30/2021	7.68	32.32	4.59	32.89	0.57
1/5/2022	7.38	32.62	4.00	33.48	0.86
1/14/2022	6.95	33.05	3.51	33.97	0.92
1/21/2022	7.18	32.82	3.57	33.91	1.09
2/4/2022	7.74	32.26	3.94	33.54	1.28
2/11/2022	8.02	31.98	4.15	33.33	1.35

Table 2

Koppers Basin Water Elevation Measurements

Date	PZ-KB1		Koppers Basin (SW-KB)		Elevation Difference (feet)
	DTW (feet)	Water Elevation (feet COP)	DTW (feet)	Water Elevation (feet COP)	
2/21/2022	8.21	31.79	4.45	33.03	1.24
3/2/2022	7.75	32.25	4.09	33.39	1.14
3/9/2022	7.15	32.85	3.91	33.57	0.72
3/16/2022	7.62	32.38	3.95	33.53	1.15
3/20/2022	7.72	32.28	3.98	33.50	1.22
3/29/2022	7.69	32.31	4.00	33.48	1.17
4/5/2022	7.94	32.06	4.08	33.40	1.34
4/14/2022	7.22	32.78	3.87	33.61	0.83
4/21/2022	7.22	32.78	3.72	33.76	0.98
4/27/2022	7.18	32.82	3.74	33.74	0.92
5/5/2022	6.84	33.16	3.60	33.88	0.72
5/11/2022	6.77	33.23	3.45	34.03	0.80
5/20/2022	6.67	33.33	3.40	34.08	0.75
5/27/2022	6.99	33.01	3.60	33.88	0.87
6/1/2022	10.01	29.99	4.48	33.00	3.01
6/3/2022	7.50	32.50	4.80	32.68	0.18
6/9/2022	8.04	31.96	5.64	31.84	-0.12
6/14/2022	8.05	31.95	5.95	31.53	-0.42
6/28/2022	11.62	28.38	7.25	30.23	1.85
7/7/2022	9.68	30.32	8.00	29.48	-0.84
7/12/2022	10.14	29.86	8.50	28.98	-0.88
7/21/2022	10.72	29.28	8.74	28.74	-0.54
7/29/2022	11.00	29.00	8.68	28.80	-0.20
8/10/2022	11.48	28.52	8.77	28.71	0.19
8/20/2022	11.68	28.32	8.85	28.63	0.31
8/29/2022	11.99	28.01	8.95	28.53	0.52
9/2/2022	12.05	27.95	9.03	28.45	0.50
9/9/2022	12.05	27.95	Dry	< 28.28	--
9/19/2022	12.62	27.38	Dry	< 28.28	--
9/24/2022	12.91	27.09	Dry	< 28.28	--
10/5/2022	13.26	26.74	Dry	< 28.28	--
10/11/2022	13.40	26.60	Dry	< 28.28	--
10/17/2022	13.41	26.59	Dry	< 28.28	--
11/8/2022	12.41	27.59	Dry	< 28.28	--
11/18/2022	12.66	27.34	Dry	< 28.28	--
11/22/2022	12.56	27.44	Dry	< 28.28	--
11/30/2022	12.22	27.78	Dry	< 28.28	--
12/7/2022	12.36	27.64	Dry	< 28.28	--
12/13/2022	12.04	27.96	Dry	< 28.28	--
12/20/2022	11.91	28.09	Dry	< 28.28	--
12/28/2022	10.97	29.03	7.89	29.59	0.56

Notes:

Locations SW-KB, PZ-PB1, and MW-KW-2 are measured manually. All other locations recorded using pressure transdcuers.

1. Elevation of bottom of basin at SW-KB is 28.28 feet

COP: City of Portland datum

NM: not measured

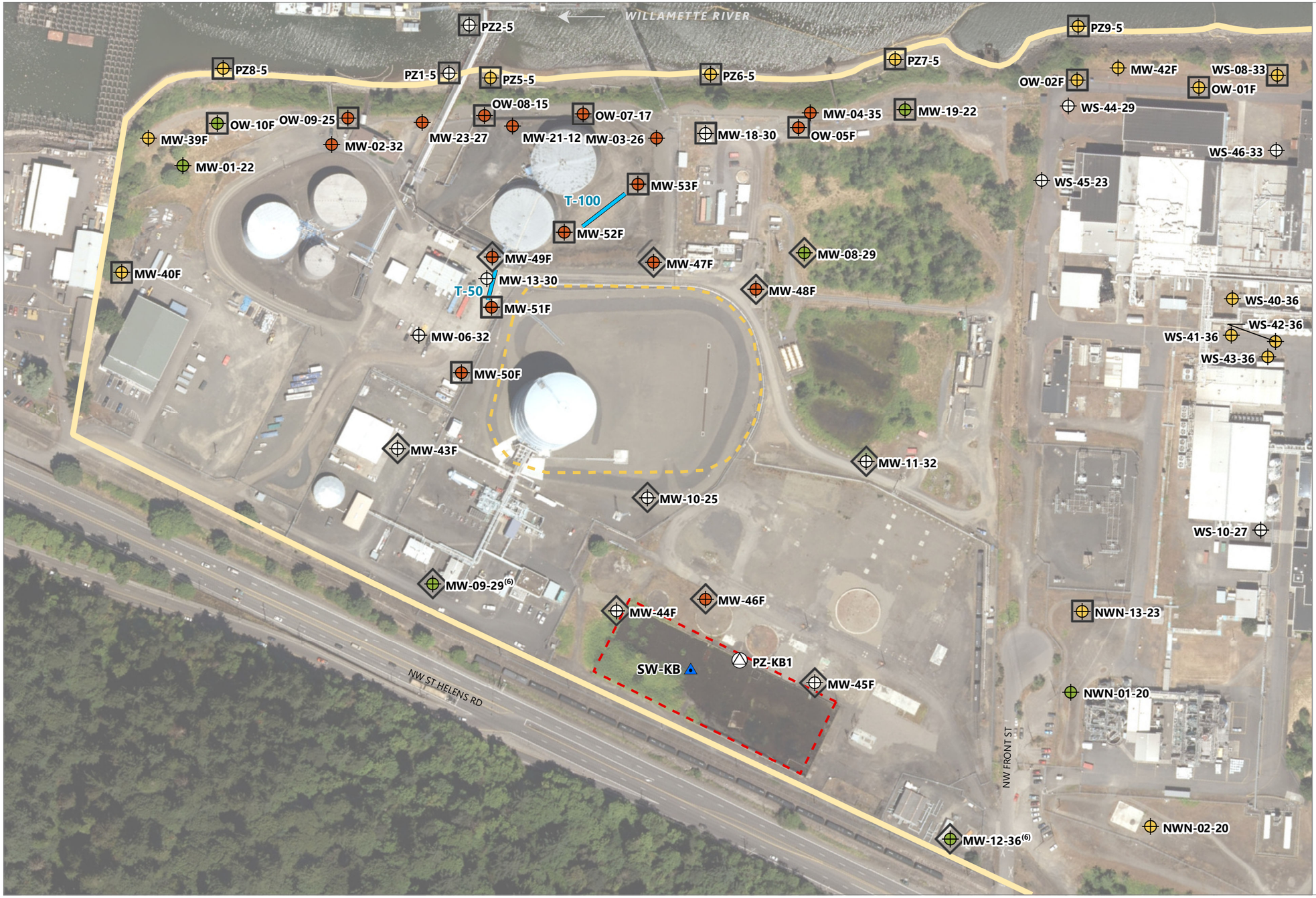
Table 3
Concentration and Mass of Contaminants in NW Natural Pretreatment Plant Expansion Influent

Contaminant Concentration (µg/L)	April 2022		May 2022		June 2022		July 2022		August 2022		September 2022		October 2022		November 2022		December 2022	
	T-50	T-100	T-50	T-100	T-50	T-100	T-50	T-100	T-50	T-100	T-50[3]	T-100[4]	T-50[3]	T-100	T-50[3]	T-100	T-50	T-100
Benzene	9,400	1,770	8,830	1,580	7,500	1,180	8,500	1,260	9,290	1,800	--	--	--	7,850	--	11,600	8,920	3,040
Benzo(a)pyrene	263	0	333	0	237	0	126	0	177	0	--	--	--	0	--	0	42.3	0
Naphthalene	4,560	821	6,200	857	4,300	648	4,090	1,050	4,380	1,050	--	--	--	1,880	--	1,810	2,180	821
Total Cyanide	89.7	158	88.4	194	93.9	177	92.3	187	85.7	223	--	--	--	192	--	150	70.4	191
Total VOCs[1]	11,264	2,124	10,456	2,034	8,858	1,410	9,818	1,545	10,608	2,086	--	--	--	8557.4	--	12,227	9,896	3,350
Total SVOCs[1]	23,685	987	28,918	1,039	19,682	836	13,592	1,303	17,247	1,290	--	--	--	2189.29	--	2,091	6,014	1,033
Copper	8.73	0	0	0	0	0	1.88	0	0	1.16	--	--	--	0	--	0	0	0
Iron	71,000	23,200	61,700	28,000	29,600	30,900	49,700	29,500	46,800	28,500	--	--	--	32,200	--	23,700	55,800	30,500
Pumped Volume (MG)	0.93	0.40	1.03	0.45	0.98	0.47	0.79	0.29	0.66	0.20	0.22	0.17	0	0.24	0.28	0.32	0.58	0.29

Contaminant Mass Removed (lbs)	April 2022		May 2022		June 2022		July 2022		August 2022		September 2022		October 2022		November 2022		December 2022	
	T-50	T-100	T-50	T-100	T-50	T-100	T-50	T-100	T-50	T-100	T-50[3]	T-100[4]	T-50[3]	T-100	T-50[3]	T-100	T-50	T-100
Benzene	73	6	76	6	61	5	56	3	51	3	--	--	--	16	--	31	43	7
Benzo(a)pyrene	2	0	3	0	2	0	1	0	1	0	--	--	--	0	--	0	0	0
Naphthalene	35	3	54	3	35	3	27	3	24	2	--	--	--	4	--	5	11	2
Total Cyanide	1	1	1	1	1	1	1	0	0	0	--	--	--	0	--	0	0	0
Total VOCs[1]	87	7	90	8	72	6	65	4	58	4	--	--	--	17	--	33	48	8
Total SVOCs[1]	184	3	250	4	160	3	90	3	94	2	--	--	--	4	--	6	29	3
Copper	0.07	0	0	0	0	0	0.01	0	0	0	--	--	--	0	--	0	0	0
Iron	551	77	533	104	241	121	329	70	256	49	--	--	--	65	--	64	270	74

Notes:
Values below detection limit are shown as zero in this table (ND=0).
1. Total VOCs and Total SVOCs were calculated by adding all contaminants within each category and setting non-detect and estimated values due to matrix interference equal to zero. Estimated results detected above the specified MDL or MRL were included in the total.
2. Calculated values were rounded to three significant figures.
3. No sample taken due to work being performed on the Fill WBZ Interceptor system.
4. No sample taken due to no flow from Koppers Basin (dry weather)
µg/L: microgram per liter
lbs: pound
MDL: method detection limit
MG: million gallon
MRL: method reporting limit
ND: non-detect
SVOC: semivolatile organic compound
VOC: volatile organic compound

Figures



LEGEND:

- Approximate Gasco OU Boundary
- LNG Tank Basin
- Former Koppers Tank Basin
- Piezometer PZ-KB1
- Surface Water Elevation
- LNG Basin Interceptor Trench Location

Fill WBZ Monitoring Wells – Sampling Frequency

- Quarterly
- Semiannual (Q1, Q3)
- Annual (Q3)
- Other
- Transducer Location Identified in the March 2018 LNG Basin/Koppers Basin Monitoring Plan
- Other Transducer Locations

NOTES:

1. Arrow indicates direction of flow of river.
2. Horizontal datum is NAD83 Oregon State Plane North, International Feet.
3. Aerial imagery from City of Portland, summer 2020.
4. Monitoring wells MW-46F, MW-47F, MW-48F, and MW-49F were installed with transducers in April and May 2018 as part of the DEQ-approved LNG Basin and Former Koppers Basin groundwater monitoring program.
5. Transducers were installed in monitoring wells MW-10-25, MW-11-32, and MW-12-36 in 2016 and MW-08-29, MW-09-29, MW-43F, MW-44F, and MW-45F in May 2018.
6. Two Upper Alluvium WBZ wells, MW-09-29 and MW-12-36, are being monitored at the request of DEQ to provide data along the upgradient site boundary where fill is thinner and typically dry.

0 300
Feet

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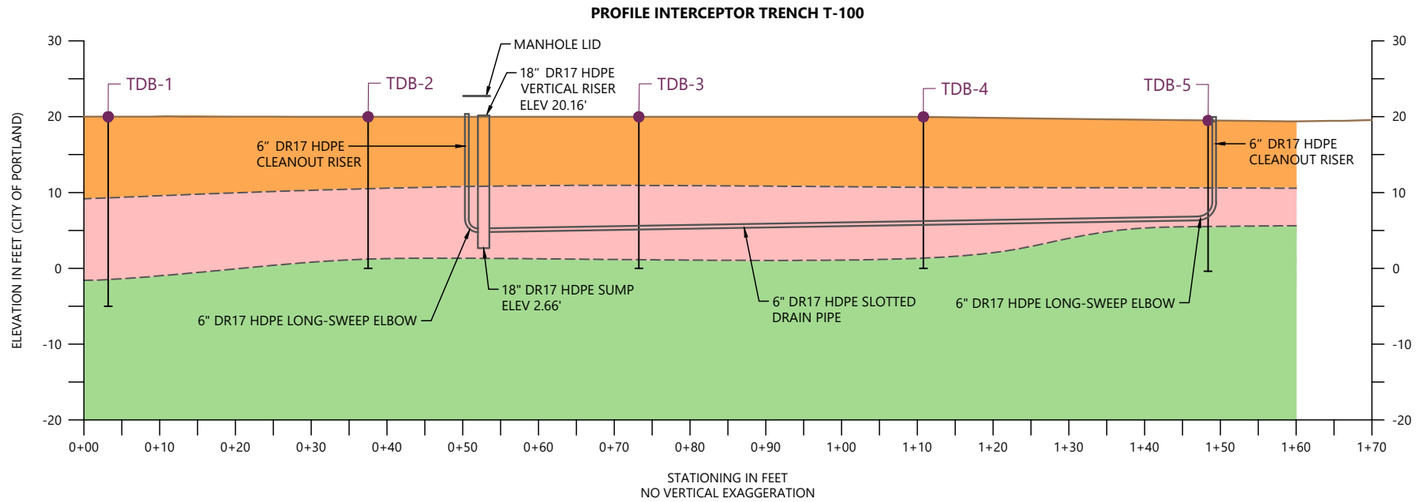
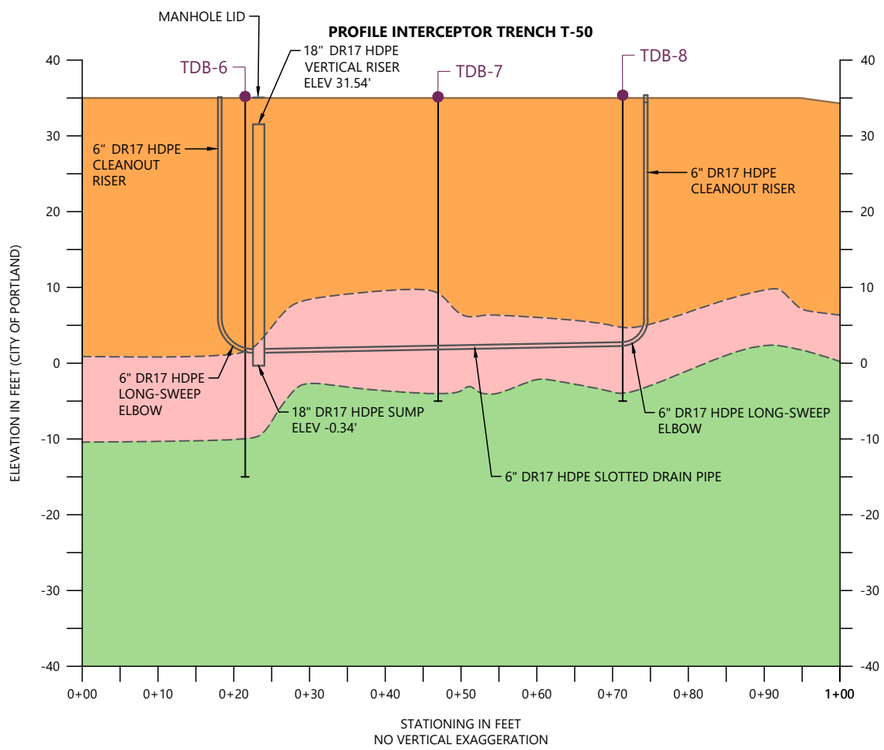
ANCHOR QEA

Figure 1
Site Plan
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site





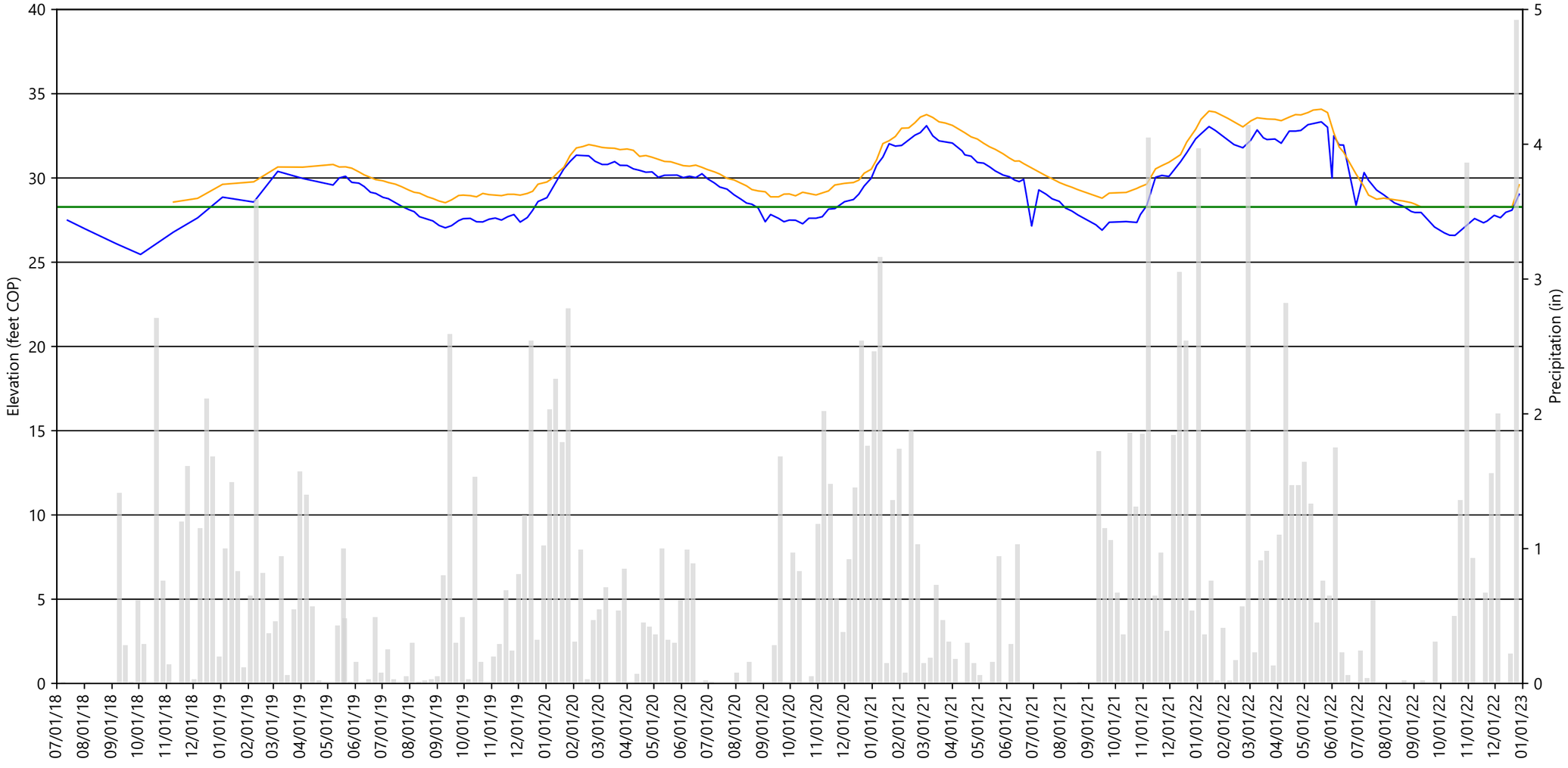
LEGEND:

- TDB-5 ● TRENCH DESIGN BORING
- EXISTING GROUND SURFACE
- GEOLOGIC CONTACT (INFERRED)
- FILL WBZ – FILL COMPOSED OF GRAVEL, SILT, SAND, METAL, BRICK, AND CONCRETE DEBRIS
- PRIMARILY SILT AND SANDY-SILT INTERBEDDED WITH THIN SAND AND SILTY-SAND LAYERS
- UPPER ALLUVIUM WBZ – PRIMARILY FINE- TO MEDIUM-GRAINED SAND AND SILTY-SAND INTERBEDDED WITH THIN SILT AND SANDY-SILT LAYERS

Publish Date: 2023/05/22 10:32 AM | User: hmerrick
Filepath: K:\Projects\0029-NW Natural Gas Co\LNG Basin Source Control\Trench O&M Manual\0029-PL-007 (Interceptor Trench).dwg Figure 2

ANCHOR QEA

Figure 2
Trench Construction Details



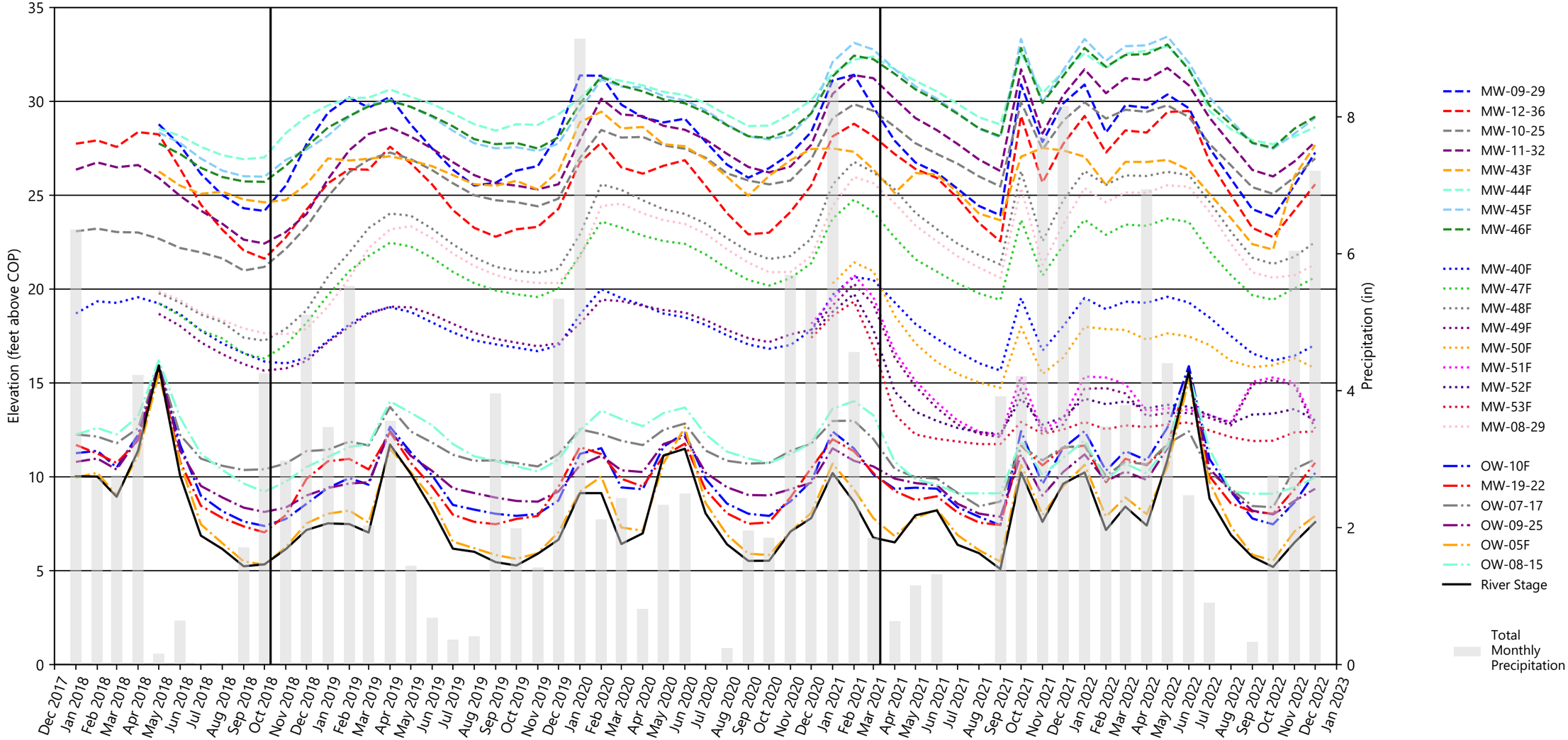
Notes:
1. Koppers Basin (SW-KB) was dry until November 2018 (water elevation <28.28 ft COP).
2. Manual Koppers Basin (SW-KB) and Fill WBZ (PZ-KB1) water elevation measurements are presented in Table 2.
3. Precipitation data taken from Gasco Anchor QEA field site.
4. Weekly precipitation data summed from daily data and plotted on the first day (i.e. Sunday) of each week.

- Fill WBZ Elevation (PZ-KB1)
- Water Elevation in Koppers Basin (SW-KB)
- Bottom Elevation of Koppers Basin
- Total Weekly Precipitation

Publish Date: 05/01/2023 13:42 PM | User: SEA-JLIN2
\\FUJI\Anchor\Projects\NW Natural\Gasco\Gasco Uplands\LNG-Koppers GW Evaluation\Working\Python_Analysis\PythonScripts\Figure3_water_elevations_wprecip_bar.py

ANCHOR QEA

Figure 3
Comparison of Water Level in Koppers Basin and Piezometer
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site

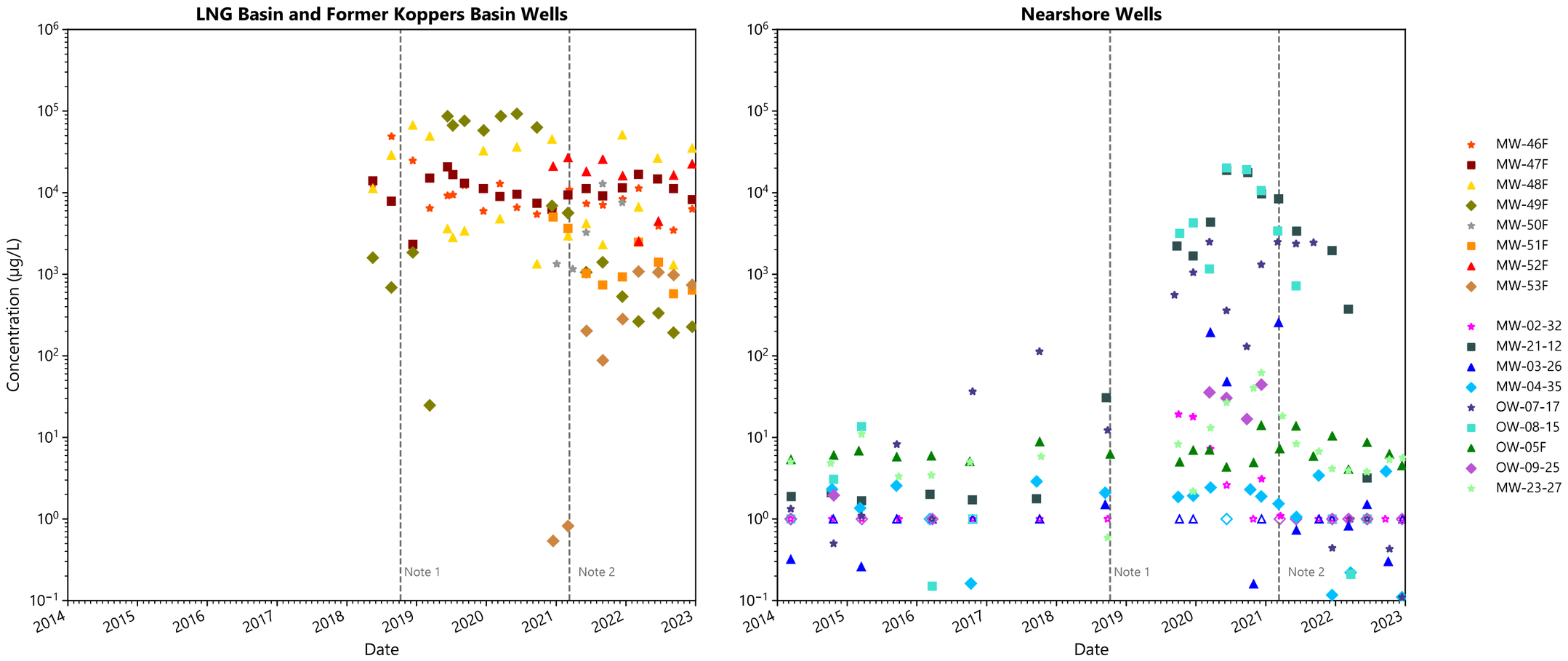


Notes:
1. Precipitation data taken from Gasco Anchor QEA field site.
2. Transducer data collection began mid-May 2018 for wells MW-08-29, MW-09-29, and MW-43F to MW-49F; December 2020 for MW-51F, MW-52F, and MW-53F; and January 2021 for MW-50F.
3. All of the wells in the monitoring network for this program are screened in the Fill WBZ except MW 09-29 and MW 12-36, which are screened in the Upper Alluvium WBZ.

Publish Date: 04/28/2023 08:42 AM | User: SEA-JLIN2
\\FUJI\Anchor\Projects\NW Natural\Gasco\Gasco Uplands\LNG-Koppers GW Evaluation\Working\Python_Analysis\PythonScripts\Figure4_GW_Levels_Precip_River.py

ANCHOR QEA

Figure 4
Summary of Monthly Groundwater Elevations, River Stage, and Precipitation
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
1. Vertical line indicates date LNG Basin pumping was discontinued.
2. Vertical line indicates date trench system pumping began.
3. Open circles denote non-detects.
4. New wells MW-50F, MW-51F, MW-52F, and MW-53F were installed in December 2020 and January 2021.
5. Totals are calculated as the sum of all detected results (U = 0 is applied when individual concentrations are a mix of detect and non-detects). If all results are non-detect, the highest reporting limit value is reported as the sum.

Publish Date: 05/02/2023 08:55 AM | User: SEA-JLIN2
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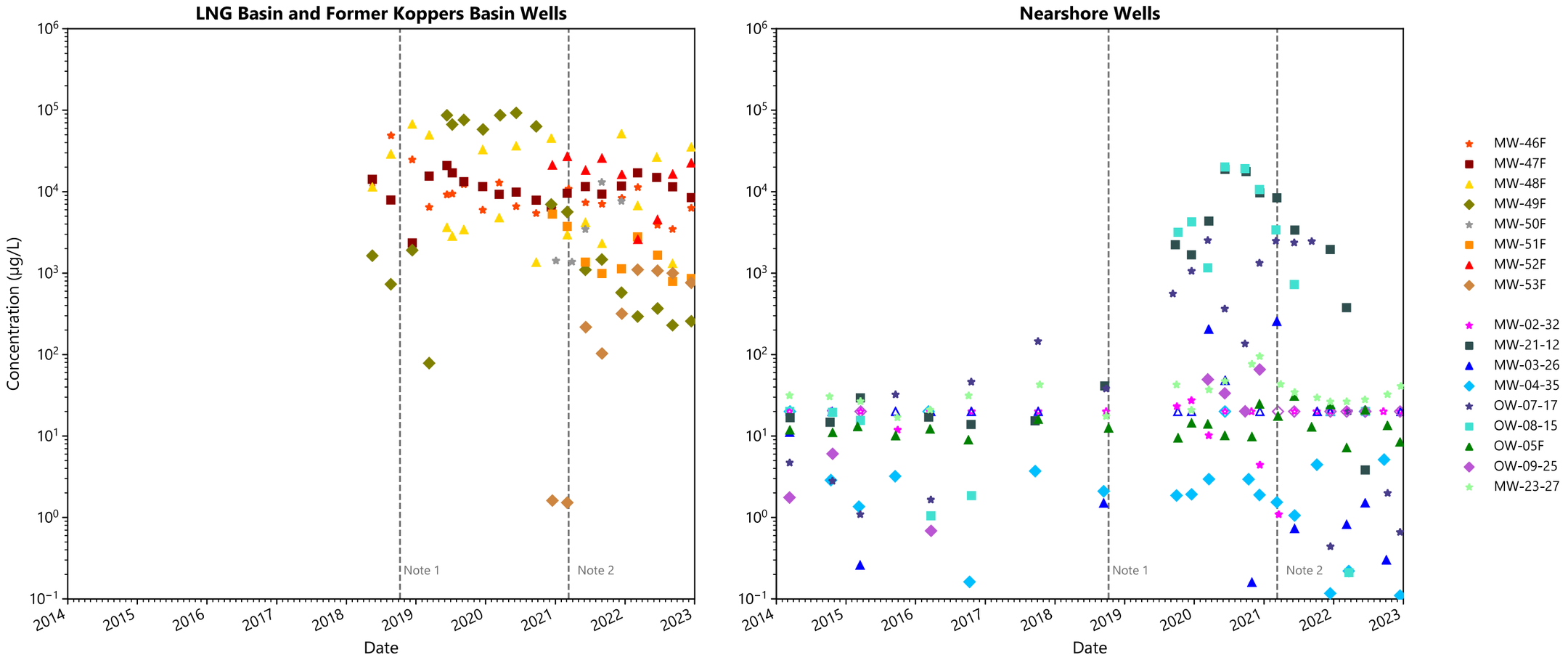
Figure 5
Time versus Total BTEX (U = 0) Concentration
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site

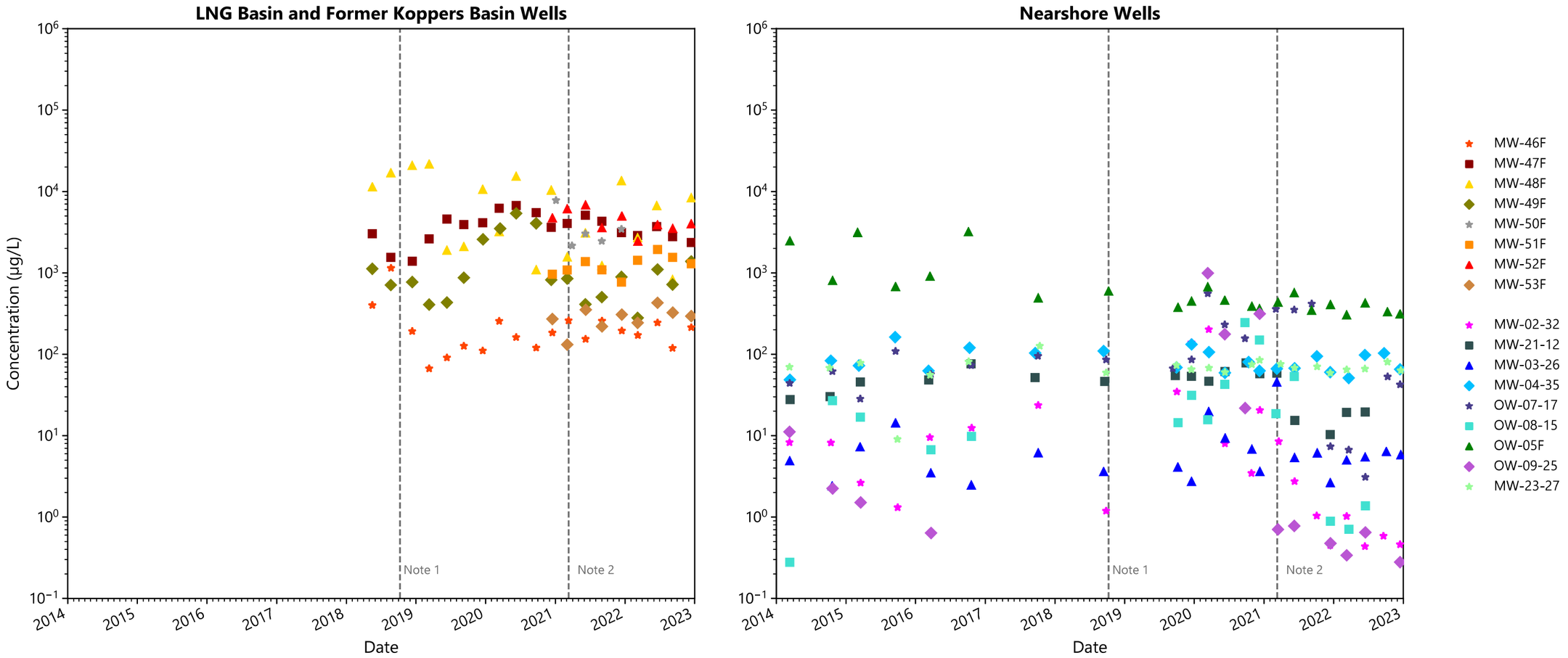


Notes:
1. Vertical line indicates date LNG Basin pumping was discontinued.
2. Vertical line indicates date trench system pumping began.
3. Open circles denote non-detects.
4. New wells MW-50F, MW-51F, MW-52F, and MW-53F were installed in December 2020 and January 2021.
5. Totals are calculated as the sum of all detected results (U = 0 is applied when individual concentrations are a mix of detect and non-detects). If all results are non-detect, the highest reporting limit value is reported as the sum.
6. Total VOC values presented in this figure have been updated to exclude naphthalene concentrations. Previously, naphthalene was inadvertently included in both the total VOC and the total PAH sums. Moving forward, naphthalene will be accounted for in the total PAH sum.

Publish Date: 05/02/2023 08:55 AM | User: SEA-JLIN2
\\FUJI\Anchor\Projects\NW Natural\Gasco\Gasco Uplands\LNG-Koppers GW Evaluation\Working\Python_Analysis\PythonScripts\Figures567_TimeConcentrationPlots.py

ANCHOR QEA

Figure 6
Time versus Total VOC (U = 0) Concentration
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
1. Vertical line indicates date LNG Basin pumping was discontinued.
2. Vertical line indicates date trench system pumping began.
3. Open circles denote non-detects.
4. New wells MW-50F, MW-51F, MW-52F, and MW-53F were installed in December 2020 and January 2021.
5. Totals are calculated as the sum of all detected results (U = 0 is applied when individual concentrations are a mix of detect and non-detects). If all results are non-detect, the highest reporting limit value is reported as the sum.

Publish Date: 05/02/2023 08:55 AM | User: SEA-JLIN2
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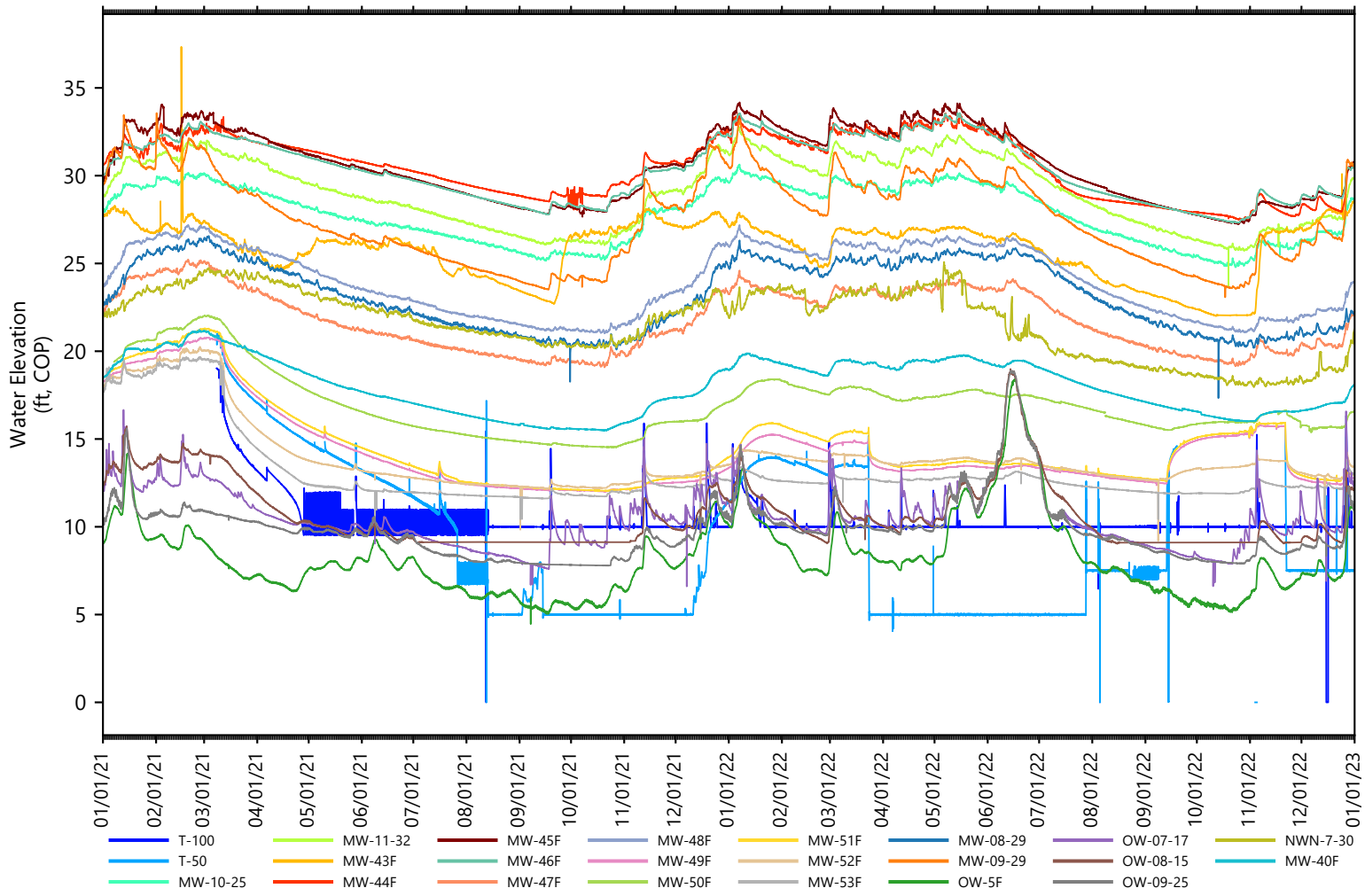
Attachment A
Trench Hydrographs and Pumping Rates

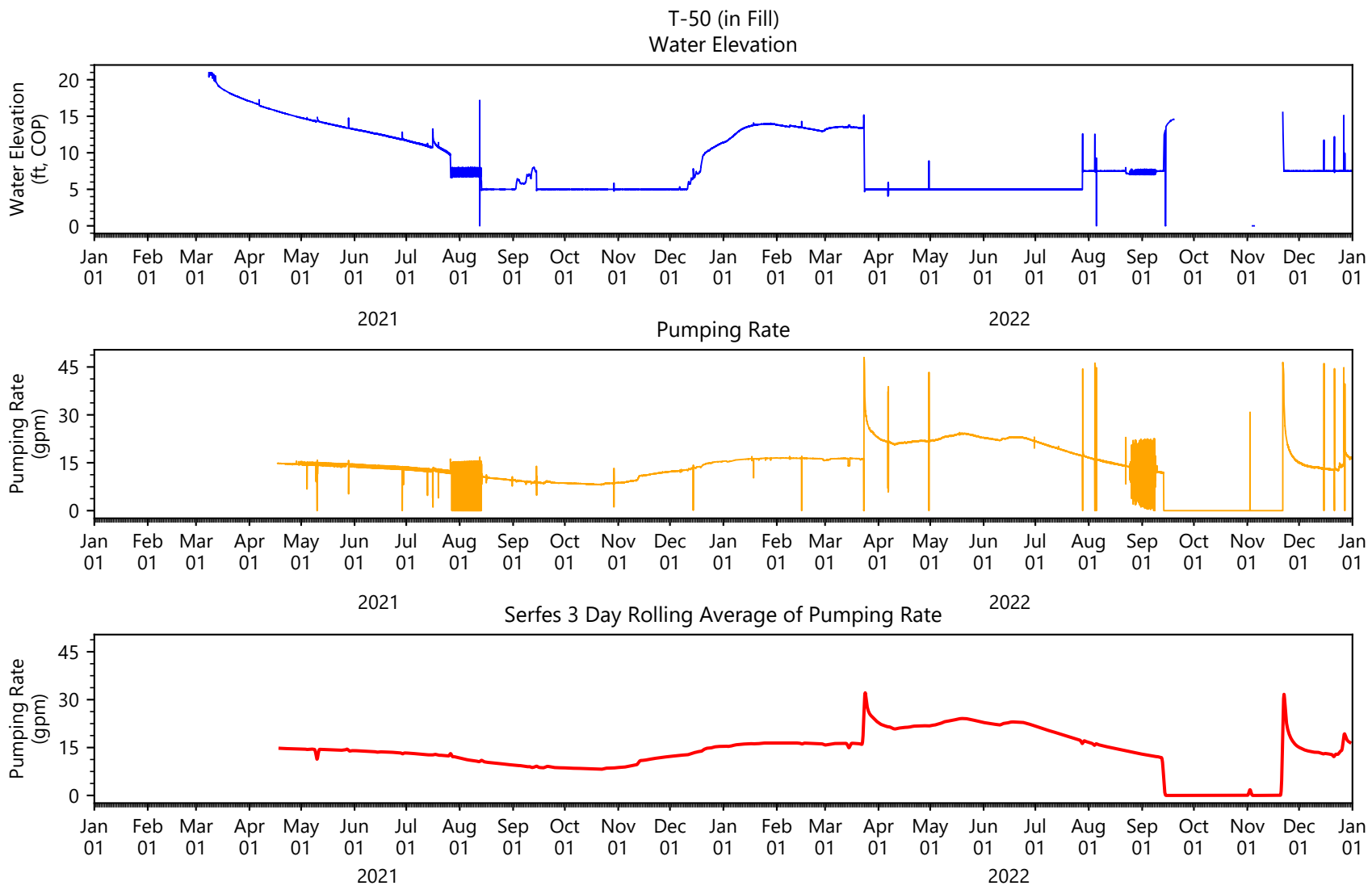


Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

Publish Date: 04/27/2023 11:59 AM | User: ZW
File Path: \\wcl-hg1\Hg\Gasco_SC\Python\Gasco_User_Input_Plots\EQuIS\elevation_time_series_LNG_all_in_one_test.py

ANCHOR QEA

Figure A-1
Groundwater Elevations Wells
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Quarter Through Fourth Quarter 2022
NW Natural Gasco Site



Notes: COP = City of Portland Datum.

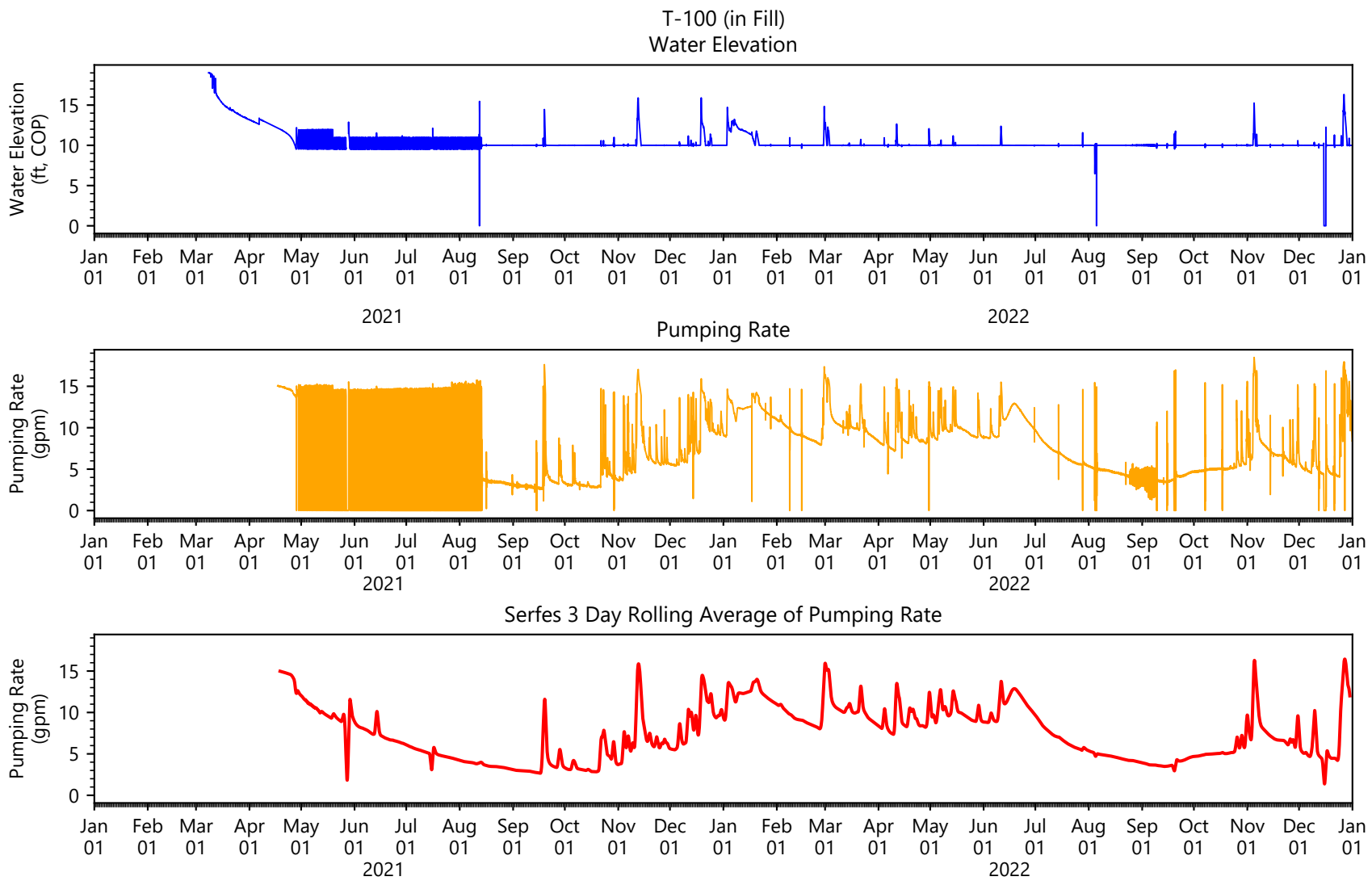
Publish Date: 04/27/2023 11:54 AM | User: BA
File Path: \\wcl-hg1\Hg\Gasco_SC\Python\Gasco_User_Input_Plots\EQuIS\pumping_time_series_trenches_EQuIS_test.py

ANCHOR QEA

Groundwater Elevation
Pumping Rate: 15-min Data
Pumping Rate: Serfes Averages

Figure A-2

LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Quarter Through Fourth Quarter 2022
NW Natural Gasco Site



Notes: COP = City of Portland Datum.

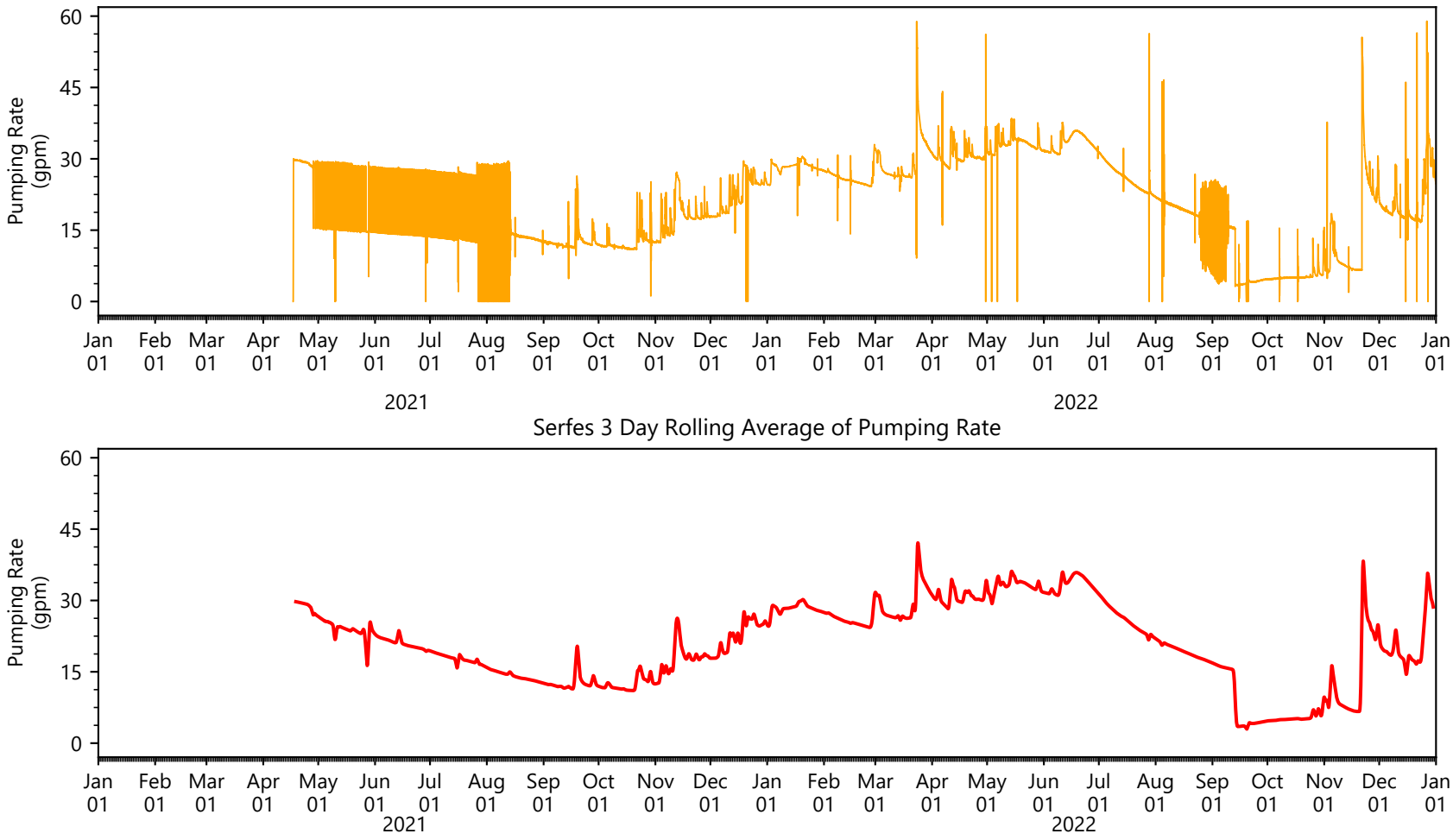
Publish Date: 04/27/2023 11:54 AM | User: BA
File Path: \\wcl-hg1\Hg\Gasco_SC\Python\Gasco_User_Input_Plots\EQuIS\pumping_time_series_trenches_EQuIS_test.py

ANCHOR QEA

Groundwater Elevation
Pumping Rate: 15-min Data
Pumping Rate: Serfes Averages

Figure A-3

LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Quarter Through Fourth Quarter 2022
NW Natural Gasco Site



Notes: COP = City of Portland Datum.

Publish Date: 04/27/2023 11:54 AM | User: BA
File Path: \\wcl-hg1\Hg\Gasco_SC\Python\Gasco_User_Input_Plots\EQuIS\pumping_time_series_trenches_EQuIS_test.py

ANCHOR QEA

Pumping Rate: 15-min Data
Pumping Rate: Serfes Averages

Figure A-4

LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Quarter Through Fourth Quarter 2022
NW Natural Gasco Site

Attachment B
Field Sampling Data Sheets

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** MW-2-32

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-061422-01

DUP ID: GS-061422-02 Time: 1000

WIND FROM:	N	NE	E	SE	S	SW	(W)	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(PRTLY CLDY)		(CLOUDY)		RAIN		No Wind	**TEMPERATURE:**	52 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
6/14/2022	08:51	5.84	—	32.1	—	16.26	X 1	2.65
〃	〃	〃	〃	〃	〃	〃	X 3	7.95

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	6/14/22	09:50	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	〃	〃	〃	2	125ml	None	YES	NO	---	✓
Green Poly	〃	〃	〃	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	〃	〃	〃	1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	〃	〃	〃	—	250ml	HNO_3	YES	YES	---	
White Poly**	〃	〃	〃	—	500ml	None	YES	NO	---	
VOA Glass*	6/14/22	09:50	B	3	40ml	HCL	YES	NO	---	✓
Amber Glass*	〃	〃	〃	4	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 17 x2 (DUP) = 34 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)			
VOA vial - Glass	VOCs (3 VOAs)	VOCs SIM (3 VOAs)	*NWTPH-Gx (same as VOCs)	*VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (2x1L)	*EPH (2x1L)	
GREEN - Poly	Total Cyanide	Free Cyanide	Available Cyanide	
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn)		**Additional Total Metals: (Ca, K, Na, Mg)	
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)			
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)			

WATER QUALITY DATA Purge Start Time: 0906 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	0910	1.9	15.93	6.14	448.6	17.0	0.23	107.1	1.71	Clear, colorless
2	B	0914	3.8	15.93	6.23	466.7	17.0	0.23	97.6	2.25	〃 〃
3	B	0918	5.7	15.93	6.25	552.3	16.9	0.28	94.8	1.75	〃 〃
4	B	0922	7.6	15.93	6.27	618	17.0	0.33	88.2	3.42	〃 〃
5	B	0926	8.5	15.93	6.29	652	17.0	0.39	83.7	4.20	〃 〃
6	B	0930	9.4	15.93	6.29	650	17.0	0.44	84.2	1.76	〃 〃
7	B	0934	10.3	15.93	6.30	625	17.0	0.55	87.2	1.36	〃 〃
8	B	0938	11.2	15.93	6.31	634	17.0	0.59	89.2	1.42	〃 〃
9	B	0942	12.1	15.93	6.32	639	16.9	0.63	91.0	1.05	〃 〃
10	~~B~~										
11											
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** MW-23-27

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-061422-03

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	58 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
6/14/2022	10:56	15.74	—	30.3	—	14.56	X 1	2.37
1	1	—	—	—	—	—	X 3	7.11

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	6/14/22	12:00	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	1	1	1	2	125ml	None	YES	NO	---	✓
Green Poly	1	1	1	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	1	1	1	1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	1	1	1	1	250ml	HNO_3	YES	YES	---	
White Poly**	1	1	1	1	500ml	None	YES	NO	---	
VOA Glass*	6/14/22	12:00	B	3	40ml	HCL	YES	NO	---	✓
Amber Glass*	1	1	1	4	1L	HCl	YES	NO	---	✓
Total Bottles (include duplicate count):				17	MS & MSD (circle if collected)					

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1102 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) (L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	HB	1106	1.6	17.48	6.44	552.0	14.5	0.25	49.9	3.20	Clear, colorless
2	B	1110	3.2	17.63	6.44	553.0	14.5	0.22	-1.3	4.23	" "
3	B	1114	4.8	17.68	6.45	519.4	14.6	0.21	-35.8	2.97	" "
4	B	1118	6.4	17.69	6.47	510.5	14.7	0.21	-59.0	2.29	" "
5	B	1122	8.0	17.69	6.47	510.3	14.7	0.21	-76.7	3.67	" "
6	B	1126	9.6	17.70	6.48	510.2	14.7	0.21	-88.9	3.92	" "
7	B	1130	11.2	17.70	6.49	505.6	14.7	0.22	-100.8	2.11	" "
8	B	1134	12.8	17.72	6.49	506.1	14.8	0.21	-108.6	1.40	" "
9	B	1138	14.4	17.73	6.50	502.5	14.8	0.20	-115.7	3.21	" "
10	B	1142	16.0	17.74	6.51	502.4	14.8	0.20	-121.0	1.99	" "
11											
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: Tides during purging (circle one): Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** MW-4-35

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-061422-04

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	63 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
6/14/2022	13:21	16.54	—	37.7	~~37.70~~	21.16	X 1	3.45
1 4	↓	↓	↓	↓	↓	↓	X 3	10.35

Gal/ft = (dia./2)² x 0.163	1" = 0.041	2" = 0.163	6" = 1.469	8" = 2.611	NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time *	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	6/14/22	~~13~~ 14:10	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	1 1	↓	↓	2	125ml	None	YES	NO	---	✓
Green Poly	1 1	↓	↓	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	1 1	↓	↓	1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	1 +	↓	—	--	250ml	HNO_3	YES	YES	---	
White Poly**	1 +	↓	—	--	500ml	None	YES	NO	---	
VOA Glass*	6/14/22	~~13~~ 14:10	B	3	40ml	HCL	YES	NO	---	✓
Amber Glass*	1 1	14:10	↓	4	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 17 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 13:23 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) (L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1327	1.6	17.90	6.71	971	14.2	0.25	-26.6	2.60	Clear, colorless, w/ S.S.
2	B	1331	3.2	18.23	6.77	963	14.1	0.25	-58.8	0.97	Clear, colorless
(1.4)↓ 3	B	1335	4.6	18.28	6.78	958	14.2	0.25	-82.9	0.78	" "
4	B	1339	6.0	18.29	6.79	957	14.1	0.25	-96.8	0.65	" "
5	B	1343	7.4	18.28	6.79	957	14.1	0.25	-106.4	0.47	" "
6	B	1347	8.8	18.27	6.80	958	14.1	0.24	-113.2	0.39	" "
7	B	1351	10.2	18.26	6.80	958	14.1	0.25	-117.8	0.59	" "
8	B	1355	11.6	18.25	6.80	957	14.2	0.25	-120.6	0.79	" "
9											
10											
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[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: Tides during purging (circle one): Ebb (going out) Slack Flood (coming in) S.S. = Suspended Solids

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered. * - sample @ 14:10

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Lofton (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** MW-21-12

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-061522-05

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	59 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
6/15/2022	10:13	5.09	—	16.8	—	11.71	X 1	1.91
/	/	—	—	—	—	—	X 3	5.73

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	6/15/22	11:10	B	6	40 ml	HCl	YES	NO	---	√
Amber Glass	/	:		2	125ml	None	YES	NO	---	√
Green Poly	/	:		1	125ml	NaOH	YES	NO	---	√
Red Poly-total	/	↓	↓	1	250ml	HNO_3	YES	NO	---	√
Red Poly-diss**	/	↓	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/	↓	↓	—	500ml	None	YES	NO	---	
VOA Glass*	6/15/22	11:10	B	3	40ml	HCL	YES	NO	---	√
Amber Glass*	/	↓	↓	4	1L	HCl	YES	NO	---	√

Total Bottles (include duplicate count): 17 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1027 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1031	1.9	6.20	6.48	395.3	14.4	0.15	12.2	10.94	Clear, colorless
2	B	1035	3.6	6.11	6.51	425.2	14.4	0.19	-17.8	4.99	" "
3	B	1039	5.1	6.10	6.55	421.7	14.4	0.16	-41.2	4.81	" "
4	B	1043	6.7	6.09	6.55	414.1	14.4	0.15	-48.9	5.29	" "
5	B	1047	8.1	6.09	6.57	412.9	14.4	0.15	-51.7	3.67	" "
6	B	1051	9.7	6.09	6.58	413.7	14.4	0.15	-54.4	3.65	" "
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(1.6)L

Comments: Tides during purging (circle one): Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Dan Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** MW-3-26

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-061522-06

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	(NW)	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		(CLOUDY)		RAIN		No Wind	**TEMPERATURE:**	57 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
6/15/2022	11:31	15.21	—	28.8	—	13.59	X 1	2.22
/	:						X 3	6.66

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	6/15/22	12:20	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/	/	/	2	125ml	None	YES	NO	---	✓
Green Poly	/	/	/	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/	/	/	1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/	—	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/	—	—	—	500ml	None	YES	NO	---	
VOA Glass*	6/15/22	12:20	B	3	40ml	HCL	YES	NO	---	✓
Amber Glass*	/	/	/	4	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 17 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)			
VOA vial - Glass	VOCs (3 VOAs)	VOCs SIM (3 VOAs)	*NWTPH-Gx (same as VOCs)	*VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (2x1L)	*EPH (2x1L)	
GREEN - Poly	Total Cyanide	Free Cyanide	Available Cyanide	
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn)		**Additional Total Metals: (Ca, K, Na, Mg)	
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)			
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)			

WATER QUALITY DATA Purge Start Time: 1136 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1140	1.6	15.94	6.54	626.6	14.3	0.29	62.0	2.77	Clear, colorless
2	B	1144	3.2	15.99	6.59	633	14.3	0.21	33.7	3.82	" "
3	B	1148	4.8	15.99	6.62	631	14.3	0.18	15.7	2.56	" "
4	B	1152	6.4	15.98	6.61	629	14.3	0.17	-0.9	3.12	" "
5	B	1156	8.0	15.98	6.62	625.9	14.4	0.17	-17.5	2.96	" "
6	B	1200	9.6	15.97	6.62	622.4	14.4	0.17	-29.7	2.70	" "
7	B	1204	11.2	15.96	6.62	618.6	14.4	0.17	-37.6	3.28	" "
8	B	1208	12.8	15.95	6.61	618.8	14.4	0.18	-41.3	3.15	" "
9	B	1212	14.4	15.94	6.61	616.3	14.4	0.19	-43.7	2.67	" "
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Comments: **Tides during purging (circle one):** (Ebb (going out)) **Slack** **Flood (coming in)**

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Dave Lawson (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** OW-51

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS- 061522-07

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	(NW)	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		(CLOUDY)		RAIN		No Wind	**TEMPERATURE:**	64 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
6/15/2022	13:49	16.45	—	36.2	—	19.75	X 1	3.22
〃	〃	〃	〃	〃	〃	〃	X 3	9.66

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	6/15/22	14:35	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	〃	〃	〃	2	125ml	None	YES	NO	---	✓
Green Poly	〃	〃	〃	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	〃	〃	〃	1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	〃	〃	〃	〃	250ml	HNO_3	YES	YES	---	
White Poly**	〃	〃	〃	〃	500ml	None	YES	NO	---	
VOA Glass*	〃	〃	〃	〃	40ml	HCL	YES	NO	---	
Amber Glass*	〃	〃	〃	〃	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1354 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1358	1.4	16.65	6.90	965	14.3	0.11	27.2	4.65	Clear, colorless
2	B	1402	2.8	16.65	6.90	964	14.3	0.13	-18.4	2.51	〃 〃
3	B	1406	4.2	16.64	6.95	966	14.3	0.12	-62.6	1.31	〃 〃
4	B	1410	5.6	16.63	6.98	967	14.3	0.11	-91.4	1.84	〃 〃
5	B	1414	7.0	16.62	6.98	967	14.4	0.10	-104.7	2.06	〃 〃
6	B	1418	8.4	16.62	7.00	967	14.4	0.09	-114.8	1.94	〃 〃
7	B	1422	9.8	16.63	7.01	964	14.4	0.10	-119.9	2.28	〃 〃
8	B	1426	11.2	16.63	7.02	964	14.3	0.09	-123.6	2.36	〃 〃
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Comments: Tides during purging (circle one): (Ebb (going out)) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Caffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** OW-7-17

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-061622-09

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	64 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
6/16/2022	09:58	7.53	—	20.0	—	12.47	X 1	2.03
/	/	—	—	—	—	—	X 3	6.09

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	6/16/22	10:00	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/ /	:		2	125ml	None	YES	NO	---	✓
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/ /	:		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/ /	:	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/ /	:	—	—	500ml	None	YES	NO	---	
VOA Glass*	/ /	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 0921 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	0925	1.6	7.58	6.49	286.0	14.9	7.63	111.2	35.71	Orange tint
2	B	0929	3.2	7.58	6.50	282.1	14.9	6.19	105.6	14.60	Clear, colorless
3	B	0933	4.8	7.58	6.51	276.1	14.9	5.68	102.1	9.92	" "
4	B	0937	6.4	7.58	6.51	278.3	14.8	5.13	99.9	6.67	" "
5	B	0941	8.0	7.59	6.51	279.4	14.8	4.81	98.1	6.91	" "
6	B	0945	9.6	7.59	6.53	280.1	15.0	4.56	96.8	4.36	" "
7	B	0949	11.2	7.59	6.53	281.4	15.1	4.44	96.0	4.62	" "
8	B	0953	12.8	7.59	6.54	283.1	15.1	4.40	95.3	4.72	" "
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Comments: **Tides during purging (circle one):** **Ebb (going out)** **Slack** **Flood (coming in)**

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Lufkin (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** OW-8-15

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-061622-10

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	63 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
6/16/2022	10:11	7.45	—	17.2	—	9.75	X 1	1.59
/	/	—	—	—	—	—	X 3	4.77

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	6/16/22	11:25	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/	/		2	125ml	None	YES	NO	---	✓
Green Poly	/	/		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/	/		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/	/	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/	/	—	—	500ml	None	YES	NO	---	
VOA Glass*	/	/	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/	/	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1015 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) (L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1019	1.6	7.59	6.89	214.3	14.4	13.71	147.3	18.07	Clear, colorless
2		Stopped to recal DO - start over									
3	B	1052	1.6	7.60	6.07	202.3	14.2	5.31	201.8	13.70	Clear, colorless
4	B	1056	3.2	7.60	6.34	199.6	14.3	5.27	190.9	11.64	" "
5	B	1100	4.8	7.60	6.55	200.6	14.4	5.11	185.4	11.54	" "
6	B	1104	6.4	7.59	6.62	200.7	14.3	5.16	183.0	10.50	" "
7	B	1108	8.0	7.59	6.65	199.5	14.4	5.18	182.8	10.67	" "
8	B	1112	9.6	7.59	6.67	199.0	14.5	5.17	183.0	9.89	" "
9											
10											
11											
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Dory Loriffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** OW-9-25

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-061622-11

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	TEMPERATURE:	64 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
6/16/2022	11:33	16.39	—	27.6	—	11.21	X 1	1.83
/	/	—	—	—	—	—	X 3	5.49

Gal/ft = (dia./2)^2 x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	6/16/22	12:05	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/	:		2	125ml	None	YES	NO	---	✓
Green Poly	/	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/	:		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/	:	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/	:	—	—	500ml	None	YES	NO	---	
VOA Glass*	/	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/	:	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1137 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method § [Select A-G]	Time (24hr)	Purged (gal)(L) [Cumulative Totals]	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality [Clarity, Color]
1	B	1141	1.6	16.50	6.27	267.7	15.1	1.49	201.0	3.34	Clear, colorless
2	B	1145	3.2	16.49	6.27	269.9	15.1	1.31	201.7	2.43	" "
3	B	1149	4.8	16.49	6.27	270.1	15.1	1.27	202.1	2.50	" "
4	B	1153	6.4	16.49	6.29	270.4	15.1	1.24	202.2	2.42	" "
5											
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13											
14											
15											

Comments: Tides during purging (circle one): Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Lindfoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** MW-48F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-061622-12

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	(SW)	W	NW	(LIGHT)	(MEDIUM)	HEAVY
WEATHER:	SUNNY		(PRTLY CLDY)		(CLOUDY)		RAIN		No Wind	**TEMPERATURE:**	66 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
6/16/2022	13:28	11.69	—	29.7	—	18.01	X 1	2.94
/	/	—	—	—	—	—	X 3	8.82

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	6/16/22	14:25	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/	/	/	2	125ml	None	YES	NO	---	✓
Green Poly	/	/	/	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/	/	/	1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/	/	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/	/	—	—	500ml	None	YES	NO	---	
VOA Glass*	/	/	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/	/	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1337 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1341	1.5	11.73	6.55	460.3	14.6	0.10	46.2	5.74	Clear, colorless
2	B	1345	3.0	11.73	6.55	459.0	14.6	0.06	20.5	2.87	" "
3	B	1349	4.5	11.73	6.64	458.5	14.6	0.05	1.2	2.78	" "
4	B	1353	6.0	11.73	6.62	459.4	14.6	0.06	-18.1	2.23	" "
5	B	1357	7.5	11.73	6.62	461.9	14.6	0.06	-34.3	2.43	" "
6	B	1401	9.0	11.73	6.68	463.5	14.7	0.06	-52.9	2.02	" "
7	B	1405	10.5	11.73	6.68	464.8	14.8	0.05	-64.6	1.83	" "
8	B	1409	12.0	11.73	6.72	461.7	14.8	0.05	-74.2	1.86	" "
9	B	1413	13.5	11.73	6.73	462.2	14.7	0.06	-80.7	2.25	" "
10	B	1417	15.0	11.73	6.72	463.2	14.8	0.06	-85.9	2.26	" "
11											
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** (Ebb (going out)) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** MW-47F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS- 06/622-13

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	67 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
6/16/2022	14:34	13.52	—	36.2	—	22.66	X 1	3.69
/	:	—	—	—	—	—	X 3	11.07

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	6/16/22	15:30	B	6	40 ml	HCl	YES	NO	---	√
Amber Glass	/ /			2	125ml	None	YES	NO	---	√
Green Poly	/ /			1	125ml	NaOH	YES	NO	---	√
Red Poly-total	/ /			1	250ml	HNO_3	YES	NO	---	√
Red Poly-diss**	/ /		—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/ /		—	—	500ml	None	YES	NO	---	
VOA Glass*	/ /		—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/ /		—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1436 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1440	1.3	13.62	6.47	614.3	15.2	0.08	69.6	7.92	Clear, colorless
2	B	1444	2.6	13.62	6.52	596.2	15.2	0.07	48.1	9.79	" "
3	B	1448	3.9	13.62	6.59	568.3	15.1	0.06	13.7	1.52	" "
4	B	1452	5.2	13.63	6.63	563.4	15.0	0.07	-13.8	1.36	" "
5	B	1456	6.5	13.64	6.65	557.2	15.1	0.07	-32.5	1.44	" "
6	B	1500	7.8	13.64	6.65	556.5	15.1	0.06	-44.4	2.05	" "
7	B	1504	9.1	13.64	6.65	557.4	15.2	0.07	-56.2	1.53	" "
8	B	1508	10.4	13.64	6.65	557.0	15.2	0.06	-63.4	1.21	" "
9	B	1512	11.7	13.64	6.67	556.5	15.1	0.05	-69.7	1.40	" "
10	B	1516	13.0	13.64	6.68	555.9	15.1	0.06	-74.2	1.46	" "
11											
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Luffman (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** MW-51F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-062022-121

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	63 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
6/20/2022	08:53	24.06	—	29.2	—	5.14	X 1	0.84
/	/	/	/	/	/	/	X 3	2.52

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	6/20/22	09:55	B	6	40 ml	HCl	YES	NO	---	√
Amber Glass	/	/	/	2	125ml	None	YES	NO	---	√
Green Poly	/	/	/	1	125ml	NaOH	YES	NO	---	√
Red Poly-total	/	/	/	1	250ml	HNO_3	YES	NO	---	√
Red Poly-diss**	/	/	/	/	250ml	HNO_3	YES	YES	---	
White Poly**	/	/	/	/	500ml	None	YES	NO	---	
VOA Glass*	/	/	/	/	40ml	HCL	YES	NO	---	
Amber Glass*	/	/	/	/	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 0906 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	0910	1.2	24.13	6.41	470.5	14.2	0.10	83.0	16.15	Clear, colorless
2	B	0914	2.4	24.13	6.51	444.0	14.2	0.07	43.5	3.38	" "
3	B	0918	3.6	24.13	6.54	427.2	14.2	0.06	14.1	3.60	" "
4	B	0922	4.8	24.13	6.54	423.8	14.2	0.07	-4.8	4.13	" "
5	B	0926	6.0	24.13	6.57	423.4	14.2	0.10	-23.9	3.73	" "
6	B	0930	7.2	24.13	6.57	422.2	14.2	0.21	-39.6	2.94	" "
7	B	0934	8.4	24.13	6.59	422.8	14.2	0.25	-50.7	2.40	" "
8	B	0938	9.6	24.13	6.58	422.2	14.2	0.23	-58.6	2.44	" "
9	B	0942	10.8	24.13	6.57	422.0	14.2	0.22	-64.1	2.52	" "
10	B	0946	12.0	24.13	6.57	420.8	14.2	0.23	-68.3	2.84	" "
11											
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) **Slack** Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Lofton (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** MW-49F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-062022-15

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	(NW)	(LIGHT)	(MEDIUM)	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		(CLOUDY)		RAIN		No Wind	**TEMPERATURE:**	59 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
6/20/2022	10:13	25.07	—	32.8	—	7.73	X 1	1.26
/+	:	—	—	—	—	—	X 3	3.78

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	6/20/22	11:10	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/ /	:		2	125ml	None	YES	NO	---	✓
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/ /	:		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/ +	:	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/ 1	:	—	—	500ml	None	YES	NO	---	
VOA Glass*	/ 1	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	+ /	:	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 x3 = 30 → **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1016 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	~~B 1020~~	1020	1.4	25.24	6.05	2642	14.7	0.09	135.7	27.45	Orange tint
2	B	1024	2.8	25.24	6.05	2706	14.8	0.22	126.9	18.00	Clear, colorless
3	B	1028	4.2	25.19	6.07	2681	14.7	0.24	119.1	10.57	" "
4	B	1032	5.6	25.17	6.13	2632	14.8	0.23	109.7	6.23	" "
5	B	1036	7.0	25.18	6.21	2623	14.7	0.21	96.3	5.24	" "
6	B	1040	8.4	25.18	6.21	2619	14.8	0.21	90.0	3.88	" "
7	B	1044	9.8	25.18	6.20	2626	14.9	0.20	77.4	3.59	" "
8	B	1048	11.2	25.18	6.29	2637	15.1	0.20	64.7	2.65	" "
9	B	1052	12.6	25.18	6.30	2643	14.9	0.20	53.0	2.95	" "
10	B	1056	14.0	25.18	6.31	2646	14.8	0.20	45.3	4.50	" "
11	B	1100	15.4	25.18	6.31	2648	14.9	0.20	37.6	3.35	" "
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) (Slack) Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** MW-53F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-062022-16

DUP ID: — Time: —

WIND FROM: N | NE | E | SE | S | SW | W | NW (NW) — LIGHT (LIGHT) | MEDIUM | HEAVY

WEATHER: SUNNY | PRTLY CLDY (PRTLY CLDY) | CLOUDY | RAIN | No Wind (No Wind) **TEMPERATURE:** 61 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product [Product Thickness]	DT-Bottom	DTB-DTP [Water Column]	DTB-DTW [Water Column]		Volume (gal) [Water Column x Gal/ft]
6/20/22	10:39	9.18	—	12.8	—	3.62	X 1	0.59
/	/	—	—	—	—	—	X 3	1.77

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	6/20/22	11:30	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/	:		2	125ml	None	YES	NO	---	✓
Green Poly	/	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/	:		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/	:	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/	:	—	—	500ml	None	YES	NO	---	
VOA Glass*	/	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/	:	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 16 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)			
VOA vial - Glass	VOCs (3 VOAs)	VOCs SIM (3 VOAs)	*NWTPH-Gx (same as VOCs)	*VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (2x1L)	*EPH (2x1L)	
GREEN - Poly	Total Cyanide	Free Cyanide	Available Cyanide	
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn)		**Additional Total Metals: (Ca, K, Na, Mg)	
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)			
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)			

WATER QUALITY DATA Purge Start Time: 1056 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) (L) [Cumulative Totals]	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality [Clarity, Color]
1	B	1100	1.2	9.72	6.80	773	15.1	0.32	-118.5	11.19	Clear, color-less
2	B	1104	2.4	9.77	6.84	777	15.0	0.29	-125.0	6.38	" "
3	B	1108	3.6	9.77	6.82	776	15.0	0.25	-128.1	4.40	" "
4	B	1112	4.8	9.77	6.82	775	15.0	0.26	-128.7	4.10	" "
5	B	1116	6.0	9.77	6.81	775	15.1	0.26	-128.2	3.11	" "
6	B	1120	7.2	9.77	6.83	775	15.1	0.23	-131.1	4.57	" "
7											
8											
9											
10											
11											
12											
13											
14											
15											

[Select A-G]

Comments: Tides during purging (circle one): Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Casey Montgomery (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** MW-52F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-062022-17

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	TEMPERATURE:	61 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
6/20/22	12:02	8.75	—	14.2	—	5.45	X 1	0.89
/	:	—	—	—	—	—	X 3	2.67

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	6/20/22	12:35	D	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/	:		2	125ml	None	YES	NO	---	✓
Green Poly	/	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/	:		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/	:	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/	:	—	—	500ml	None	YES	NO	---	
VOA Glass*	/	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/	:	—	—	1L	HCl	YES	NO	---	
Total Bottles (include duplicate count):				16		MS & MSD (circle if collected)				

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1204 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) [Cumulative Totals]	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality [Clarity, Color]
1	B	1208	1.2	9.36	6.80	492.0	15.0	0.18	-133.7	10.85	clear, colorless, Trace S.S.
2	B	1212	2.4	9.40	6.80	477.1	15.0	0.15	-136.2	7.98	" "
3	B	1216	3.6	9.40	6.80	458.1	15.0	0.15	-138.1	3.92	" "
4	B	1220	4.8	9.40	6.81	440.4	15.0	0.15	-137.0	4.26	" "
5	B	1324	6.0	9.40	6.84	434.5	15.0	0.18	-137.3	3.08	" "
6	B	1328	7.2	9.40	6.82	432.0	15.0	0.19	-133.8	1.98	" "
7											
8											
9											
10											
11											
12											
13											
14											
15											

[Select A-G]

Comments: Tides during purging (circle one): Ebb (going out) Slack Flood (coming in) SS.: Suspended Solids.

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Casey Montgomery (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** MW-46F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-062022-18

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	(NW)	(LIGHT)	(MEDIUM)	HEAVY
WEATHER:	(SUNNY)		(PRTLY CLDY)		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	66 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
6/20/2022	13:24	6.51	—	19.6	—	13.09	X 1	2.13
1-4	:	—	—	—	—	—	X 3	6.39

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	6/20/22	14:26	B	6	40 ml	HCl	YES	NO	---	
Amber Glass	/ /	:		2	125ml	None	YES	NO	---	✓
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/ /	:		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/ /	:	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/ /	:	—	—	500ml	None	YES	NO	---	
VOA Glass*	/ /	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) (VOCs SIM (3 VOAs)) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide (Available Cyanide)
RED TOTAL - Poly	(Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn)) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1329 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1333	1.6	6.55	6.08	156.7	14.7	0.08	44.8	28.51	Orange tint w/S.S.
2	B	1337	3.2	6.55	6.16	132.9	14.6	0.07	33.4	8.64	Colorless w/some S.S.
3	B	1341	4.8	6.55	6.17	121.7	14.6	0.08	32.0	8.15	Colorless w/little S.S.
4	B	1345	6.4	6.55	6.14	118.1	14.6	0.18	33.4	9.36	Clear, colorless
5	B	1349	8.0	6.55	6.13	117.0	14.7	0.36	37.4	3.66	" "
6	B	1353	9.6	6.55	6.13	117.6	14.6	0.55	42.6	2.91	" "
7	B	1357	11.2	6.55	6.11	117.2	14.7	0.65	47.4	3.25	" "
8	B	1401	12.8	6.55	6.12	118.5	14.7	0.77	52.3	2.73	" " w/S.S.
9	B	1405	14.4	6.55	6.12	118.5	14.7	0.78	55.4	2.79	" "
10	B	1409	16.0	6.55	6.13	118.3	14.6	0.81	57.6	2.92	" "
11	B	1413	17.6	6.55	6.14	119.6	14.7	0.80	58.5	2.86	" "
12											
13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: **Tides during purging (circle one):** (Ebb (going out)) **Slack** **Flood (coming in)** S.S. = Suspended solids

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 A/B **WELL ID:** MW-50F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS- NO SAMPLE

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	(W)	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		(CLOUDY)		RAIN		No Wind	**TEMPERATURE:**	61 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
6/20/2024	08:14	20.12	22.97	27.80	4.53	NA	X 1	NA
/ /	:	—	—		—	—	X 3	NA

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other (NA)

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	/ /	:			40 ml	HCl	YES	NO	---	
Amber Glass	/ /	:			125ml	None	YES	NO	---	
Green Poly	/ /	:			125ml	NaOH	YES	NO	---	
Red Poly-total	/ /	:			250ml	A HNO_3	YES	NO	---	
Red Poly-diss**	/ /	:			250ml	N HNO_3	YES	YES	---	
White Poly**	/ /	:			500ml	None	YES	NO	---	
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:			1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 0 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide (N)
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg) (N)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: NA **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality (E OTHER)
1	E	0814									
2				Note- no sample taken, depth to							
3											
4				DNAPL 22.97' → 4.53' DNAPL thickness.							
5											
6											
7											
8											
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14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** **Ebb (going out)** **Slack** **Flood (coming in)**

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Lefforn (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-51F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-090722-01

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind		

TEMPERATURE: 70 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
9/7/2022	09:32	24.98	—	29.2	—	4.22	X 1	0.69
/	—	—	—	—	—	—	X 3	2.08

Gal/ft = (dia./2)² x 0.163	1" = 0.041	2" = 0.163	6" = 1.469	8" = 2.611	NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	9/7/22	10:20	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/ /	:		2	125ml	None	YES	NO	---	✓
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/	:	✓	1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/ —	—	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/ —	—	—	—	500ml	None	YES	NO	---	
VOA Glass*	/ —	—	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/ —	—	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 0936 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) (L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	0940	1.2	25.04	6.93	414.2	15.2	0.62	-139.6	43.17	Orange tint
2	B	0944	2.4	25.04	6.88	402.3	15.1	0.56	-152.4	15.03	Clear, colorless
3	B	0948	3.6	25.05	6.93	398.4	15.1	0.54	-158.0	12.57	" "
4	B	0952	4.8	25.05	6.97	399.6	15.1	0.52	-161.1	11.01	" "
5	B	0956	6.0	25.05	7.07	397.7	15.2	0.50	-164.0	5.19	" "
6	B	1000	7.2	25.05	7.17	398.6	15.1	0.49	-164.4	4.14	" "
7	B	1004	8.4	25.05	7.24	398.1	15.1	0.47	-167.5	3.93	" "
8	B	1008	9.6	25.05	7.26	397.7	15.2	0.46	-169.6	3.72	" "
9	B	1012	10.8	25.05	7.22	397.8	15.2	0.46	-170.6	3.19	" "
10											
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15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: Tides during purging (circle one): Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-46F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-090722-02

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	70 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
9/7/22	09:51	9.65	—	19.6	—	9.95	X 1	1.62
/	—	—	—	—	—	—	X 3	4.87

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	9/7/22	10:40	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/ /	:	↓	2	125ml	None	YES	NO	---	✓
Green Poly	/ /	:	↓	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	↓	↓	↓	1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/ —	: —	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/ —	: —	—	—	500ml	None	YES	NO	---	
VOA Glass*	/ —	: —	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/ —	: —	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 16 MS & MSD (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA

Purge Start Time: 1003 Sampling Method: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1007	1.8	9.69	6.00	135.0	16.8	0.05	17.2	8.11	Clear, colorless, Trace S.S.
2	B	1011	3.6	9.71	6.08	112.7	17.4	0.04	13.2	10.47	" "
3	B	1015	5.4	9.71	5.98	113.7	17.7	0.08	10.0	10.76	" "
4	B	1019	7.2	9.69	6.10	115.6	17.9	0.18	10.8	7.86	" "
5	B	1023	9.0	9.69	6.01	116.9	18.1	0.31	13.9	7.88	" "
6	B	1027	10.8	9.69	6.07	119.0	18.2	0.41	20.0	9.10	" "
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13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: Tides during purging (circle one): Ebb going out Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

SS= Suspended Solids

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Casey Montgomery (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-49F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-090722-03

DUP ID: GS-090722-04 Time: 1125

WIND FROM: N | NE | E | SE | S | SW | W | (NW) | (LIGHT) | (MEDIUM) | HEAVY

WEATHER: (SUNNY) | (PRTLY CLDY) | CLOUDY | RAIN | No Wind **TEMPERATURE:** 76 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
9/7/2022	10:41	26.06	—	32.8	—	6.74	X 1	1.10
/	:	—	—	—	—	—	X 3	3.30

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	9/7/22	11:20	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/ /	:		2	125ml	None	YES	NO	---	✓
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/ /	:		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/ /	:		—	250ml	HNO_3	YES	YES	---	
White Poly**	/ /	:		—	500ml	None	YES	NO	---	
VOA Glass*	/ /	:		—	40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:		—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 x 2 = 20 (DUP) **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1044 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) (L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1048	1.2	22.21	7.41	994	16.7	0.51	-160.3	10.59	Clear, colorless
2	B	1052	2.4	26.21	7.41	953	16.6	0.44	-164.1	11.34	" "
3	B	1056	3.6	26.21	7.37	971	16.6	0.43	-169.2	6.70	" "
4	B	1100	4.8	26.22	7.28	960	16.6	0.40	-173.4	4.52	" "
5	B	1104	6.0	26.22	7.31	931	16.6	0.39	-176.3	2.66	" "
6	B	1108	7.2	26.22	7.31	912	16.6	0.38	-178.4	2.40	" "
7	B	1112	8.4	26.22	7.31	898	16.6	0.37	-178.9	2.32	" "
8											
9											
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13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** (Ebb (going out)) **Slack** **Flood (coming in)**

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA
6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-42F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-090722-05

DUP ID: — Time: —

WIND FROM:	N	(NE)	E	SE	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	(SUNNY)		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	73 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
9/07/22	11:11 am	15.86	—	29.7	—	13.84	X 1	2.33
—	—	—	—	—	—	—	X 3	6.98

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	9/7/22	12:05	B	6	40 ml	HCl	YES	NO	---	√
Amber Glass	9/7/22	↓	B	2	125ml	None	YES	NO	---	√
Green Poly	9/7/22		B	1	125ml	NaOH	YES	NO	---	√
Red Poly-total	9/7/22		B	1	250ml	HNO_3	YES	NO	---	√
Red Poly-diss**	—	—	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	—	—	—	—	500ml	None	YES	NO	---	
VOA Glass*	—	—	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	—	—	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	*PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 11:20 am **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) (L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	11:24	1.6	15.89	6.46	743	15.5	0.10	61.2	5.27	clear; colorless
2	B	11:28	3.2	15.89	6.73	749	15.4	0.06	23.9	4.26	clear, colorless
3	B	11:32	4.8	15.89	6.78	750	15.3	0.07	-0.5	4.05	clear; colorless
4	B	11:36	6.4	15.89	6.79	752	15.3	0.17	-24.1	5.25	" "
5	B	11:40	8.00	15.89	6.82	752	15.4	0.22	-46.1	6.67	" "
6	B	11:44	9.6	15.89	6.84	753	15.5	0.21	-60.7	4.81	" "
7	B	11:48	11.2	15.89	6.86	753	15.5	0.20	-79.7	7.01	" "
8	B	11:52	12.8	15.89	6.88	754	15.5	0.23	-85.2	4.62	" "
9	B	11:56	14.4	15.89	6.88	755	15.5	0.24	-89.5	6.71	
10											
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12											
13											
14											
15											

[Select A-G] [Cumulative Total] [Clarity, Color]

Comments: Tides during purging (circle one): (Ebb (going out)) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Yusin Abdisamed (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA
6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-47F-

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** ~~GS-090722-07~~ GS-090722-07

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	(NW)	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(PRTLY CLDY)		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	81 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
9/7/22	13:40	17.50	—	36.2	—	18.7	X 1	3.05
/	—	—	—	—	—	—	X 3	9.14

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	9/7/22	14:30	B	6	~~40 ml~~	HCl	YES	NO	---	✓
Amber Glass	/ /	:		2	125ml	None	YES	NO	---	✓
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/			1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	—	—		—	250ml	HNO_3	YES	YES	---	
White Poly**	/	—		—	500ml	None	YES	NO	---	
VOA Glass*	/	—		—	40ml	HCL	YES	NO	---	
Amber Glass*	/	—		—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 MS & MSD (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)			
VOA vial - Glass	VOCs (3 VOAs)	~~VOCs SIM (3 VOAs)~~	*NWTPH-Gx (same as VOCs)	*VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (2x1L)	*EPH (2x1L)	
GREEN - Poly	Total Cyanide	Free Cyanide	Available Cyanide	
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn)		**Additional Total Metals: (Ca, K, Na, Mg)	
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)			
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)			

WATER QUALITY DATA Purge Start Time: 13:41 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	13:45	1.2	17.55	6.67	587.6	15.6	0.8	67.3	14.51	clear, colorless
2	B	13:49	2.4	17.55	6.81	562.9	15.6	0.8	23.9	3.85	
3	B	13:53	3.6	17.56	6.72	558.2	15.6	0.10	-20.6	11.84	
4	B	13:57	4.8	17.57	6.97	556.6	15.6	0.25	-53.4	10.91	
5	B	14:01	6.0	17.58	6.92	556.4	15.5	0.25	-73.5	3.91	
6	B	14:05	7.2	17.58	6.90	556.9	15.6	0.26	-89.6	3.43	
7	B	14:09	8.4	17.58	6.94	555.0	15.6	0.26	-101.6	2.15	
8	B	14:13	9.6	17.58	6.92	555.1	15.4	0.26	-104.2	3.06	
9	B	14:17	10.8	17.58	6.93	555.0	15.5	0.21	-113.2	5.06	
10											
11											
12											
13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: Tides during purging (circle one): Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, ~~CN~~ 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Yasin Abulsayen (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-53F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-090822-08

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY

WEATHER:	SUNNY	PRTLY CLDY	CLOUDY	RAIN	No Wind

TEMPERATURE: 59 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] 100% Recharge [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
9/8/22	9:34	10.34	—	12.8	—	12.46	X 1	0.40
9/8/22	11:00	10.34	—	—	—	—	X 3	1.20

Gal/ft = (dia./2)² x 0.163	1" = 0.041	2" = 0.163	6" = 1.469	8" = 2.611	NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	9/8/22	11:10	D		40 ml	HCl	YES	NO	---	√
Amber Glass	/	:			125ml	None	YES	NO	---	√
Green Poly	/	:			125ml	NaOH	YES	NO	---	√
Red Poly-total	/	:			250ml	HNO_3	YES	NO	---	√
Red Poly-diss**	/	:	—		250ml	HNO_3	YES	YES	---	
White Poly**	/	:	—		500ml	None	YES	NO	---	
VOA Glass*	/	:	—		40ml	HCL	YES	NO	---	
Amber Glass*	/	:	—		1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 0939 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	0943	0.8	11.28	6.52	744	18.5	0.06	94.1	116.4	Clear, colorless
2	B	0947	1.3	11.90	6.58	740	18.7	0.27	78.2	35.35	↓
3	B	0950	Lt	Well Went Dry, Allow to Recharge							
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) **Slack** **Flood (coming in)**

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: [illegible] (PRINTED NAME) Casey Montgomery (SIGNATURE)

↓ = lowered flow Rate

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-52F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS- 090822-10

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	57 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

99% recharged

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
9/8/22	09:59	10.14	—	14.2	—	4.06	X 1	0.666
9/8/22	13:19	10.16	—	14.2	—	4.04	X 3	1.98

Gal/ft = (dia./2)^2 x 0.163	1" = 0.041	2" = 0.163	6" = 1.469	8" = 2.611	NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative (circle)	Ice	Filter	pH	[√ if used] √
VOA Glass	9/8/22	13:30	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/ /	:		2	125ml	None	YES	NO	---	✓
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/ /	:		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/ /	:		—	250ml	HNO_3	YES	YES	---	
White Poly**	/ /	:		—	500ml	None	YES	NO	---	
VOA Glass*	/ /	:		—	40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:		—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1004 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1008	0.5	10.59	6.55	557.3	17.6	0.29	92.9	43.98	slightly cloudy, colorless
2	B	1012	1.00	10.77	6.45	540.5	18.0	0.30	73.2	63.37	" " "
3	B	1016	1.5	10.91	7.4	533.9	17.6	0.39	66.3	33.87	" "
4	B	1020	2.00	11.13	6.49	515.5	17.7	0.41	48.9	16.31	" "
5	B	1024	2.5	11.35	6.62	497.3	17.7	0.61	29.0	12.05	" "
6	B	1028	3.0	11.56	6.63	498.7	17.7	0.68	14.2	26.57	" "
7		—	unable to low flow, increasing rate to see if stabilized lower elevation.								
8		1036	4.0	12.24	6.64	512.6	17.5	0.37	50.2	20.63	Clear, Colorless
9	B	1040	5.0	12.62	6.62	526.5	17.9	0.42	37.7	18.39	" "
10	B	1044	6.0	13.12	6.53	537.2	17.2	0.47	24.1	23.49	" "
11	B	1048	6.5	13.74	6.60	523.9	17.8	1.37	16	57.27	
12		1049		Well Dry	Allow to recharge						
13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Casey Montgomery (PRINTED NAME) (SIGNATURE)

↑ = Increased rate ↓ = lowered rate

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-2-32

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-091922-40

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	(W)	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	(SUNNY)	PRTLY CLDY		CLOUDY	RAIN		No Wind		**TEMPERATURE:**	77	°F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
9/19/2022	12:52	26.03	—	32.1	—	6.07	X 1	0.99
"	"	"	"	"	"	"	X 3	2.97

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other _____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	9/19/22	13:45	B	6	40 ml	HCl	YES	NO	—	✓
Amber Glass	"	"	"	2	125ml	None	YES	NO	—	✓
Green Poly	"	"	"	1	125ml	NaOH	YES	NO	—	✓
Red Poly-total	"	"	"	1	250ml	HNO_3	YES	NO	—	✓
Red Poly-diss**	"	"	"	—	250ml	HNO_3	YES	YES	—	
White Poly**	"	"	"	—	500ml	None	YES	NO	—	
VOA Glass*	9/19/22	13:45	B	3	40ml	HCL	YES	NO	—	✓
Amber Glass*	"	"	"	4	1L	HCl	YES	NO	—	✓

Total Bottles (include duplicate count): 17 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: ~~1302~~ 1300 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) (L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1304	1.0	26.47	6.28	422.3	18.4	2.41	74.6	34.62	orange tint
2	B	1308	2.2	26.73	6.26	306.7	18.3	2.30	89.4	51.51	" "
3	B	1312	3.4	26.92	6.30	303.6	18.3	2.29	92.9	34.97	" "
4	B	1316	4.6	27.09	6.32	312.1	18.4	2.05	94.9	13.82	clear, colorless
5	B	1320	5.8	27.27	6.28	309.4	18.6	1.89	95.7	8.79	" "
6	B	1324	6.8	27.29	6.34	316.8	18.7	1.72	96.1	7.53	" "
7	B	1328	7.8	27.30	6.37	322.7	18.8	0.37	97.3	6.97	" "
8	B	1332	8.8	27.31	6.38	322.1	18.8	0.40	97.5	5.10	" "
9	B	1336	9.8	27.31	6.38	320.5	18.8	0.42	97.8	2.75	" "
10											
11											
12											
13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: Tides during purging (circle one): Ebb (going out) Slack (Flood (coming in))

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-4-35

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-092222-62

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	TEMPERATURE:	63 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
9/22/22	10:12	28.97	—	37.7	—	8.73	X 1	1.42
/	:	—	—	—	—	—	X 3	4.26

Gal/ft = (dia./2)² x 0.163	1" = 0.041	2" = 0.163	6" = 1.469	8" = 2.611	NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	9/22/22	11:05	D	6	40 ml	HCl	YES	NO	—	✓
Amber Glass	/ /	:		2	125ml	None	YES	NO	—	✓
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	—	✓
Red Poly-total	/ /	:	↓	1	250ml	HNO_3	YES	NO	—	✓
Red Poly-diss**	/ /	:	—	—	250ml	HNO_3	YES	YES	—	•
White Poly**	/ /	:	—	—	500ml	None	YES	NO	—	
VOA Glass*	9/22/22	11:05	D	3	40ml	HCL	YES	NO	—	✓
Amber Glass*	/ /	↓	↓	4	1L	HCl	YES	NO	—	✓

Total Bottles (include duplicate count): 17 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)			
VOA vial - Glass	VOCs (3 VOAs)	VOCs SIM (3 VOAs)	*NWTPH-Gx (same as VOCs)	*VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (2x1L)	*EPH (2x1L)	
GREEN - Poly	Total Cyanide	Free Cyanide	Available Cyanide	
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn)		**Additional Total Metals: (Ca, K, Na, Mg)	
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)			
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)			

WATER QUALITY DATA Purge Start Time: 1017 **Sampling Method** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) [Cumulative Totals]	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality [Clarity, Color]
1	B	1021	1.42	29.95	6.66	1234	14.7	1.53	129.9	7.54	clear, colorless, Trace S.S.
2	B	1025	4.0	30.35	6.64	1236	15.0	1.72	118.0	9.53	" "
3	B	1029	6.0	30.40	6.65	1233	15.2	1.65	108.7	5.27	" "
4	B	1033	8.0	30.70	6.65	1249	14.6	1.70	102.1	7.10	" "
5	A	1037	10.0	31.20	6.67	1252	14.9	1.21	96.5	4.16	" "
6	A	1041	12.0	31.40	6.67	1246	14.7	1.23	92.2	4.31	" "
7	A	1045	14.0	31.85	6.68	1242	14.8	1.22	87.6	5.00	" "
8	A	1049	16.0	31.99	6.69	1236	14.9	1.25	84.0	4.92	" "
9	A	1053	18.0	32.19	6.68	1230	14.7	1.20	83.1	4.73	" "
10											
11											
12											
13											
14											
15											

[Select A-G]

Comments: **Tides during purging (circle one):** Ebb (going out) Slack **Flood (coming in)**

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered. S.S. = Suspended Solids

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Casey Montgomery (PRINTED NAME) (SIGNATURE)

① unable to keep stable flow under 2.0L/4min. Changing to 3x volume, unable to low flow.

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-3-26

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** ~~GS-100322-112~~ LM GS-100422-113

DUP ID: Time:

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY

WEATHER:	SUNNY	PRTLY CLDY	CLOUDY	RAIN	No Wind	TEMPERATURE: 71 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product [Product Thickness]	DT-Bottom	DTB-DTP	DTB-DTW [Water Column]	100%	Volume (gal) [Water Column x Gal/ft]
10/3/22	12:45	25.54	—	28.8	—	2.26	X 1	0.368
10/4/22	09:19	25.53	—	28.8	—	2.27	X 3	1.105

Gal/ft = (dia./2)² x 0.163	1" = 0.041	2" = 0.163	6" = 1.469	8" = 2.611	NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	10/4/22	09:30	B	6	40 ml	HCl	YES	NO	---	√
Amber Glass	/ /	:		2	125ml	None	YES	NO	---	√
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	---	√
Red Poly-total	/ /	:		1	250ml	HNO_3	YES	NO	---	√
Red Poly-diss**	/ /	:			250ml	HNO_3	YES	YES	---	—
White Poly**	/ /	:			500ml	None	YES	NO	---	—
VOA Glass*	10/4/22	09:30	B	3	40ml	HCL	YES	NO	---	√
Amber Glass*	/ /	:		4	1L	HCl	YES	NO	---	√

Total Bottles (include duplicate count): 17 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 12:50 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) (L) [Cumulative Totals]	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality [Clarity, Color]
1	B	4	0.4 LM	25.74	6.65	527.7	17.0	0.20	77.4	22.98	Clear colorless to trace
2		8	1 LM	25.90	6.75	519.0	17.0	0.17	55.8	13.97	
3		12	2.8 LM	25.97	6.89	509.4	16.8	0.19	32.0	12.58	
4		16	3.5 LM	26.04	7.01	509.5	17.5	0.23	15.1	7.66	
5		20	2.1	26.15	7.92	523.0	17.5	0.22	-1.0	8.02	
6		24	2.5	26.24	7.86	529.4	17.4	0.21	-13.4	8.90	
7		28	2.9	26.29	7.75	533.9	17.6	0.22	-17.3	6.51	
8		32	3.3	26.38	7.74	544.0	17.6	0.20	-21.7	5.58	
9		36	3.7	26.50	7.81	551.5	17.4	0.22	-30.6	5.11	
10		40	4.3	26.60	7.73	560.0	17.0	0.20	-35.3	5.41	
11		44	4.7	26.66	7.71	569.3	17.4	0.21	-42.8	8.18	
12		Unable to low-flow - increase pumps speed									
13				(D) Went Dry							
14											
15											

Increase flow / decrease flow

[Select A-G]

Comments: **Tides during purging (circle one):** Ebb (going out) Slack Flood (coming in) 1) 1.05 2) 1 3) 1.4 4) 1.75

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**=River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Logan Morrison / DLA (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 WELL ID: MW-23-27

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR BLIND ID: GS-101022-119

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind		

TEMPERATURE: 62 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] (99% Recovery) [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
10/10/22	10:10	27.41	—	30.3	—	2.89	X 1	0.47
10/10/22	13:15	27.48	—	—	—	—	X 3	1.41

Gal/ft = (dia./2)² x 0.163 1" = 0.041 2" = 0.163 6" = 1.469 8" = 2.611 NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA [√ if used]

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	10/10/22	13:25	B	6	40 ml	HCl	YES	NO	---	√
Amber Glass	/ /	↓	↓	2	125ml	None	YES	NO	---	√
Green Poly	/			1	125ml	NaOH	YES	NO	---	√
Red Poly-total	/ /			1	250ml	~~HNO3~~	YES	NO	---	√
Red Poly-diss**	—	—	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/ —	—	—	—	500ml	~~None~~	YES	NO	---	
VOA Glass*	10/10/22	13:25	B	3	40ml	HCL	YES	NO	---	√
Amber Glass*	/ ↓	↓	↓	4	1L	~~HCl~~	YES	NO	---	√

Total Bottles (include duplicate count): 17 MS & MSD (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)			
VOA vial - Glass	VOCs (3 VOAs)	VOCs SIM (3 VOAs)	*NWTPH-Gx (same as VOCs)	*VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (2x1L)	*EPH (2x1L)	
GREEN - Poly	Total Cyanide	Free Cyanide	Available Cyanide	
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn)		**Additional Total Metals: (Ca, K, Na, Mg)	
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)			
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)			

WATER QUALITY DATA Purge Start Time: 1016 Sampling Method: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1020	1.0	28.10	6.62	383.1	15.4	0.19	100.7	6.76	Clear, colorless
2	B	1024	2.0	28.39	6.69	377.2	15.5	0.18	84.8	6.07	" "
3	B	1028	2.8	28.70	6.73	375.9	15.6	0.19	73.1	3.35	" "
4	B	1032	3.4	28.92	6.73	387.5	15.8	0.20	62.9	1.74	" "
5	B	1036	4.0	29.18	6.72	388.8	15.8	0.22	55.4	2.03	" "
6	B	1040	4.6	29.39	6.69	389.2	15.8	0.19	51.5	1.19	" "
7	B	1044	5.2	29.61	6.69	390.9	15.8	0.19	46.5	1.05	" "
8		Unable to low Flow, purging well Dry									
9	B	1048	5.8	29.90	6.73	398.1	15.7	0.19	40.6	3.81	" "
10											
11											
12											
13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: Tides during purging (circle one): Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered. ↓ = Decreased flow rate.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Casey Montgomery (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA
6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** ~~*OW5-F~~ OW-5F
SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS- 101022 120
DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	TEMPERATURE:	75 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
10/10/2022	13:09	29.18	—	36.2	—	7.02	X 1	1.14
/	—	—	—	—	—	—	X 3	3.42

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other

GROUNDWATER SAMPLING DATA [√ if used]

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	10/10/22	13:50	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/ /	↓	↓	2	125ml	None	YES	NO	---	✓
Green Poly	/ /	↓	↓	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/ /	↓	↓	1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	—	—	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/ —	—	—	—	500ml	None	YES	NO	---	
VOA Glass*	—	—	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	—	—	—	—	1L	HCl	YES	NO	---	
Total Bottles (include duplicate count):				10	x 3 = 30		MS & MSD (circle if collected)			

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1320 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal/L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1324	0.8	29.34	6.94	986	15.3	0.16	230.2	7.61	Clear, color less
2	B	1328	1.6	29.34	6.97	989	15.3	0.16	228.9	7.23	" "
3	B	1332	2.4	29.34	7.06	990	15.2	0.19	214.3	6.54	" "
4	B	1336	3.2	29.34	7.09	992	15.2	0.20	207.9	5.36	" "
5	B	1340	4.0	29.34	7.10	992	15.2	0.21	202.1	3.68	" "
6	B	1344	4.8	29.34	7.10	993	15.2	0.19	196.4	3.21	" "
7											
8											
9											
10											
11											
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: Tides during purging (circle one): Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Davey Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME:	Integrated Monitoring 000029-02.78	**WELL ID:**	OW-7-17
SITE ADDRESS:	7900 NW St Helens Rd, Portland OR	**BLIND ID:**	GS- 101122 – 122
		DUP ID:	— Time: —

WIND FROM: N | NE | E | SE | S | SW | W | NW | LIGHT | MEDIUM | HEAVY

WEATHER: SUNNY | PRTLY CLDY | CLOUDY | RAIN | No Wind | **TEMPERATURE:** 66 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] 101% [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
10/10/2022	11:17	18.35	—	19.97	—	1.62	X 1	0.26
10/11/2022	09:38	18.33	—	19.97	—	1.64	X 3	0.78

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	10/11/22	09:50	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/ /	:		2	125ml	None	YES	NO	---	✓
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/ /	✓		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/ /	—	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/ /	—	—	—	500ml	None	YES	NO	---	
VOA Glass*	/ /	—	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/ /	—		—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1125 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)/(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1129	0.7	19.12	6.58	712	18.2	0.17	166.4	65.19	Orange tint
2	B	1133	1.3	19.51	6.62	716	18.4	0.17	163.2	29.25	very light orange tint
3	B	1137	1.7	19.91	6.65	752	18.2	0.17	160.6	19.43	Clear, colorless
4	D		Well dry – allow to recharge								
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

0.6 ↓ 0.4 ↓

Comments: **Tides during purging (circle one):** **Ebb (going out)** **Slack** **Flood (coming in)**

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Dory Laffoon (PRINTED NAME) _____ (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME:	Integrated Monitoring 000029-02.78	**WELL ID:**	MW-21-12
SITE ADDRESS:	7900 NW St Helens Rd, Portland OR	**BLIND ID:**	GS- No Sample
		DUP ID:	— Time: —

WIND FROM: N | NE | E | SE | S | (SW) | W | NW — (LIGHT) | MEDIUM | HEAVY

WEATHER: SUNNY | (PRTLY CLDY) | CLOUDY | RAIN | No Wind — **TEMPERATURE:** 64 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

0%

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
10/10/2022	10:51	14.61	—	15.42	—	0.81	X 1	0.13
10/11/2022	09:07	15.42	—	15.42	—	0.00	X 3	0.34

Gal/ft = (dia./2)^2 x 0.163 — 1" = 0.041 — (2" = 0.163) — 6" = 1.469 — 8" = 2.611 — NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other _____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	/ /	:			40 ml	HCl	YES	NO	---	
Amber Glass	/ /	:			125ml	None	YES	NO	---	
Green Poly	/ /	:			125ml	A NaOH	YES	NO	---	
Red Poly-total	/ /	:			250ml	N HNO_3	YES	NO	---	
Red Poly-diss**	/ /	:			250ml	HNO_3	YES	YES	---	
White Poly**	/ /	:			500ml	None	YES	NO	---	
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:			1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): Ø — **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) — VOCs SIM (3 VOAs) — *NWTPH-Gx (same as VOCs) — *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) — *NWTPH-Dx (2x1L) — *EPH (2x1L)
GREEN - Poly	Total Cyanide — Free Cyanide — Available Cyanide A
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) N — **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA

Purge Start Time: 1103 — **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) (L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1107	0.8	15.43	6.62	732	18.7	0.17	164.3	8.80	Clear, colorless
2	D	- well dry, < 0.5 L collected, allow to recharge									
3											
4			No recharge — No sample — 10/11/22 @ 0910								
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: **Tides during purging (circle one):** (Ebb (going out)) **Slack** **Flood (coming in)** (NA)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft — 1 liter = 0.264 gal

SAMPLER: Dory Lawson (PRINTED NAME) — (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME:	Integrated Monitoring 000029-02.78	**WELL ID:**	OW-9-25
SITE ADDRESS:	7900 NW St Helens Rd, Portland OR	**BLIND ID:**	~~68~~ No Sample
		DUP ID:	— Time: —

WIND FROM: N | NE | E | SE | S | SW | (W) | NW — (LIGHT) | MEDIUM | HEAVY

WEATHER: (SUNNY) | PRTLY CLDY | CLOUDY | RAIN | No Wind — **TEMPERATURE:** 68 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
9/23/2022	13:26	27.14	—	27.6	—	0.46 *	X 1	0.07 *
/ +	: +	—	—	—	—	—	X 3	0.21

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other NA

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	/ /	:			40 ml	HCl	YES	NO	---	
Amber Glass	/ /	:			125ml	None	YES	NO	---	
Green Poly	/ /	:			125ml	NaOH	YES	NO	---	
Red Poly-total	/ /	:			250ml	HNO_3	YES	NO	---	
Red Poly-diss**	/ /	:			250ml	HNO_3	YES	YES	---	
White Poly**	/ /	:			500ml	None	YES	NO	---	
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:			1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): Ø — **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	~~VOCs (3 VOAs)~~ VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) ~~*NWTPH-Dx (2x1L)~~ *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA — Purge Start Time: NA — **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	D	—	—	—	—	—	—	—	—	—	well effectively dry
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

water quality before going dry — No sample — No enough water to get — effectively dry well

Comments: Tides during purging (circle one): Ebb (going out) (Slack) Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Davy Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-50F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** ~~GS~~ No Sample

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	(NW)	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		(CLOUDY)		RAIN		No Wind	**TEMPERATURE:**	57 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
10/5/2022	09:56	22.22	24.14	27.8	3.66	5.58	X1	0.91
/	:	—	—	—	—	—	X3	2.73

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.16) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other NA

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	/	:			40 ml	HCl	YES	NO	---	
Amber Glass	/ /	:			125ml	None	YES	NO	---	
Green Poly	/ /	:			125ml	NaOH	YES	NO	---	
Red Poly-total	/ /	:			250ml	HNO_3	YES	NO	---	
Red Poly-diss**	/ /	:			250ml	HNO_3	YES	YES	---	
White Poly**	/ /	:			500ml	None	YES	NO	---	
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:			1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): Ø **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	~~VOCs (3 VOAs)~~ VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	~~PAHs (2x125ml amber)~~ ~~*NWTPH-Dx (2x1L)~~ *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: NA **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) ~~Went dry~~ NOTE

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	Note										
2		Insufficient conditions for groundwater sampling									
3											
4			Water thickness =				1.92				
5			DNAPL thickness =				3.66				
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: **Tides during purging (circle one):** (Ebb (going out)) **Slack** **Flood (coming in)** NA

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Dory Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA
6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-49F
SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-121422-01
DUP ID: — Time: —

WIND FROM: N | NE | E | SE | S | SW | W | NW | LIGHT | MEDIUM | HEAVY
WEATHER: SUNNY | PRTLY CLDY | CLOUDY | RAIN | No Wind **TEMPERATURE:** 37 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
12/14/2022	09:21	26.08	—	32.8	—	6.72	X 1	1.10
/	"	"	"	"	"	"	X 3	3.30

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	12/14/22	10:20	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/	:		2	125ml	None	YES	NO	---	✓
Green Poly	/	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/	:		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/	:	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/	:	—	—	500ml	None	YES	NO	---	
VOA Glass*	/	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/	:	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA

Purge Start Time: 0928 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	0932	1.0	26.19	6.54	1284	14.6	0.05	170.0	7.00	Clear, color less
2	B	0936	2.0	26.19	6.54	1320	14.6	0.05	161.8	5.23	" "
3	B	0940	3.0	26.19	6.58	1356	14.5	0.04	148.3	3.69	" "
4	B	0944	4.0	26.19	6.61	1363	14.5	0.16	136.9	3.62	" "
5	B	0948	5.0	26.19	6.64	1388	14.6	0.22	128.4	3.40	" "
6	B	0952	6.0	26.19	6.67	1414	14.5	0.26	121.2	2.51	" "
7	B	0956	7.0	26.19	6.68	1434	14.5	0.31	113.3	3.35	" "
8	B	1000	8.0	26.19	6.70	1432	14.6	0.35	108.0	2.68	" "
9	B	1004	9.0	26.19	6.72	1443	14.5	0.40	102.3	2.53	" "
10	B	1008	10.0	26.19	6.71	1446	14.6	0.43	99.1	2.40	" "
11	B	1012	11.0	26.19	6.71	1446	14.6	0.45	96.3	2.21	
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3
*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.
**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-46F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS- 121422-02

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	38 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
12/14/22	09:30	8.83	—	19.6	—	10.77	X 1	1.76
/—/	—	—	—	—	—	—	X 3	5.28

Gal/ft = (dia./2)^2 x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	12/14/22	10:40	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/ /	"	"	2	125ml	None	YES	NO	---	✓
Green Poly	/ /	"	"	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/ /	"	"	1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/—/	"	—	-	250ml	HNO_3	YES	YES	---	
White Poly**	/—/	"	—	-	500ml	None	YES	NO	---	
VOA Glass*	/—/	"	—	-	40ml	HCL	YES	NO	---	
Amber Glass*	/—/	"	—	-	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 x3 = 30 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 0947 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(C)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	0951	1.2	8.88	5.45	174.8	15.0	0.57	118.1	10.31	clear, colorless, Trace S.S.
2	B	0955	2.4	8.89	5.41	149.1	15.0	0.33	114.3	8.22	" "
3	B	0959	3.6	8.89	5.39	146.7	15.0	0.44	115.7	6.43	" "
4	B	1003	4.8	8.89	5.39	139.3	15.0	0.65	138.7	4.20	" "
5	B	1007	6.0	8.89	5.37	138.3	15.0	0.83	127.0	4.39	" "
6	B	1011	7.2	8.89	5.37	134.5	15.0	1.05	133.4	3.22	" "
7	B	1015	8.4	8.89	5.36	133.7	15.0	1.26	138.2	3.66	" "
8	B	1019	9.6	8.89	5.35	133.2	14.9	1.38	140.9	3.41	" "
9	B	1023	10.8	8.89	5.34	132.0	14.9	1.41	142.1	3.67	" "
10	B	1027	12.0	8.89	5.34	131.2	15.0	1.46	143.4	3.87	" "
11											
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** **Ebb (going out)** **Slack** **Flood (coming in)**

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered. S.S. = Suspended Solids

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Casey Montgomery (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-51F
SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS- 121422-03
DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	(NW)	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		(CLOUDY)		RAIN		No Wind	**TEMPERATURE:**	37 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
12/14/2022	10:32	24.98	—	29.2	—	4.22	X 1	0.69
/ /	:	—	—	—	—	—	X 3	2.08

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	12/14/22	11:25	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/ /	:		2	125ml	None	YES	NO	---	✓
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/ /	:		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/ /	:		—	250ml	HNO_3	YES	YES	---	
White Poly**	/ /	:		—	500ml	None	YES	NO	---	
VOA Glass*	/ /	:		—	40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:		—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1037 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1041	~~25.23~~ 1.9	25.03	6.70	437.7	13.7	0.12	103.0	52.93	Brown, gray tint
2	B	1045	2.8	25.03	6.64	428.3	13.8	0.21	101.1	10.05	Clear, colorless
3	B	1049	4.2	25.03	6.62	424.6	13.8	0.24	99.4	5.29	" "
4	B	1053	5.6	25.04	6.61	424.1	13.9	0.32	97.4	3.74	" "
5	B	1057	7.0	25.04	6.61	424.2	13.8	0.38	96.2	3.36	" "
6	B	1101	8.4	25.04	6.60	423.6	13.9	0.45	94.6	3.41	" "
7	B	1105	9.8	25.05	6.60	421.8	13.9	0.51	92.6	3.35	" "
8	B	1109	11.2	25.05	6.60	421.6	13.9	0.58	91.2	2.53	" "
9	B	1113	12.6	25.05	6.61	421.9	13.9	0.63	89.4	2.38	" "
10	B	1117	14.0	25.05	6.61	421.4	13.9	0.67	88.5	2.33	" "
11											
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** (Ebb (going out)) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3
*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.
**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Leffler (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-48F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS- 121422-04

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	TEMPERATURE:	41 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
12/14/22	12:50	15.74	—	29.7	—	13.96	X 1	2.28
/ /	:	—	—	—	—	—	X 3	6.83

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	12/14/22	13:30	B	6	40 ml	HCl	YES	NO	---	√
Amber Glass	/ /	:		2	125ml	None	YES	NO	---	√
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	---	√
Red Poly-total	/ /	:		1	250ml	HNO_3	YES	NO	---	√
Red Poly-diss**	/ /	:	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/ /	:	—	—	500ml	None	YES	NO	---	
VOA Glass*	/ /	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)			
VOA vial - Glass	~~VOCs (3 VOAs)~~	~~VOCs SIM (3 VOAs)~~	*NWTPH-Gx (same as VOCs)	*VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber)	*NWTPH-Dx (2x1L)	*EPH (2x1L)	
GREEN - Poly	Total Cyanide	Free Cyanide	Available Cyanide	
RED TOTAL - Poly	~~Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn)~~		**Additional Total Metals: (Ca, K, Na, Mg)	
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)			
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)			

WATER QUALITY DATA Purge Start Time: 1251 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) (L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1255	1.4	15.77	6.31	461.2	14.3	0.12	85.3	7.56	Clear, colorless, Trace S.S.
2	B	1259	2.8	15.77	6.41	439.0	14.3	0.10	58.1	6.05	" "
3	B	1303	4.2	15.77	6.43	437.9	14.3	0.15	48.0	3.65	" "
4	B	1307	5.6	15.77	6.42	439.1	14.3	0.22	35.6	4.43	" "
5	B	1311	7.0	15.77	6.45	439.1	14.3	0.20	25.9	4.11	" "
6	B	1315	8.4	15.77	6.46	442.3	14.3	0.21	17.6	2.66	" "
7	B	1319	9.8	15.77	6.42	443.6	14.2	0.22	11.4	2.69	" "
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	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered. SS = Suspended Solids.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Casey Montgomery (PRINTED NAME) _____ (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-52F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-121422-05

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	(NW)	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(PRTLY CLDY)		CLOUDY		RAIN	No Wind		**TEMPERATURE:**	43 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
12/14/2022	12:47	9.89	—	14.2	—	4.31	X 1	0.71
/	/	—	—	—	—	—	X 3	2.10

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	12/14/22	13:40	B	6	40 ml	HCl	YES	NO	---	√
Amber Glass	/	:		2	125ml	None	YES	NO	---	√
Green Poly	/	:		1	125ml	NaOH	YES	NO	---	√
Red Poly-total	/	:	✓	1	250ml	HNO_3	YES	NO	---	√
Red Poly-diss**	/	:	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/	:	—	—	500ml	None	YES	NO	---	
VOA Glass*	/	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/	:	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) (VOCs SIM (3 VOAs)) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) (*NWTPH-Dx (2x1L)) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1252 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) (L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1256	1.2	10.89	6.45	568.7	14.3	0.06	160.3	528	clear, colorless
2	B	1300	2.4	11.46	6.48	578.6	14.4	0.12	158.2	7.03	" "
1.0 ↓ 3	B	1304	3.4	11.91	6.51	571.4	14.4	0.29	156.1	10.14	" "
0.6 ↓ 4	B	1308	4.0	12.06	6.55	568.3	14.0	0.39	153.2	20.64	very light gray tint
5	B	1312	4.6	12.18	6.56	568.2	14.3	0.46	150.6	15.48	clear, colorless
6	B	1316	5.2	12.31	6.60	554.3	14.3	0.59	147.9	11.53	" "
0.4 ↓ 7	B	1320	5.6	12.31	6.59	532.6	14.1	0.76	147.8	8.62	" "
8	B	1324	6.0	12.32	6.56	513.7	14.0	1.66	148.2	9.31	" "
9	B	1328	6.4	12.37	6.57	484.1	14.0	2.56	148.7	5.25	" "
10	A	1328	Unable to	low flow - increase		pump speed					
11	D	—	well	recharge - allow to recharge.							
12	A	1334	2.1g	13.41	6.52	523.8	14.6	1.68	149.4	11.78	clear, colorless
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: Tides during purging (circle one): (Ebb (going out)) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Luffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-53F
SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-121422-06
DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	TEMPERATURE:	43 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
12/14/2022	14:01	10.08	—	12.8	—	2.72	X 1	0.44
/	—	—	—	—	—	—	X 3	1.32

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	12/14/2022	14:50	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/ /	:		2	125ml	None	YES	NO	---	✓
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/ /	:		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/ /	:		1	250ml	HNO_3	YES	YES	---	
White Poly**	/ /	:		1	500ml	None	YES	NO	---	
VOA Glass*	/ /	:		1	40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:		1	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1406 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal) (L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1410	1.2	11.04	6.53	780	15.5	0.07	169.5	13.32	Clear, colorless
0.7 ↓ 2	B	1414	1.9	11.26	6.59	782	15.2	0.19	166.2	185.3	Gray, cloudy, tannic/inlet
3	B	1418	2.6	11.36	6.59	790	15.3	0.36	164.9	79.95	Gray tint
0.4 ↓ 4	B	1422	3.0	11.32	6.63	798	15.0	0.54	163.0	12.52	Clear, colorless
5	B	1426	3.4	11.29	6.65	800	14.8	0.65	162.1	6.32	" "
6	B	1430	3.8	11.26	6.64	799	14.8	0.76	160.8	6.15	" "
7	B	1434	4.2	11.23	6.68	800	14.8	0.83	159.7	4.17	" "
8	B	1438	4.6	11.19	6.68	798	14.8	0.86	158.8	4.00	" "
9	B	1442	5.0	11.15	6.69	798	14.8	0.90	158.0	3.42	" "
10											
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12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: Tides during purging (circle one): Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Lufkin (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-47F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-121422-07

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	45 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
12/14/22	14:08	17.16	—	36.7	—	19.04	X 1	3.10
/	—	—	—	—	—	—	X 3	9.31

Gal/ft = (dia./2)² x 0.163	1" = 0.041	2" = 0.163	6" = 1.469	8" = 2.611	NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative (circle)	Ice	Filter	pH	[√ if used]
VOA Glass	12/14/22	15:00	B	6	40 ml	HCl	YES	NO	---	√
Amber Glass	/	:		2	125ml	None	YES	NO	---	√
Green Poly	/	:		1	125ml	NaOH	YES	NO	---	√
Red Poly-total	/	:		1	250ml	HNO_3	YES	NO	---	√
Red Poly-diss**	/	:	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/	:	—	—	500ml	None	YES	NO	---	
VOA Glass*	/	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/	:	—	—	1L	HCl	YES	NO	---	
Total Bottles (include duplicate count):				10		**MS & MSD** (circle if collected)				

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1411 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1415	1.4	17.24	6.19	601.4	14.4	0.14	88.0	5.27	clear, colorless.
2	B	1419	2.8	17.24	6.19	594.9	14.3	0.20	71.5	2.64	" "
3	B	1423	4.2	17.24	6.18	589.8	14.3	0.21	48.1	1.24	" "
4	B	1427	5.6	17.24	6.15	589.5	14.3	0.22	25.5	1.05	" "
5	B	1431	7.0	17.24	6.15	589.4	14.3	0.23	5.5	1.44	" "
6	B	1435	8.4	17.24	6.14	588.6	14.3	0.24	-11.9	1.90	" "
7	B	1439	9.8	17.24	6.12	589.6	14.2	0.28	-26.5	4.41	" "
8	B	1443	11.2	17.24	6.09	589.3	14.3	0.30	-34.4	1.90	" "
9	B	1447	12.6	17.24	6.09	589.1	14.3	0.32	-42.8	2.58	" "
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	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Casey Montgomery (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA
6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-2-32
SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-12522-08
DUP ID: — Time: —

WIND FROM: N (NE) E SE S SW W NW (LIGHT) MEDIUM HEAVY
WEATHER: (SUNNY) PRTLY CLDY CLOUDY RAIN No Wind **TEMPERATURE:** 37 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
12/15/2022	10:24	29.24.15	—	32.1	—	7.15	X1	1.17
/	/	—	—	—	—	—	X3	3.51

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	12/15/2022	11:15	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/	↓	↓	2	125ml	None	YES	NO	---	✓
Green Poly	/	↓	↓	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/	↓	↓	1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss	/	—	—	—	250ml	HNO_3	YES	YES	---	
White Poly	/	—	—	—	250/500ml	None	YES	NO	---	
Yelllow Poly	/	—	—	—	250ml	H_2SO_4	YES	NO	---	
VOA Glass*	12/15/2022	11:15	B	3	40ml	HCL	YES	NO	---	✓
Amber Glass*	/	↓	↓	4	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 17 MS & MSD (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) Methane (*VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide Sulfide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly	Dissolved Metals (Fe, Mn)
YELLOW - Poly	Ammonium-N
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3) Alkalinity, Nitrate-N, Sulfate

WATER QUALITY DATA Purge Start Time: 1026 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1030	1.2	25.22	6.80	393.7	16.7	0.37	132.1	41.58	Orange, tan tint
2	B	1034	2.2	25.43	6.54	256.3	16.7	1.51	134.7	6.45	Clear, colorless
3	B	1038	3.2	25.62	6.49	247.2	16.7	1.94	133.6	7.10	" "
4	B	1042	4.0	25.81	6.43	246.7	16.8	1.94	132.4	6.64	" "
5	B	1046	4.6	25.91	6.38	253.5	16.6	1.73	131.4	15.84	" "
6	B	1050	5.2	25.95	6.34	242.2	16.5	1.94	126.4	11.43	" "
7	B	1054	5.8	25.96	6.40	241.9	16.4	1.87	129.0	11.65	" "
8	B	1058	6.4	25.97	6.41	244.3	16.5	1.82	127.2	8.83	" "
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	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

1.0 ↓
0.8 ↓

Comments: Tides during purging (circle one): (Ebb (going out)) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3
*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.
**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Dave Laffoon (PRINTED NAME) _____ (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** OW-5F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS- 121522-09

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	37 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
12/15/22	11:05	36.27.26	—	36.2	—	8.94	X 1	1.46
/	/	—	—	—	—	—	X 3	4.37

Gal/ft = (dia./2)² x 0.163	1" = 0.041	2" = 0.163	6" = 1.469	8" = 2.611	NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inortial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	12/15/22	11:50	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/ /	:		2	125ml	None	YES	NO	---	✓
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/ /	:		1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/ /	:	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/ /	:	—	—	500ml	None	YES	NO	---	
VOA Glass*	/ /	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:	—	—	1L	HCl	YES	NO	---	
Total Bottles (include duplicate count):				10	MS & MSD (circle if collected)					

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	~~VOCs (3 VOAs)~~ VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1112 **Sampling Method:** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1116	0.8	27.41	6.75	1124	13.9	0.13	140.7	6.31	clear, colorless
2	B	1120	1.6	27.43	6.76	1139	13.9	0.14	125.6	2.03	" "
3	B	1124	2.4	27.43	6.78	1140	13.9	0.21	117.4	1.95	" "
4	B	1128	3.2	27.43	6.96	1142	14.0	0.21	105.7	1.48	" "
5	B	1132	4.0	27.43	6.93	1144	13.9	0.23	99.6	1.60	" "
6	B	1136	4.8	27.43	6.95	1145	13.9	0.26	91.3	3.52	" "
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	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** **Ebb (going out)** **Slack** **Flood (coming in)**

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Casey Montgomery (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** OW-9-25
SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-121522-10
DUP ID: Time:

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	36 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] 100% [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
12/15/2022	09:48	26.30	—	27.6	—	1.30	X 1	0.21
12/15/2022	11:55	26.29	—	27.6	—	1.31	X 3	0.63

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	12/15/22	12:10	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/			2	125ml	None	YES	NO	---	✓
Green Poly	/			1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/			1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/				250ml	HNO_3	YES	YES	---	
White Poly**	/				500ml	None	YES	NO	---	
VOA Glass*	/				40ml	HCL	YES	NO	---	
Amber Glass*	/				1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 0953 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	0957	0.8	26.73	7.91	412.9	15.0	1.65	134.8	13.21	Clear, Color-less
2	B	1001	1.2	26.84	7.41	393.9	14.4	1.43	138.4	6.16	" "
3	B	1005	1.6	26.93	6.98	437.3	14.6	1.26	140.7	6.52	" "
4	A	1006	- unable to low flow - increase pump speed								
5	D	1008	- well dry - allow to recharge								
6											
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	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

0.46

Comments: Tides during purging (circle one): Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Dave Luffman (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** OW-7-17

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS- 121522-11

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	34 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] 90.7%

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		[Water Column x Gal/ft] Volume (gal)
12/15/22	09:54	16.34	—	20.0	—	3.66	X 1	0.60
12/15/2022	13:11	16.68	—	20.0	—	3.32	X 3	1.80

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	12/15/22	13:30	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	//	:		2	125ml	None	YES	NO	---	✓
Green Poly	//	:		1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	//	:		1	250ml	~~HNO_3~~	YES	NO	---	✓
Red Poly-diss**	/—	:	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/—	:	—	—	500ml	None	YES	NO	---	
VOA Glass*	/—	:	—	—	40ml	HCL	YES	NO	---	
Amber Glass*	/—	:	—	—	1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): 10 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 0957 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1001	0.6	16.97	6.32	347.6	15.1	1.66	130.0	78.54	Slightly cloudy, colorless, Trace S.S.
2	B	1005	1.2	17.33	6.23	331.7	15.1	0.25	124.7	24.98	clear, colorless, Trace S.S.
3	B	1009	1.7	17.70	6.20	329.5	14.9	0.26	122.4	15.40	" "
4	B	1013	2.2	18.09	6.11	319.2	14.9	0.38	121.3	9.31	" "
5	B	1017	2.7	18.44	6.06	335.5	14.7	0.42	121.9	9.23	" "
6	B	1021	3.2	18.78	6.08	373.6	14.9	0.42	122.7	67.34	Slightly cloudy, colorless, Trace S.S.
7	B	1025	3.7	19.07	6.11	456.7	14.8	0.42	123.3	45.23	" "
8	B	1029	4.2	19.40	6.20	511.1	14.6	0.49	120.9	11.46	clear, colorless, Trace S.S.
9	B	1033	4.7	19.71	6.29	542.0	14.4	0.51	119.2	8.89	" "
10	—	1036	well	Dry + Allow to Recharge.						—	
11											
12											
13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered. S.S. = Suspended Solids ↓ = Decreased Flow Rate.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Casey Montgomery (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-4-35

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-121522-12

DUP ID: GS-121522-13 Time: ~~1400~~ 1400

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	TEMPERATURE:	41 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
12/15/22	12:55	27.48	—	37.7	—	10.22	X 1	1.67
/	"	"	"	"	"	"	X 3	5.01

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	12/15/22	13:55	B	6	40 ml	HCl	YES	NO	---	✓
Amber Glass	/	"	"	2	125ml	None	YES	NO	---	✓
Green Poly	/	"	"	1	125ml	NaOH	YES	NO	---	✓
Red Poly-total	/	"	"	1	250ml	HNO_3	YES	NO	---	✓
Red Poly-diss**	/	"	—	—	250ml	HNO_3	YES	YES	---	
White Poly**	/	"	—	—	500ml	None	YES	NO	---	
VOA Glass*	12/15/22	13:55	B	3	40ml	HCL	YES	NO	---	✓
Amber Glass*	/	"	"	4	1L	HCl	YES	NO	---	✓

Total Bottles (include duplicate count): 17 x2 (DUP) =34 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3) ~~300~~ 308

WATER QUALITY DATA Purge Start Time: 1308 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1312	0.8	27.98	6.74	926	13.5	0.11	111.7	5.70	clear, colorless, trace S.S.
2	B	1316	1.6	28.25	6.73	891	13.7	0.24	103.7	3.14	" "
3	B	1320	2.4	28.42	6.75	893	13.6	0.22	99.2	2.89	" "
4	B	1324	3.2	28.54	6.75	899	13.6	0.24	95.5	2.37	" "
5	B	1328	4.0	28.65	6.76	907	13.6	0.27	90.4	1.07	" "
6	B	1332	4.8	28.70	6.78	915	13.7	0.31	85.5	1.16	" "
7	B	1336	5.4	28.79	6.78	920	13.7	0.36	81.6	0.95	" "
8	B	1340	6.2	28.89	6.77	923	13.6	0.42	77.1	0.86	" "
9	B	1344	7.0	28.97	6.76	929	13.4	0.47	73.4	0.92	" "
10											
11											
12											
13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered. S.S. = Suspended Solids

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Casey Montgomery (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-3-26
SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-121922-14
DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	**TEMPERATURE:**	38 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
12/19/2022	09:26	23.82	—	28.8	—	4.98	X 1	0.81
/	:	—	—	—	—	—	X 3	2.43

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	12/19/22	10:10	B	6	40 ml	HCl	YES	NO	—	√
Amber Glass	/ /	:		2	125ml	None	YES	NO	—	√
Green Poly	/ /	:		1	125ml	NaOH	YES	NO	—	√
Red Poly-total	/ /	:		1	250ml	HNO_3	YES	NO	—	√
Red Poly-diss**	/ /	:		—	250ml	HNO_3	YES	YES	—	
White Poly**	/ /	:		—	500ml	None	YES	NO	—	
VOA Glass*	12/19/22	10:10	B	3	40ml	HCL	YES	NO	—	√
Amber Glass*	/ /	:		4	1L	HCl	YES	NO	—	√

Total Bottles (include duplicate count): 17 MS & MSD (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 0928 **Sampling Method** (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	0932	1.5	24.33	7.39	614.7	15.1	0.06	132.1	3.86	Clear, colorless
2	B	0936	2.1	24.47	7.03	605.8	14.6	0.21	133.2	3.56	" "
3	B	0940	2.5	24.57	6.88	601.5	14.5	0.27	133.0	4.06	" "
4	B	0944	2.9	24.67	6.79	584.9	14.3	0.36	132.6	3.98	" "
5		Unable to low-flow, try 3x volume - increase pump speed									
6	A	0952	1.7 g	25.81	6.64	590.2	15.4	0.62	130.5	4.26	Clear, colorless
7	A	1000	2.5 g	26.97	6.62	596.2	15.4	0.66	129.9	4.82	" "
8				Sample - 3x volume							
9											
10											
11											
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

0.6 ↓
0.4 ↓

Comments: Tides during purging (circle one): Ebb (going out) Slack Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3
*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.
**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Caffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-23-27
SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS- 121922-15
DUP ID: — Time: —

WIND FROM:	N	(NE)	E	SE	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		(CLOUDY)		RAIN		No Wind	**TEMPERATURE:**	39 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW	[Water Column x Gal/ft] Volume (gal)
12/19/2022	10 : 44	26.19	—	30.3	—	4.11	X 1 0.67
〃	〃	〃	〃	〃	〃	〃	X 3 2.01

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	12/19/22	11 : 30	B	6	40 ml	HCl	YES	NO	---	√
Amber Glass	〃	〃	〃	2	125ml	None	YES	NO	---	√
Green Poly	〃	〃	〃	1	125ml	NaOH	YES	NO	---	√
Red Poly-total	〃	〃	〃	1	250ml	HNO_3	YES	NO	---	√
Red Poly-diss**	〃	〃	〃	—	250ml	HNO_3	YES	YES	---	
White Poly**	〃	〃	〃	—	500ml	None	YES	NO	---	
VOA Glass*	12/19/22	11 : 30	B	3	40ml	HCL	YES	NO	---	√
Amber Glass*	〃	〃	〃	4	1L	HCl	YES	NO	---	√

Total Bottles (include duplicate count): 17 **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 1055 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1059	1.6	27.11	6.68	453.5	14.4	0.08	129.7	6.20	Clear, colorless
2	B	1103	3.2	27.55	6.60	459.8	14.5	0.08	123.2	7.38	〃 〃
3	B	1107	4.0	27.71	6.62	507.8	14.2	0.21	116.8	6.24	〃 〃
4	B	1111	4.4	27.70	6.61	527.0	13.8	0.26	112.4	4.46	〃 〃
5	B	1115	4.8	27.64	6.62	535.3	13.8	0.32	109.8	4.92	〃 〃
6	B	1119	5.2	27.59	6.63	539.1	13.8	0.35	104.7	4.55	〃 〃
7	B	1123	5.6	27.55	6.64	547.6	13.9	0.37	101.6	4.48	〃 〃
8											
9											
10											
11											
12											
13											
14											
15											

0.8 ↓
0.4 ↓

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) Slack (Flood (coming in))

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3
*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.
**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME:	Integrated Monitoring 000029-02.78	**WELL ID:**	OW-8-15
SITE ADDRESS:	7900 NW St Helens Rd, Portland OR	**BLIND ID:**	~~OS-~~ No Sample
		DUP ID:	— Time: —

WIND FROM:	N	NE	E	SE	S	SW	(W)	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	(SUNNY)	PRTLY CLDY		CLOUDY		RAIN		No Wind		**TEMPERATURE:**	68 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
9/23/2022	13:41	17.13	—	17.2	—	Dry *	X 1	Ø
/ /	:	—	—	—	—	—	X 3	Ø

Gal/ft = (dia./2)² x 0.163	1" = 0.041	2" = 0.163	6" = 1.469	8" = 2.611	NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other NA

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	~~/ /~~	:			40 ml	HCl	YES	NO	—	
Amber Glass	/ /	:			125ml	None	YES	NO	---	
Green Poly	/ /	:			125ml	NaOH	YES	NO	---	
Red Poly-total	/ /	:			250ml	HNO_3	YES	NO	—	
Red Poly-diss**	/ /	:			250ml	HNO_3	YES	YES	---	
White Poly**	/ /	:			500ml	None	YES	NO	---	
VOA Glass*	/ /	:			40ml	HCL	YES	NO	—	
Amber Glass*	/ /	:			1L	HCl	YES	NO	—	

Total Bottles (include duplicate count): Ø — **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA — Purge Start Time: NA — **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	D	—	—	—	—	—	—	—	—	—	Well dry
2											
3											
4											
5					No Sample						
6											
7					Well Dry						
8											
9											
10											
11											
12											
13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: Tides during purging (circle one): Ebb (going out) (Slack) (Flood (coming in))

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO_3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

* Hit bottom of well

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Dory Laffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA
6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-50F

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** ~~GS~~ No sample

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		(CLOUDY)		RAIN		(No Wind)	TEMPERATURE:	36 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Water	DT-Product	DT-Bottom	[Product Thickness] DTB-DTP	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
12/14/2022	09:00	NA	—	NA	—	—	X 1	NA
/	:	—	—	—	—	—	X 3	NA

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other NA

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	/ /	:			40 ml	HCl	YES	NO	---	
Amber Glass	/ /	:			125ml	None	YES	NO	---	
Green Poly	/ /	:			125ml	NaOH	YES	NO	---	
Red Poly-total	/ /	:			250ml	HNO_3	YES	NO	---	
Red Poly-diss**	/ /	:			250ml	HNO_3	YES	YES	---	
White Poly**	/ /	:			500ml	None	YES	NO	---	
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:			1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): Ø **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	~~VOCs (3 VOAs)~~ VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) ~~*NWTPH-Dx (2x1L)~~ *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **~~Additional Total Metals~~: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: NA **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) ~~Went dry~~ (NOTE)

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	Note	—									
2		Insuffient conditions for groundwater sampling									
3											
4		DNAPL thickness in well > 3 feet									
5		well saturated.									
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
	[Select A-G]		[Cumulative Totals]								[Clarity, Color]

Comments: **Tides during purging (circle one):** Ebb (going out) (Slack) Flood (coming in)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Luffoon (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** OW-8-15

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS- No Sample

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		PRTLY CLDY		CLOUDY		RAIN		No Wind	TEMPERATURE:	38 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
12/19/2022	09:06	16.90	—	17.2	—	0.30	X 1	0.05
/ /	:	—	—	—	—	—	X 3	0.15

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other NA

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	/ /	:			40 ml	HCl	YES	NO	---	
Amber Glass	/ /	:			125ml	None	YES	NO	---	
Green Poly	/ /	:			125ml	A NaOH	YES	NO	---	
Red Poly-total	/ /	:			250ml	HNO_3	YES	NO	---	
Red Poly-diss**	/ /	:			250ml	N HNO_3	YES	YES	---	
White Poly**	/ /	:			500ml	None	YES	NO	---	
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:			1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): Ø **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide Available Cyanide A
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) N **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: NA **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	D	—	—	—	—	—	—	—	—	—	Well dry
2											No sample — stagnet water in sump only
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: **Tides during purging (circle one):** **Ebb (going out)** **Slack** **Flood (coming in)** (NA)

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Huffman (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

ANCHOR QEA

6720 South Macadam Ave, Suite 125, Portland, OR 97219
Office: (503) 670-1108

PROJECT NAME: Integrated Monitoring 000029-02.78 **WELL ID:** MW-21-12

SITE ADDRESS: 7900 NW St Helens Rd, Portland OR **BLIND ID:** GS-~~122122-1502~~ No sample

DUP ID: — Time: —

WIND FROM:	N	NE	E	SE	S	SW	W	(NW)	LIGHT	MEDIUM	HEAVY
WEATHER:	(SUNNY)	PRTLY CLDY		CLOUDY	RAIN			No Wind		TEMPERATURE:	35 °F

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] 0% [Water Column x Gal/ft]

Date	Time	DT-Water	DT-Product	DT-Bottom	DTB-DTP	DTB-DTW		Volume (gal)
12/21/2022	09:55	13.38	—	15.5	—	2.12	X 1	0.35
12/22/2022	09:46	15.50	—	15.50	—	0	X 3	1.05

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2" = 0.163) | 6" = 1.469 | 8" = 2.611 | NA

§ METHODS: (A) Dedicated Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) Waterra inertial pump (E) Dedicated Pneumatic Pump (F) Other_____

GROUNDWATER SAMPLING DATA

Bottle Type	Date	Time	Method §	#	Volume	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	/ /	:			40 ml	HCl	YES	NO	---	
Amber Glass	/ /	:			125ml	None	YES	NO	---	
Green Poly	/ /	:			125ml	NaOH	YES	NO	---	
Red Poly-total	/ /	:			250ml	A HNO_3	YES	NO	---	
Red Poly-diss**	/ /	:			250ml	N ~~HNO_3~~	YES	YES	---	
White Poly**	/ /	:			500ml	None	YES	NO	---	
VOA Glass*	/ /	:			40ml	HCL	YES	NO	---	
Amber Glass*	/ /	:			1L	HCl	YES	NO	---	

Total Bottles (include duplicate count): Ø **MS & MSD** (circle if collected)

BOTTLE TYPE	ANALYSIS PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA vial - Glass	VOCs (3 VOAs) VOCs SIM (3 VOAs) *NWTPH-Gx (same as VOCs) *VPH (3 VOAs)
AMBER - Glass	PAHs (2x125ml amber) *NWTPH-Dx (2x1L) A *EPH (2x1L)
GREEN - Poly	Total Cyanide Free Cyanide N Available Cyanide
RED TOTAL - Poly	Total Metals (Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Ag, Tl, V, Zn) **Additional Total Metals: (Ca, K, Na, Mg)
RED DISSOLVED - Poly**	Dissolved Metals (Fe, Mg)
WHITE - Poly**	Ions (SO4, Cl, HCO3, CO3, NO3)

WATER QUALITY DATA Purge Start Time: 0958 **Sampling Method**: (A) 3X volume purge (B) Low-flow (C) Grab (D) Went dry

Meas.	Method §	Time (24hr)	Purged (gal)(L)	DTW (ft TOC)	pH	Spec Cond (µS/cm)	Temp (°C)	DO (mg/l)	ORP (mV)	Turbidity (NTU)	Water Quality
1	B	1002	1.2	15.17	7.30	446.1	15.3	0.06	106.4	45.51	Orange tint
2	B	1006	1.6	15.58	6.85	434.6	14.3	0.19	100.4	32.24	Light orange tint w/S.S.
3	D	1009	—	Well dry, allow to recharge							
4											
5				No recharge — No sample - 12/22/2022 @ 0946							
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											

0.4↓

[Select A-G] [Cumulative Totals] [Clarity, Color]

Comments: Tides during purging (circle one): Ebb (going out) Slack (Flood (coming in)) SS. = Suspended Solids

All Sites: PAHs 8270 2x125ml amber glass, VOCs 8260 3x40ml with HCL, VOCs 8260 SIM 3x40ml with HCL, CN 125ml brown poly with NaOH, Total Metals 250ml poly with HNO3

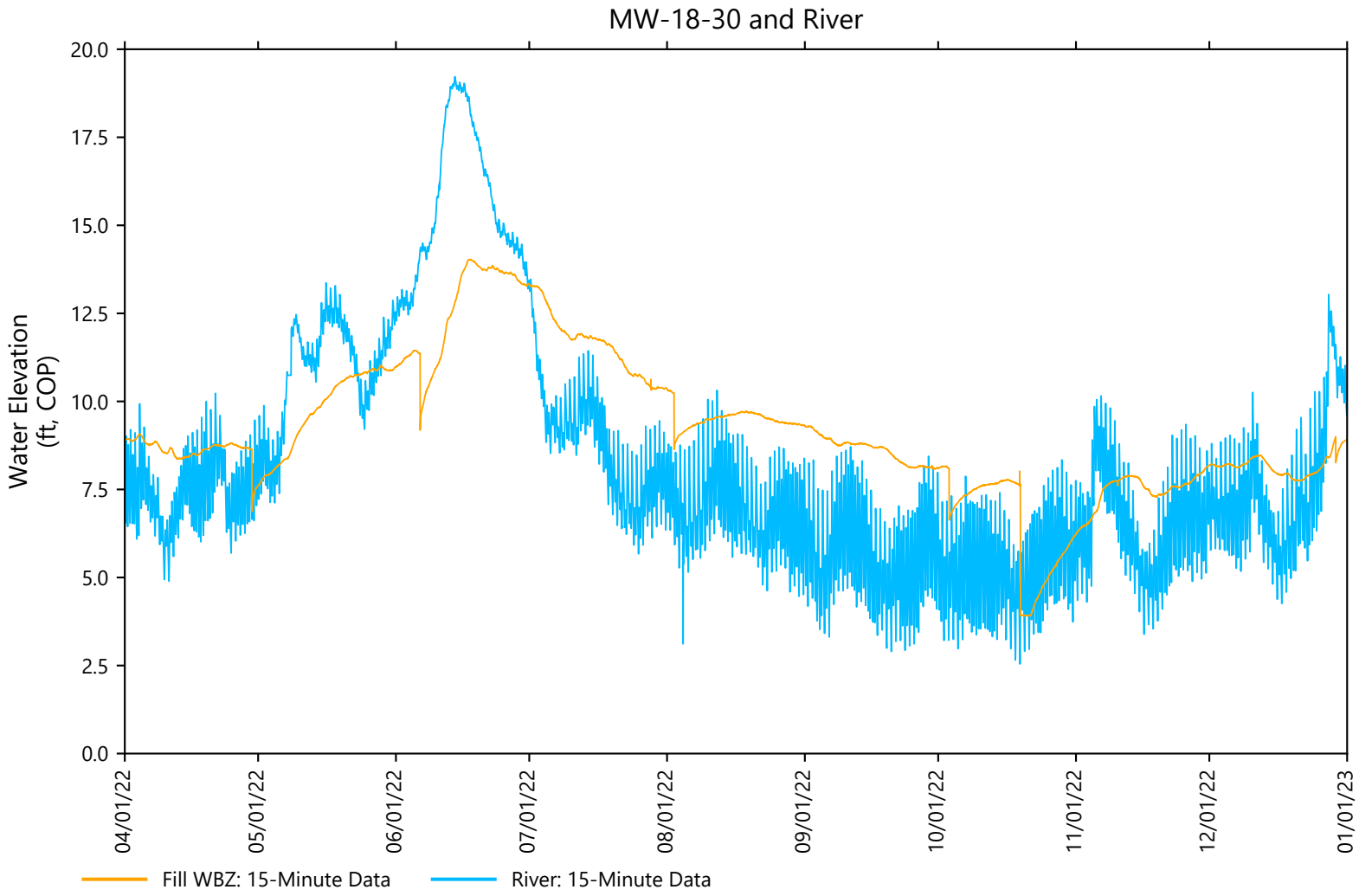
*=Expanded Sites: NWTPH-Gx 3x40ml with HCL (can be same as VOCs), NWTPH-Dx 2x1L amber glass with HCL, VPH 3x40ml with HCL, and EPH 2x1L amber glass with HCL.

**= River Parameter samples include additional total metals (Ca, K, Na, Mg), dissolved metals (Fe & Mg), and SO4, Cl, HCO3, CO3, NO3 Ions. Dissolved metals are field filtered. Ions are not filtered.

Volume to remove from Waterra tubing before low-flow sampling = (height of water column) x 0.0102 Gallons/ft 1 liter = 0.264 gal

SAMPLER: Doug Lufkin (PRINTED NAME) (SIGNATURE)

Attachment C
Hydrographs



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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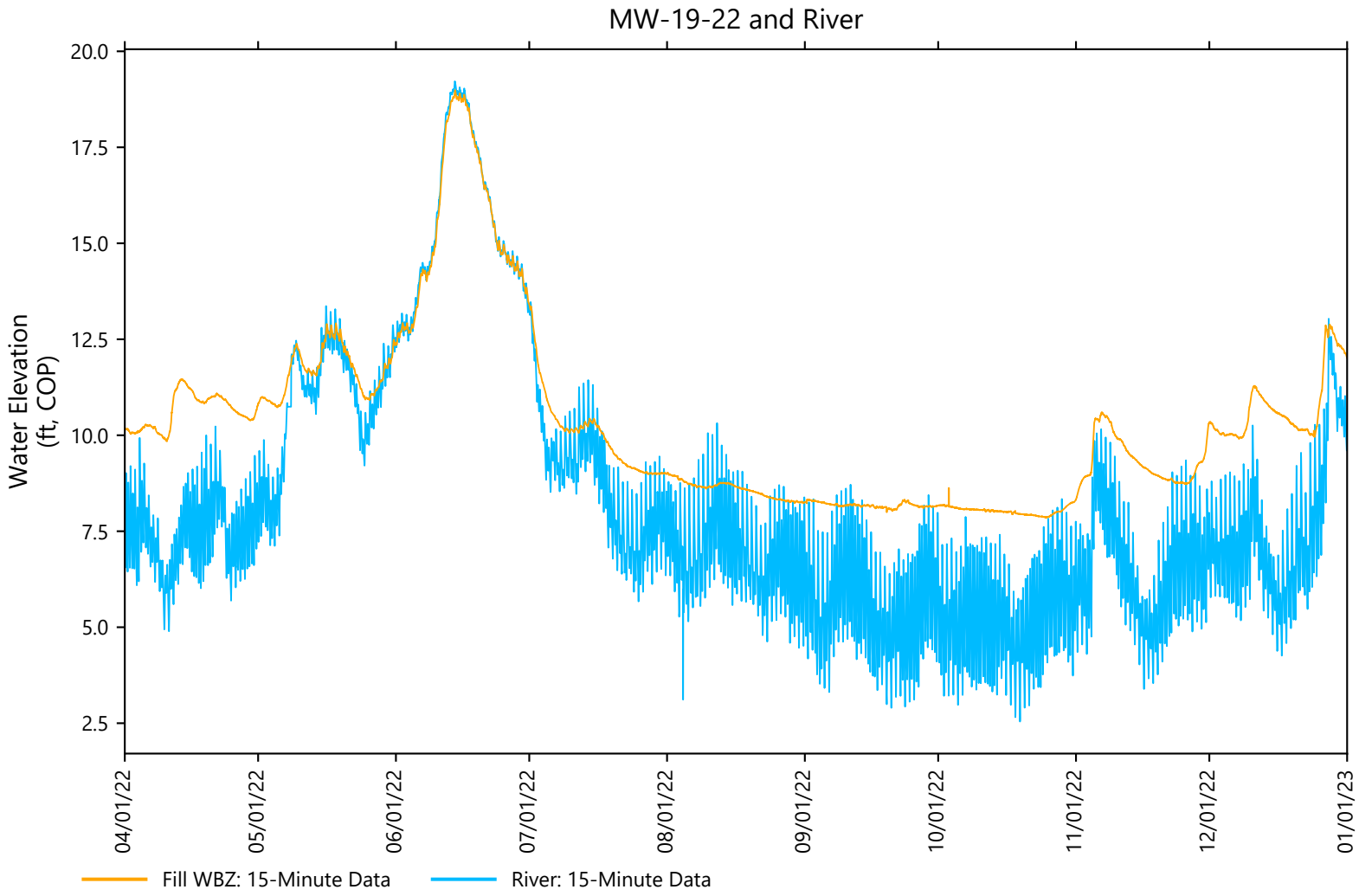
ANCHOR QEA

Figure C-1
Groundwater Elevations – MW-18-30 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
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WBZ: water-bearing zone

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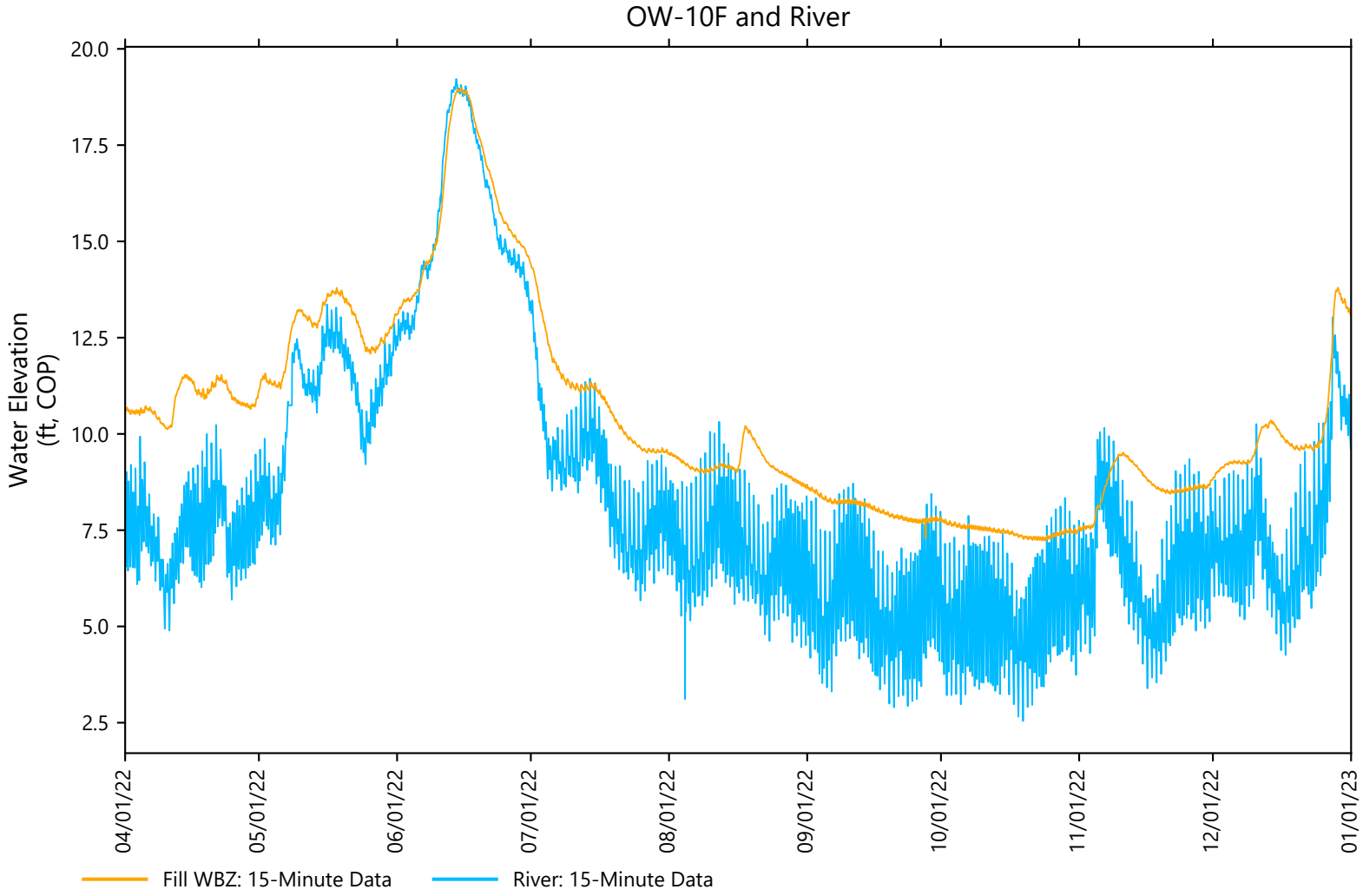
Figure C-2
Groundwater Elevations – MW-19-22 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
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WBZ: water-bearing zone

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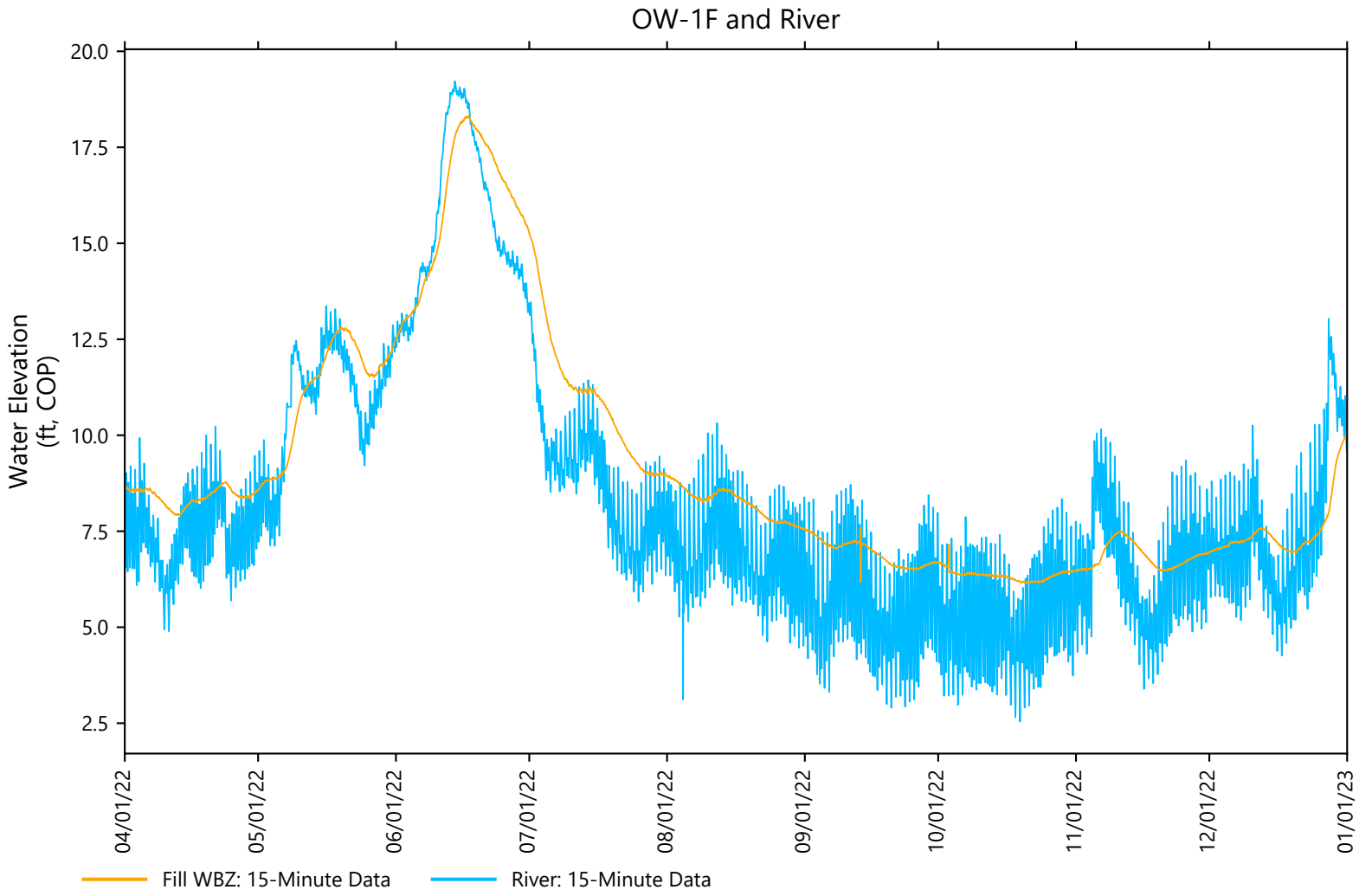
Figure C-3
Groundwater Elevations – OW-10F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



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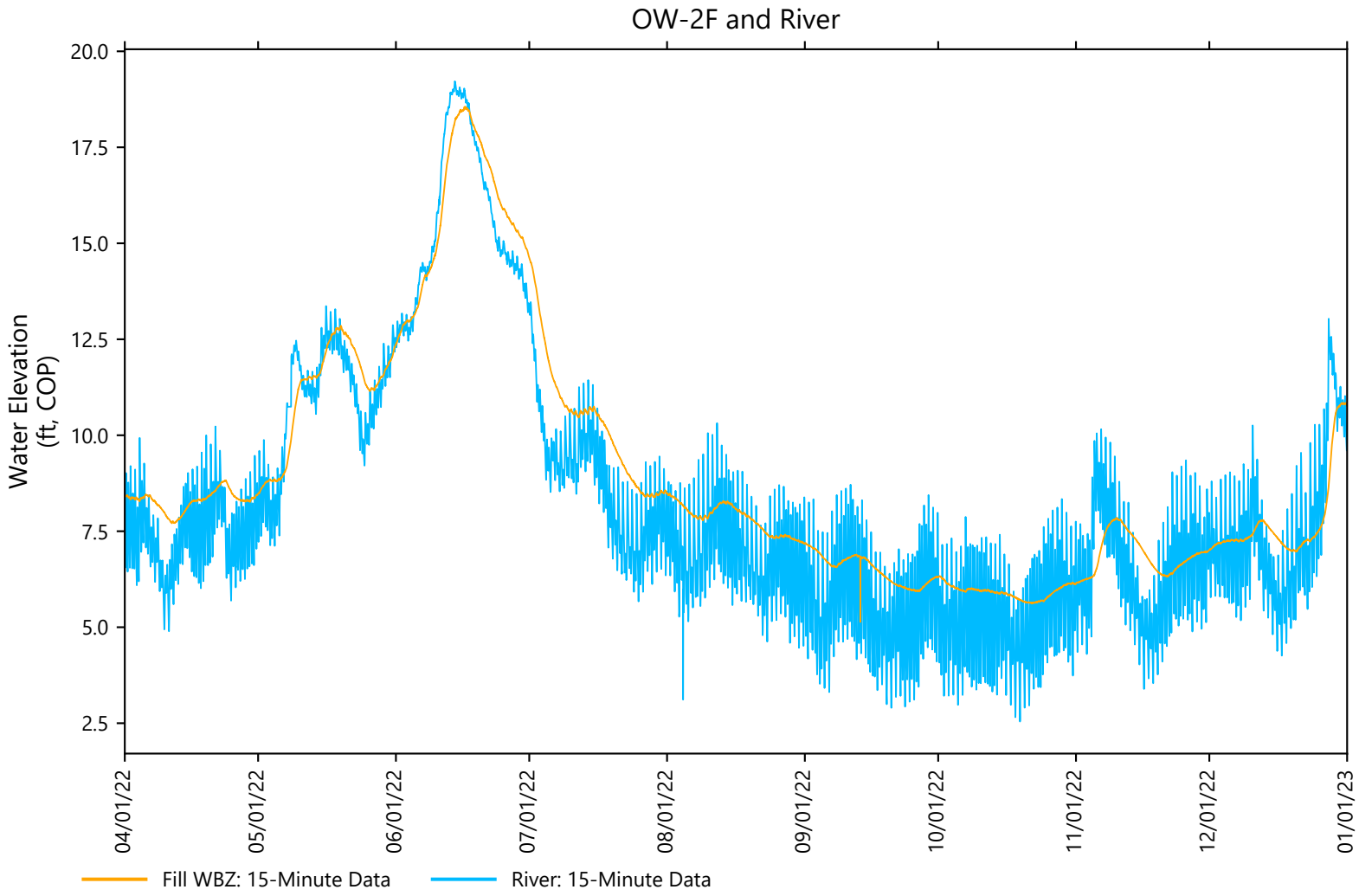
ANCHOR QEA

Figure C-4
Groundwater Elevations – OW-1F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
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WBZ: water-bearing zone

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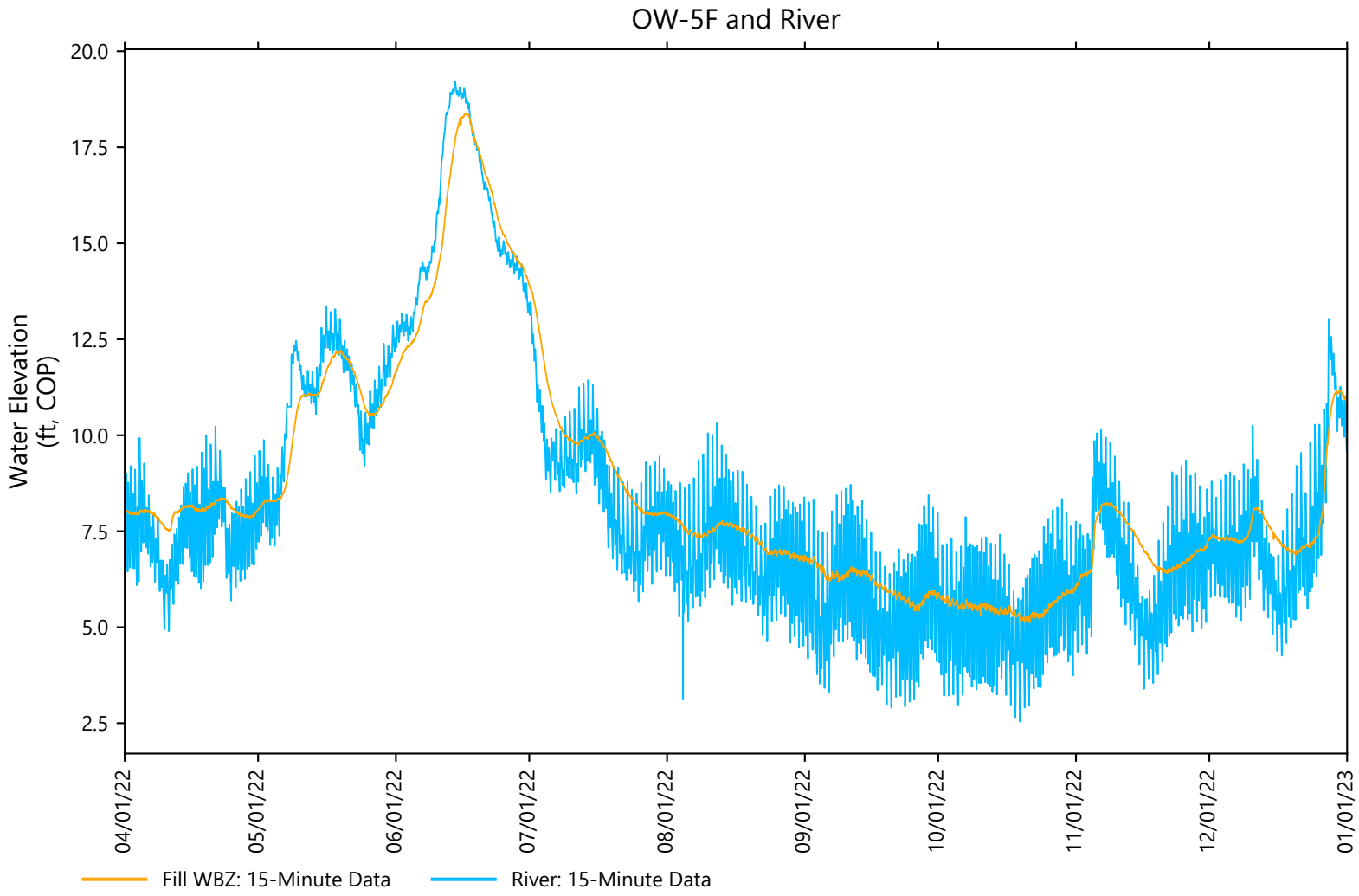
ANCHOR QEA

Figure C-5
Groundwater Elevations – OW-2F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
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ANCHOR QEA

Figure C-6
Groundwater Elevations – OW-5F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site

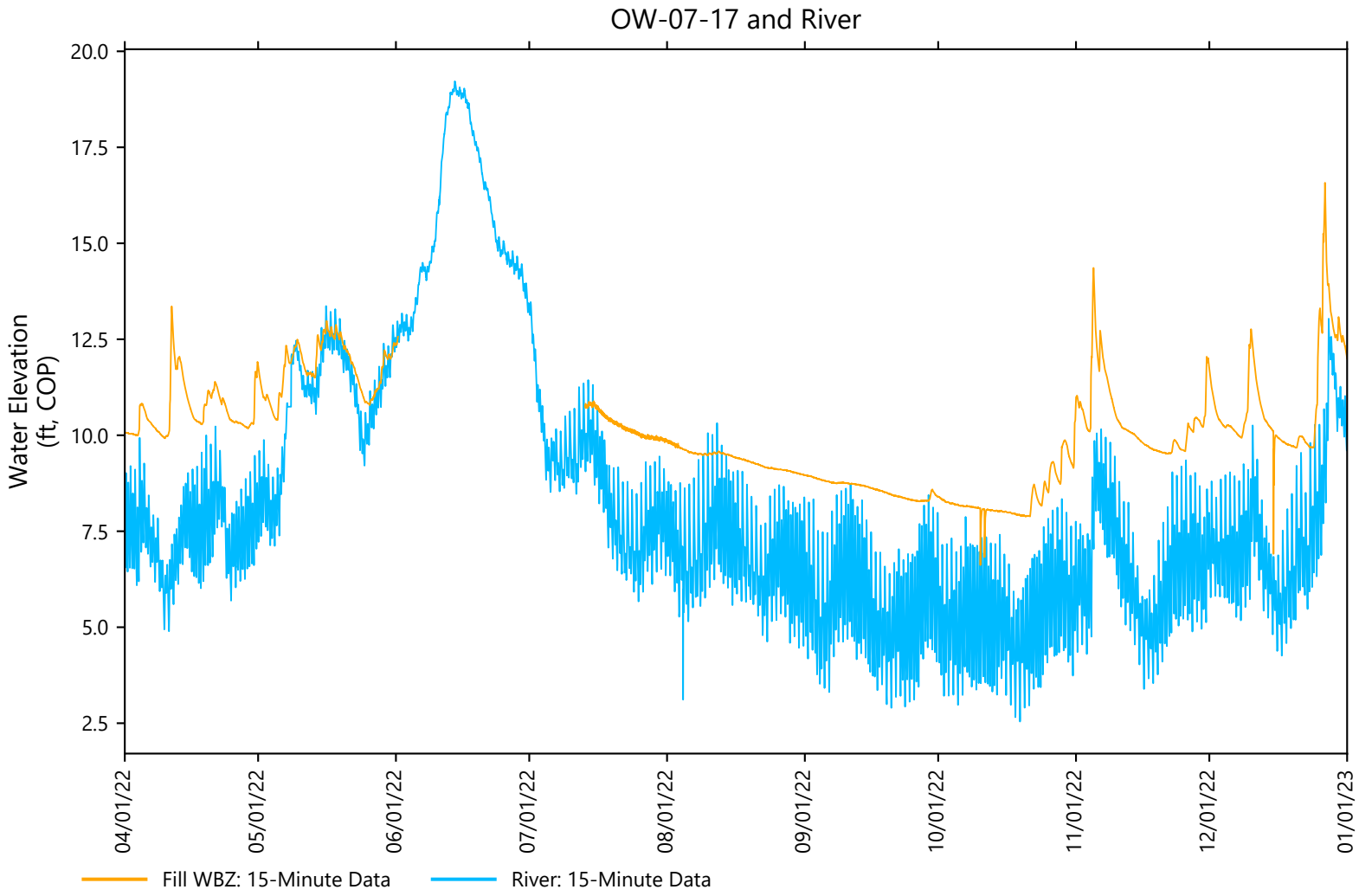

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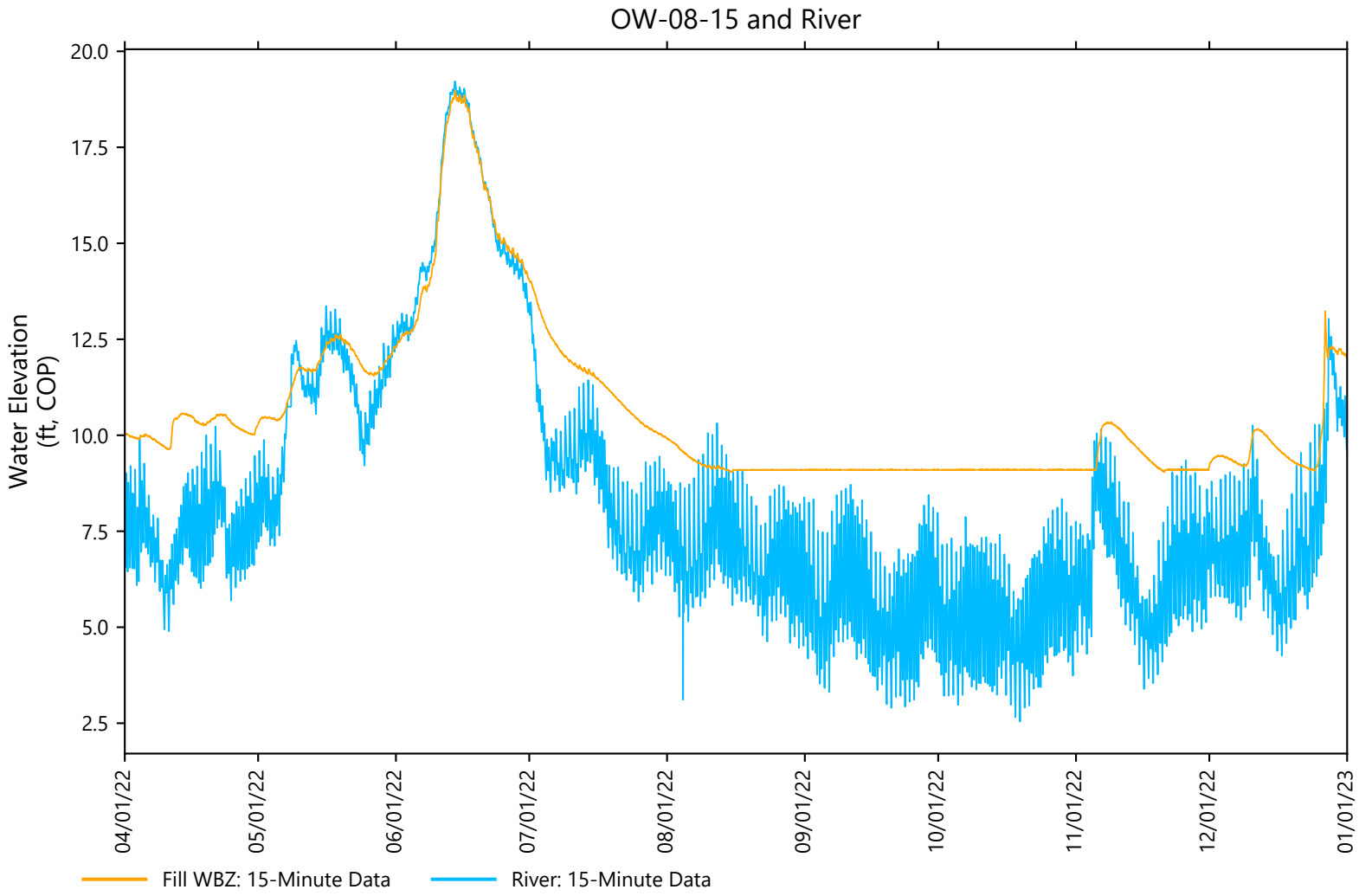
Figure C-7
Groundwater Elevations – OW-07-17 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
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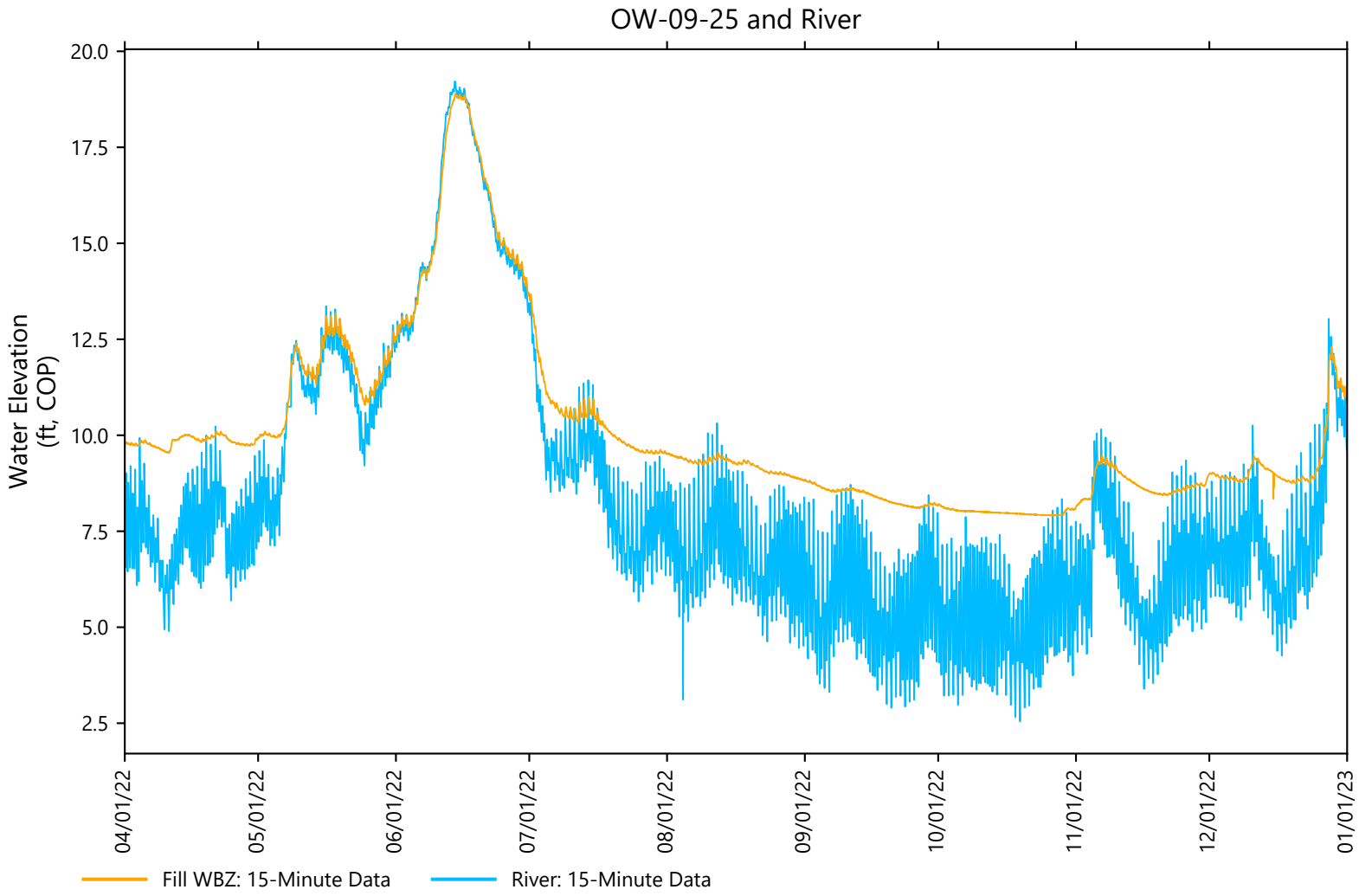
Figure C-8
Groundwater Elevations – OW-08-15 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
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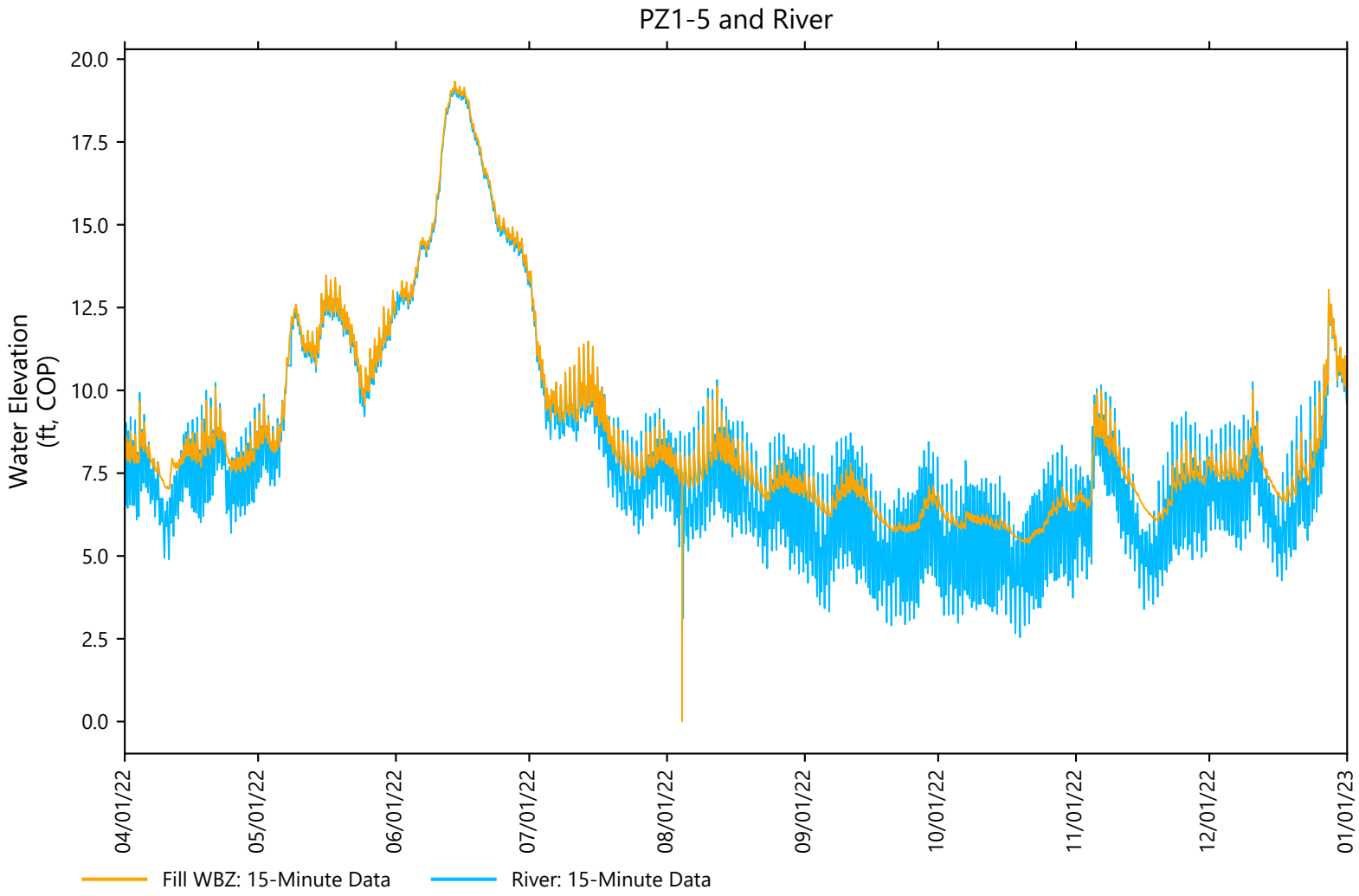
ANCHOR QEA

Figure C-9
Groundwater Elevations – OW-09-25 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
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ft: feet
WBZ: water-bearing zone

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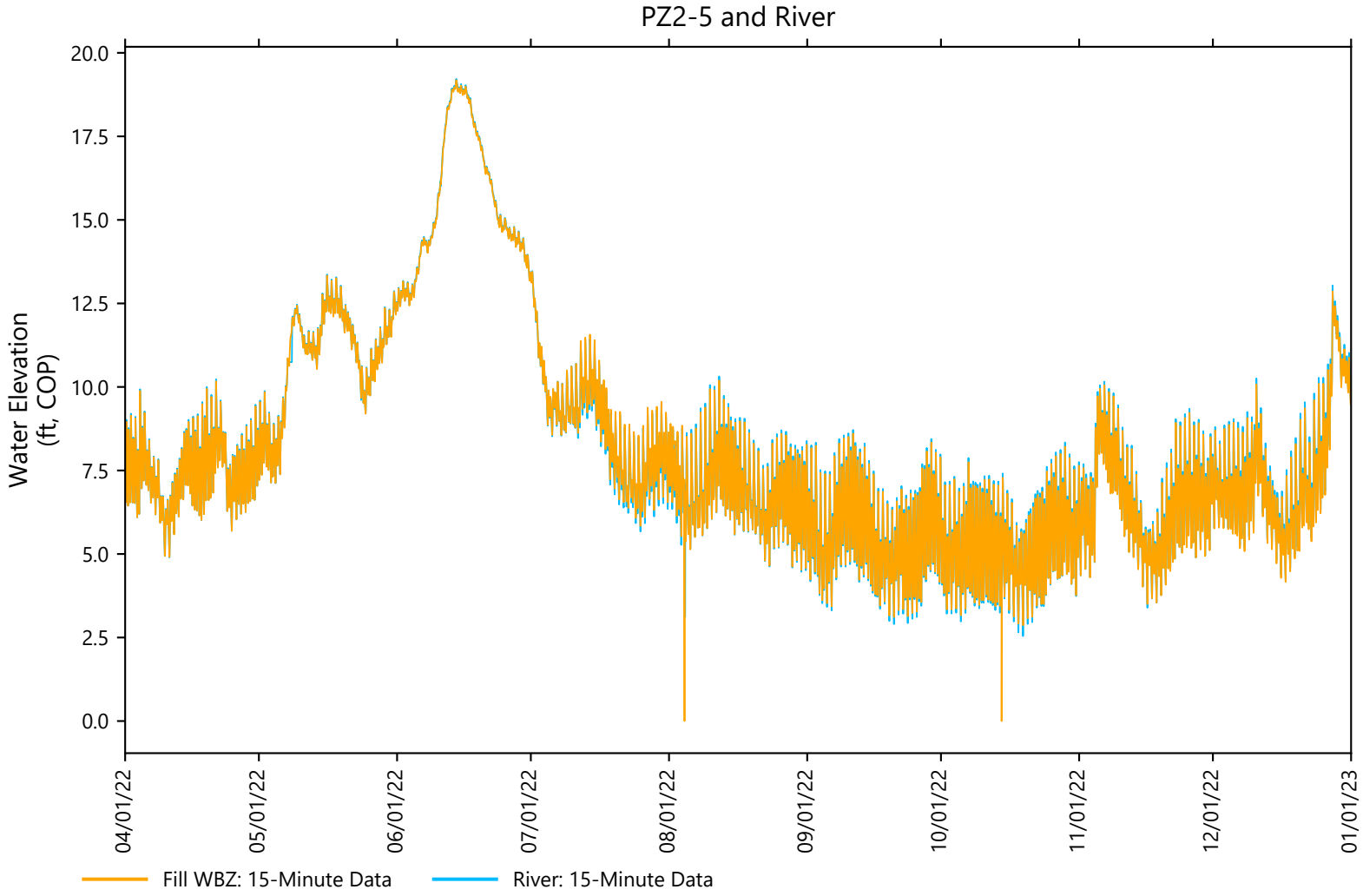
Figure C-10
Groundwater Elevations – PZ1-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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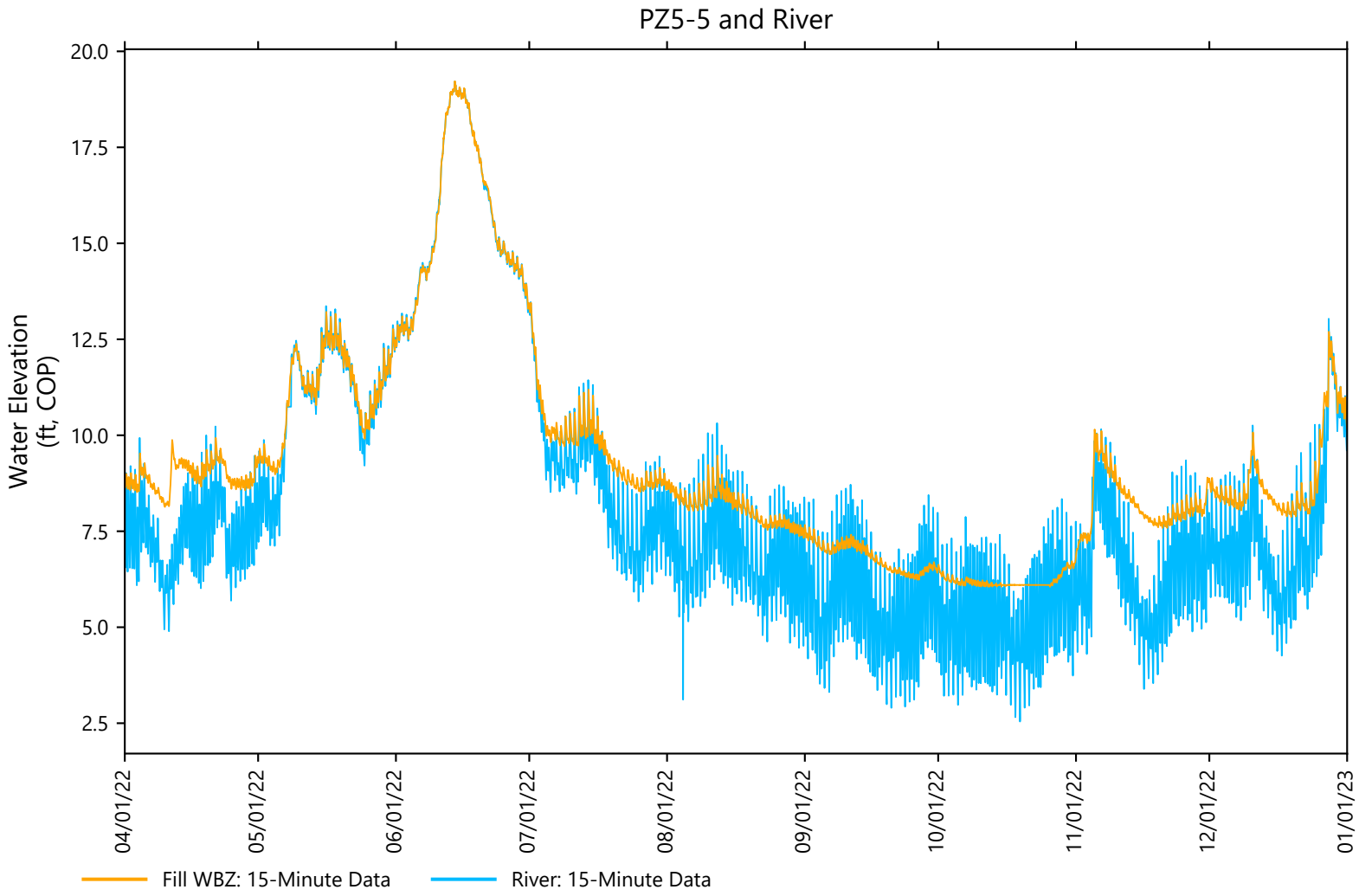
ANCHOR QEA

Figure C-11
Groundwater Elevations – PZ2-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



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WBZ: water-bearing zone

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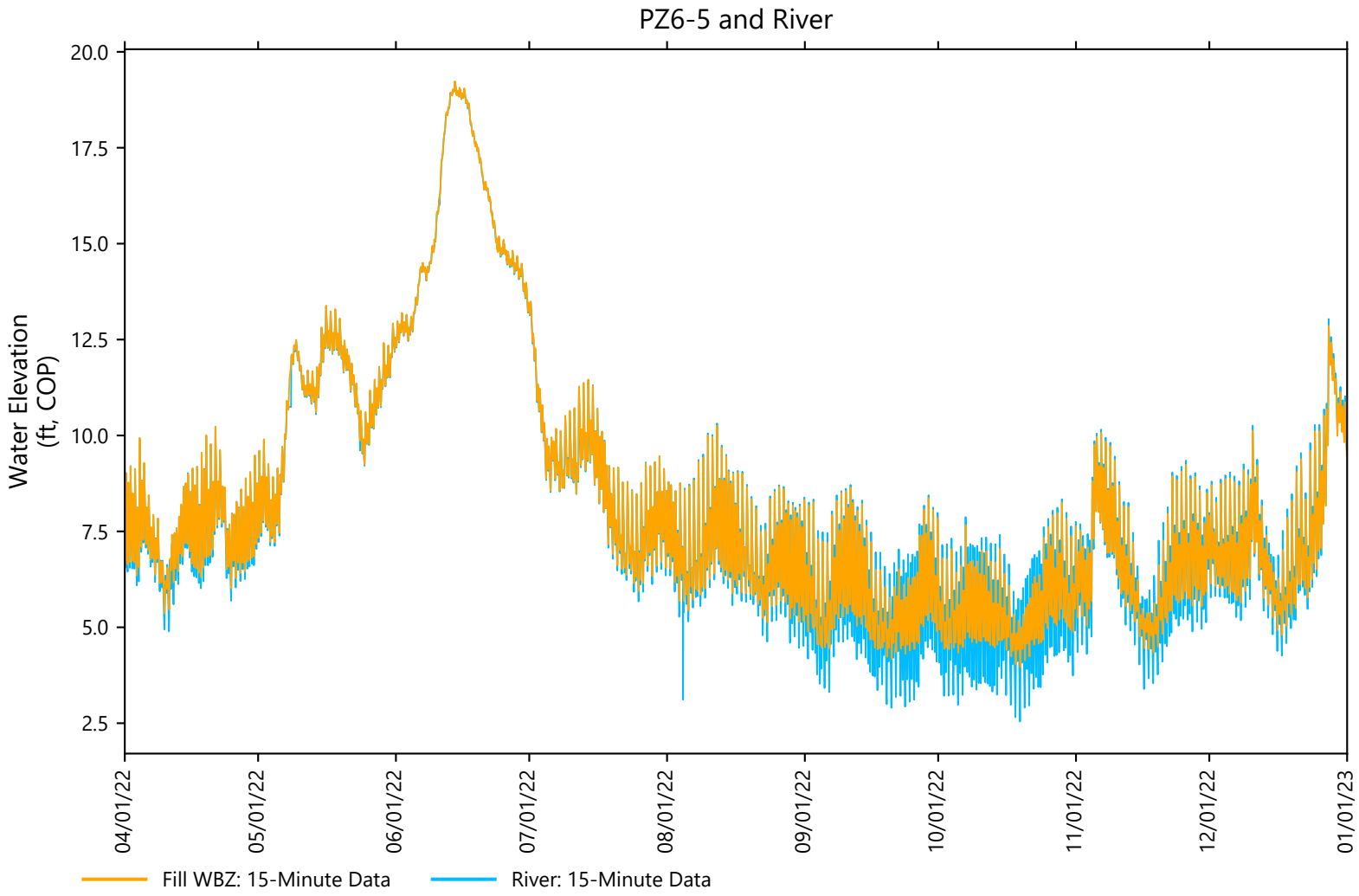
Figure C-12
Groundwater Elevations – PZ5-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
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ft: feet
WBZ: water-bearing zone

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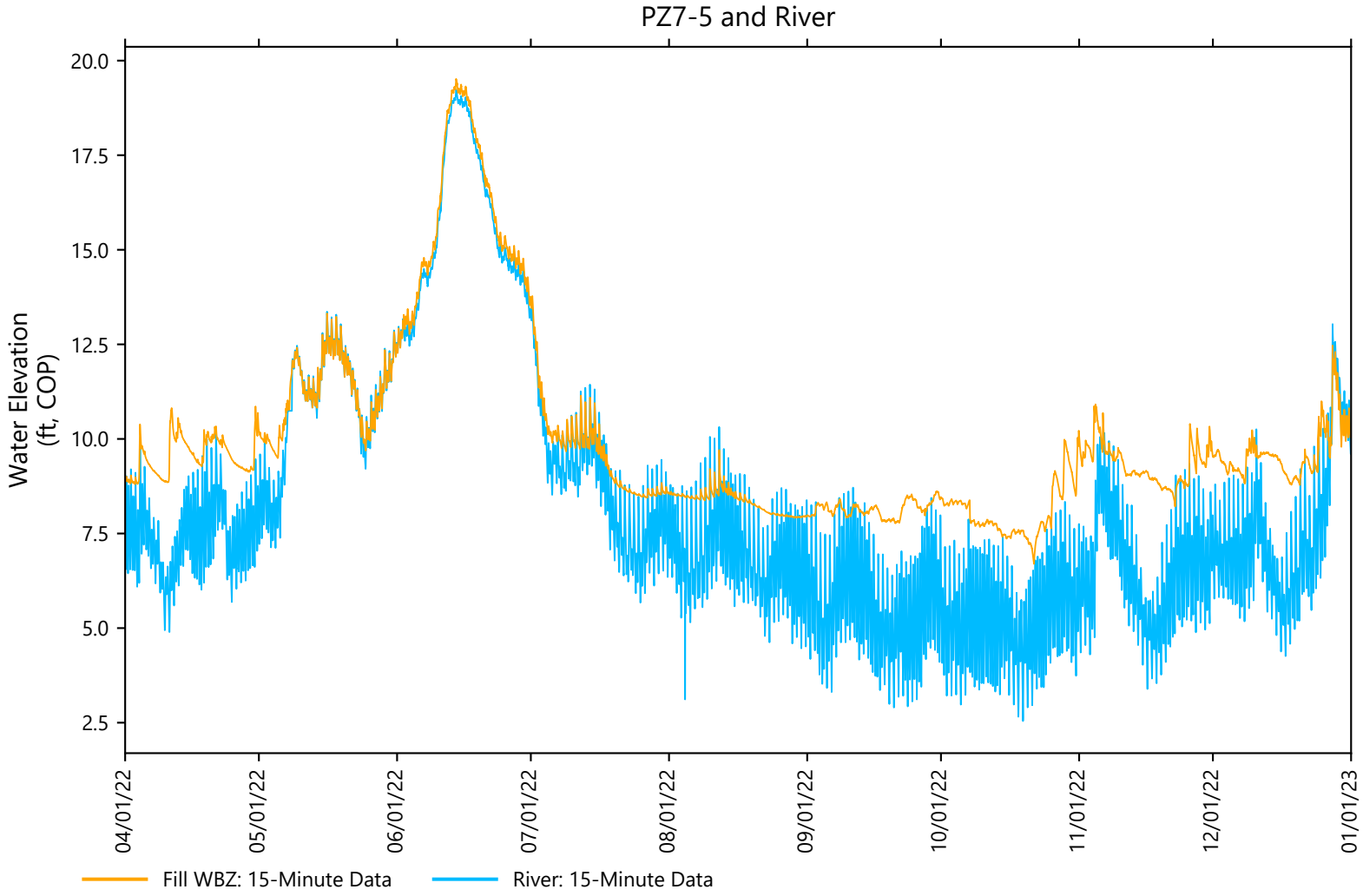
Figure C-13
Groundwater Elevations – PZ6-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
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ft: feet
WBZ: water-bearing zone

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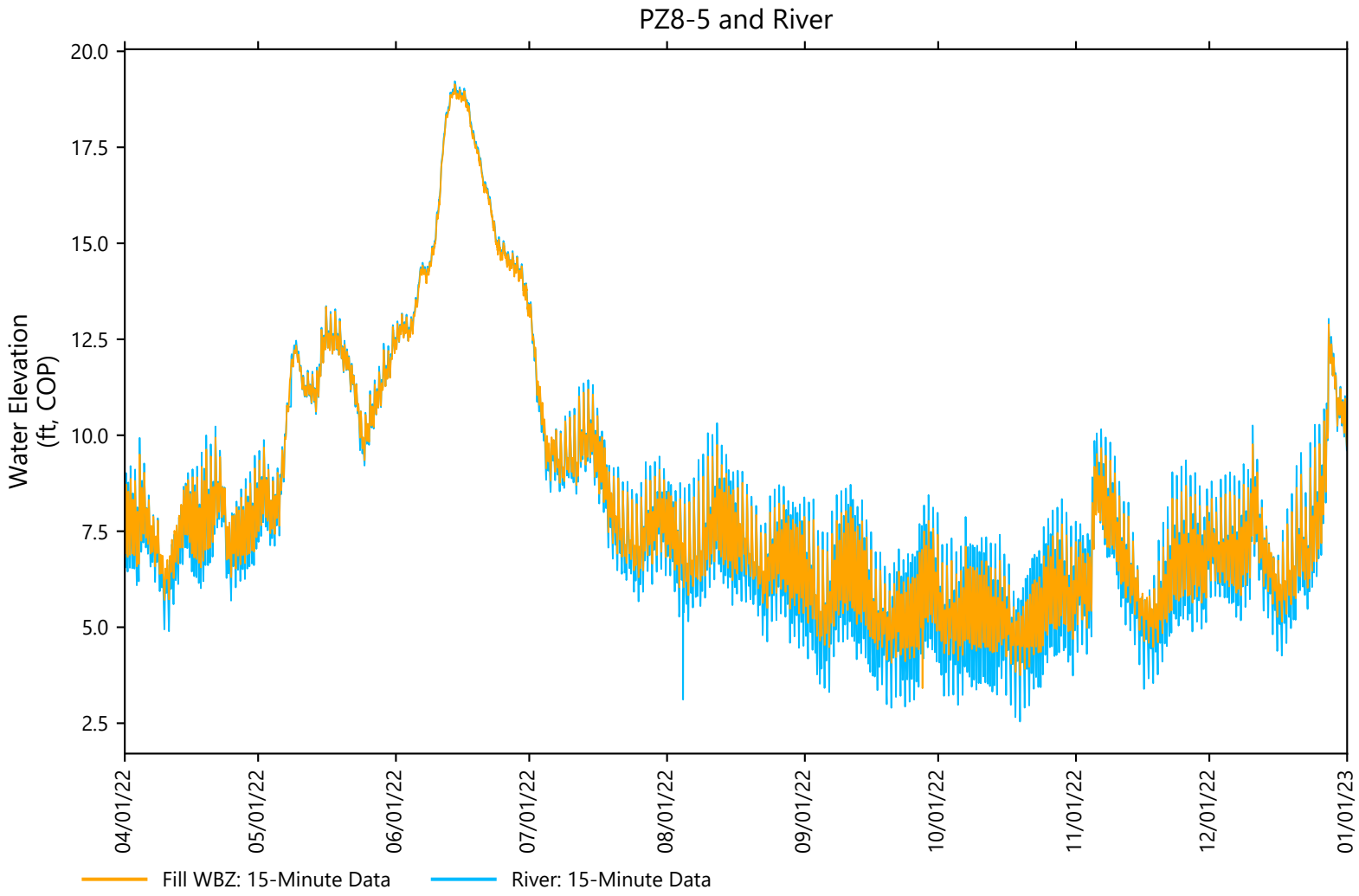
ANCHOR QEA

Figure C-14
Groundwater Elevations – PZ7-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



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WBZ: water-bearing zone

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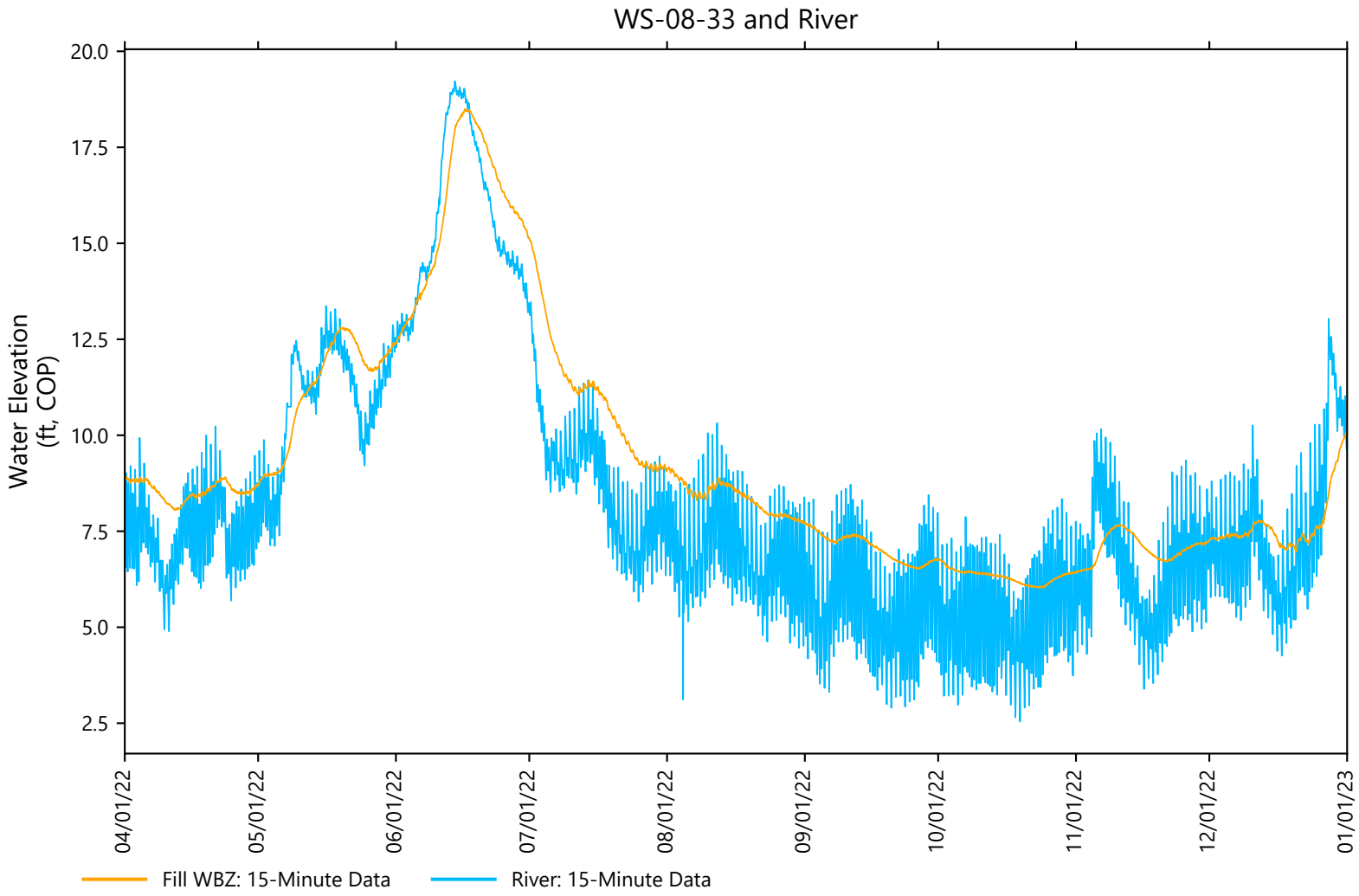
Figure C-15
Groundwater Elevations – PZ8-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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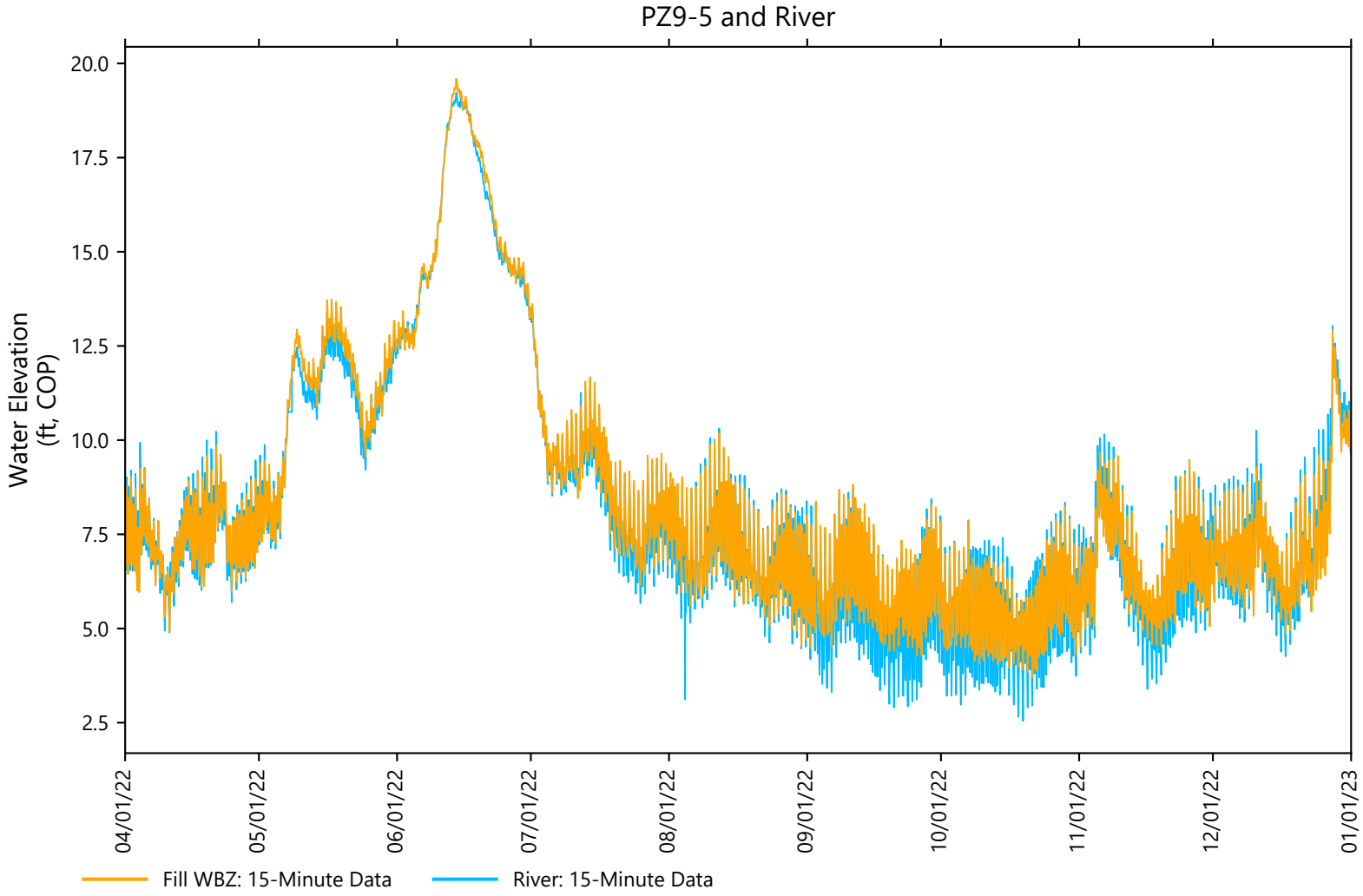
Figure C-16
Groundwater Elevations – WS-08-33 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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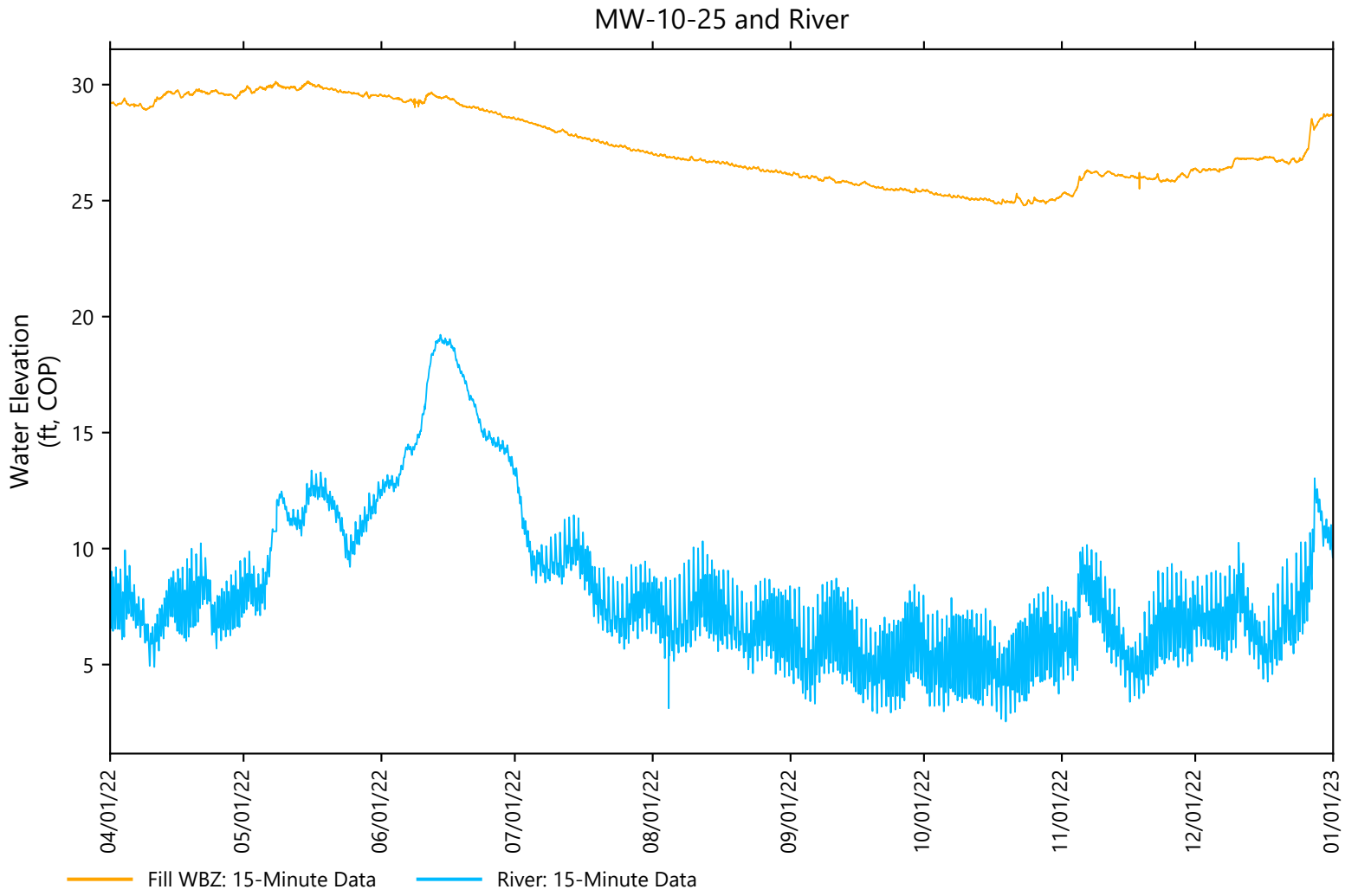
ANCHOR QEA

Figure C-17
Groundwater Elevations – PZ9-5 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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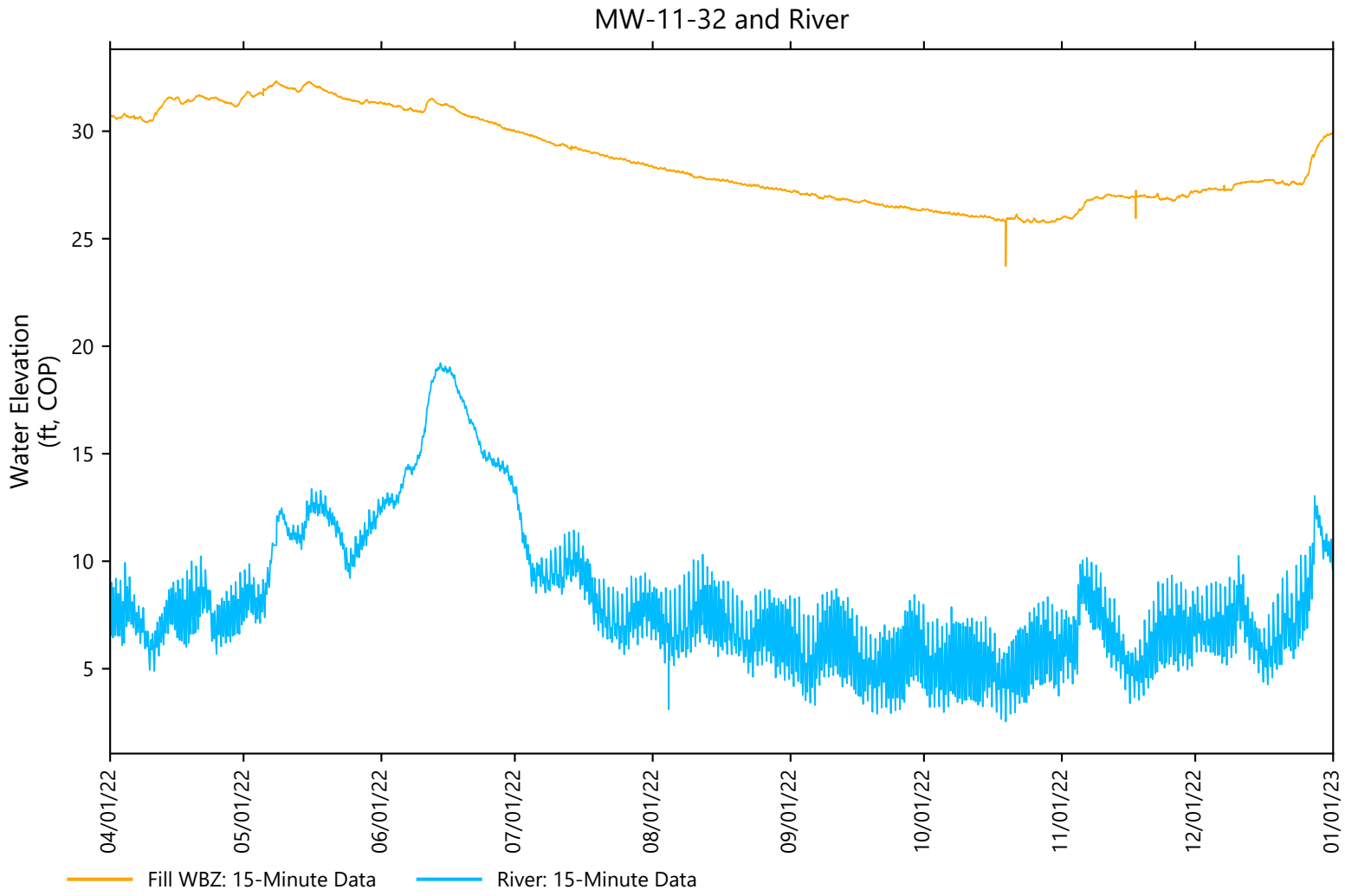
ANCHOR QEA

Figure C-18
Groundwater Elevations – MW-10-25 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



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COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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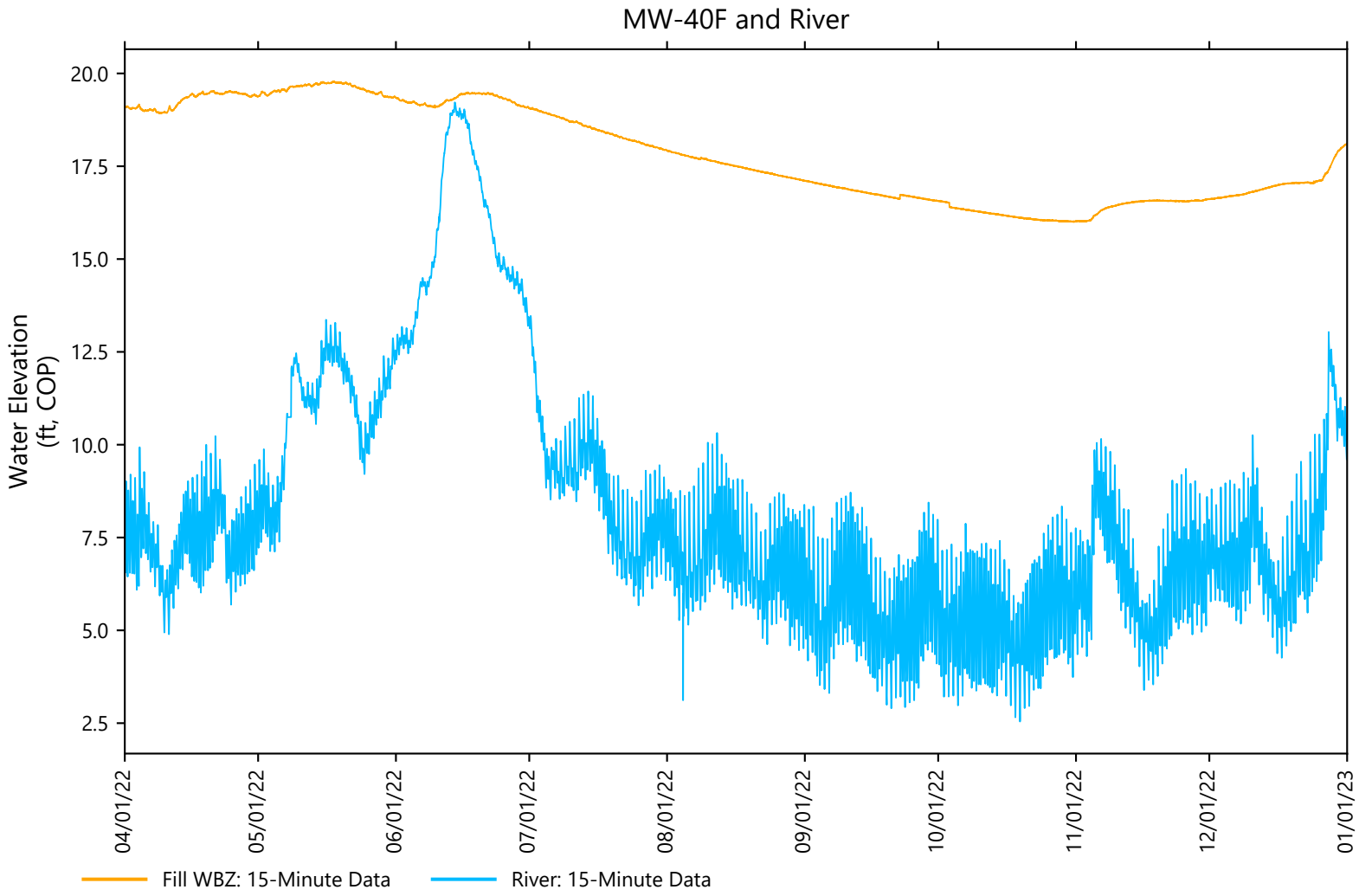
ANCHOR QEA

Figure C-19
Groundwater Elevations – MW-11-32 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



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COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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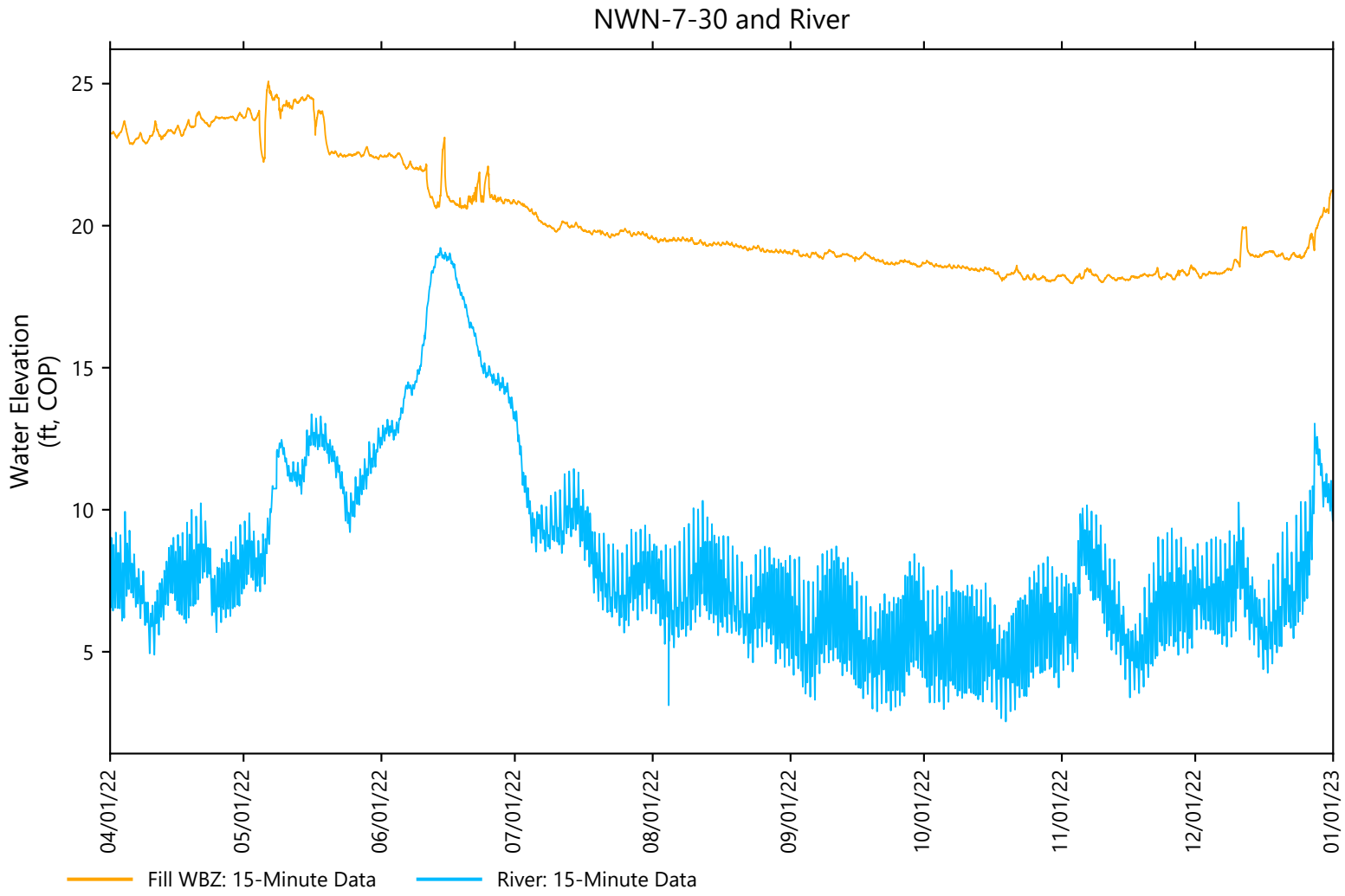
ANCHOR QEA

Figure C-20
Groundwater Elevations – MW-40F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

Publish Date: 04/26/2023 14:16 PM | User: PS
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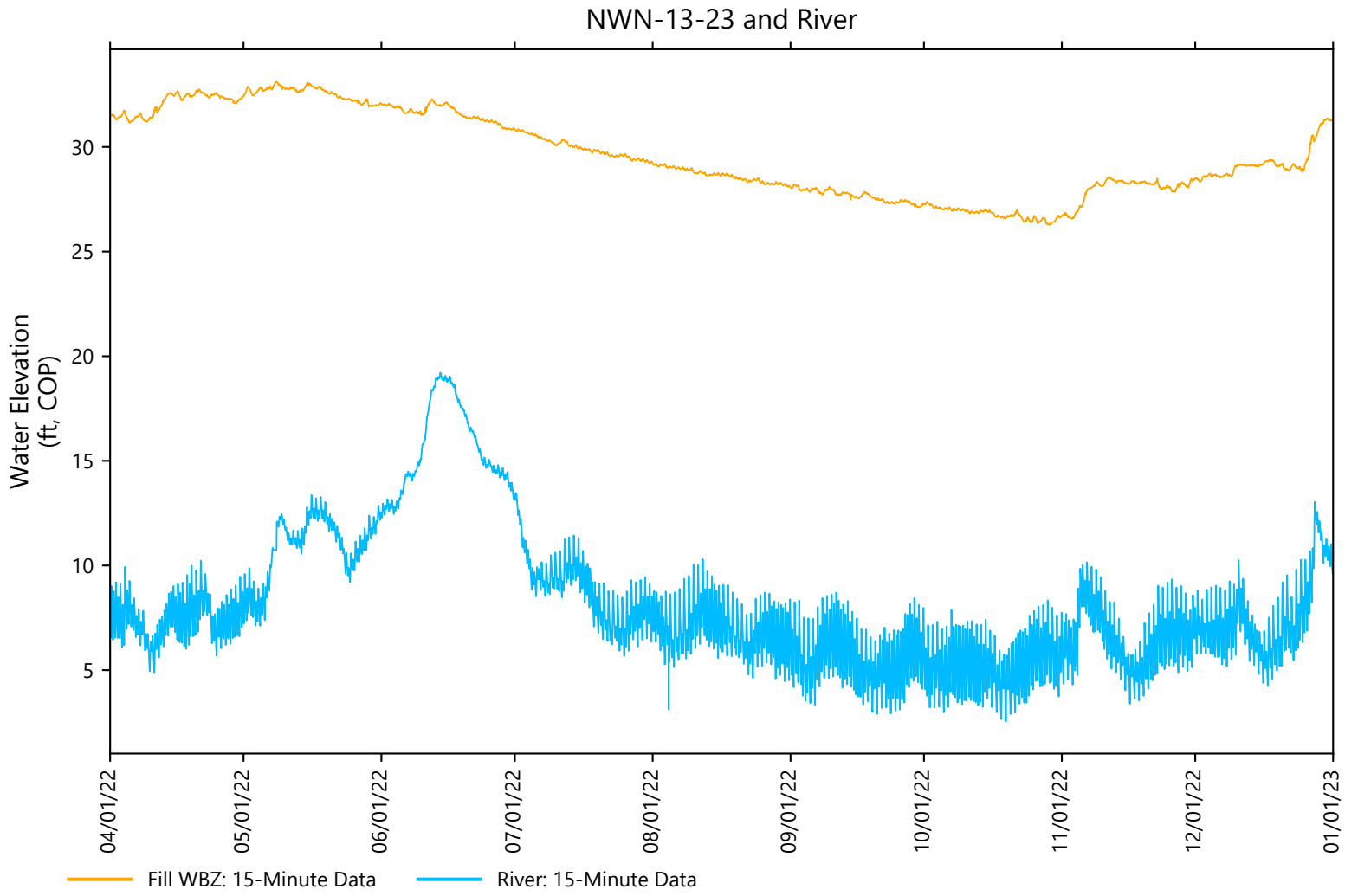
ANCHOR QEA

Figure C-21
Groundwater Elevations – NWN-7-30 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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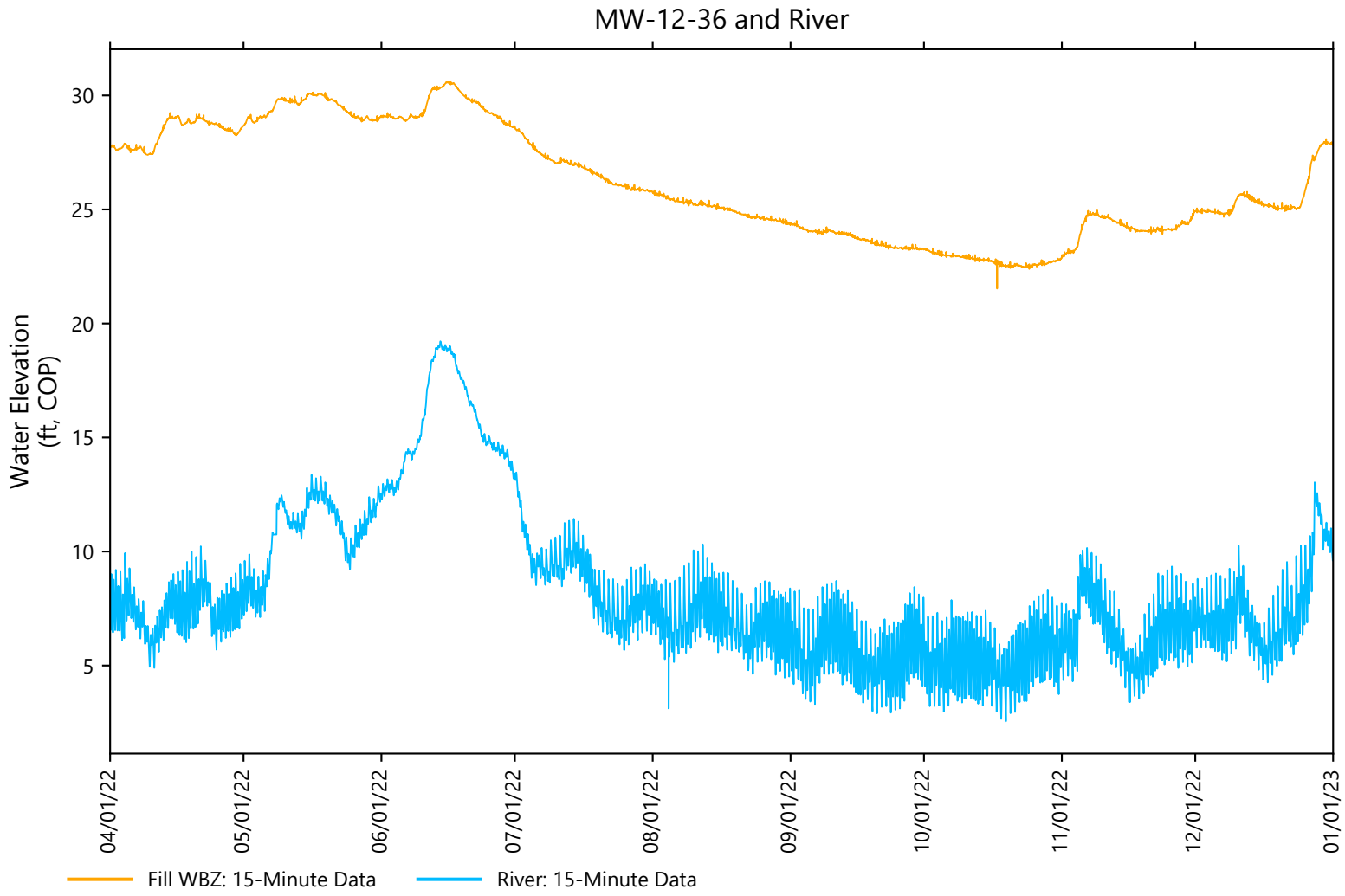
ANCHOR QEA

Figure C-22
Groundwater Elevations – NWN-13-23 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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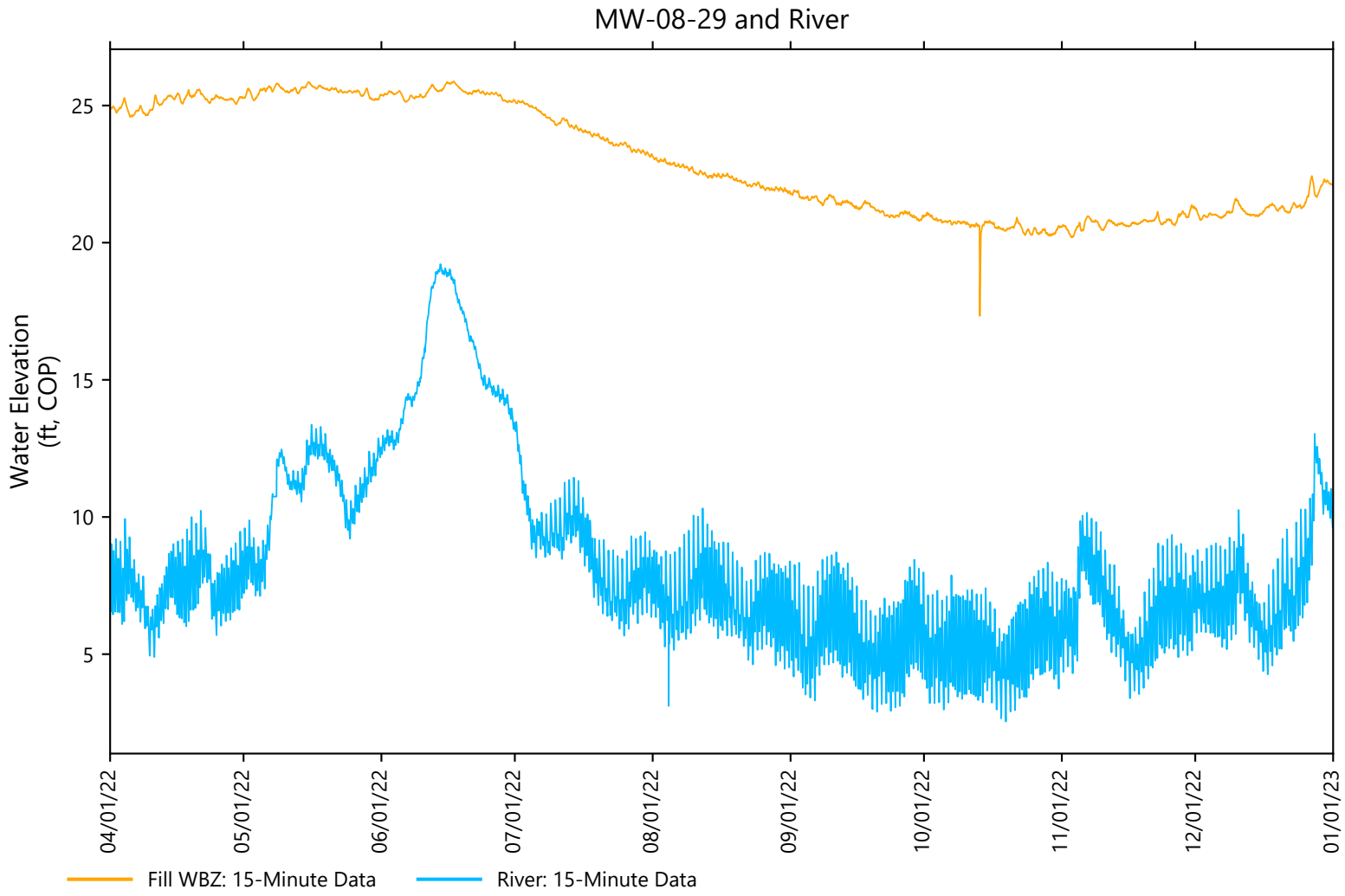
Figure C-23
Groundwater Elevations – MW-12-36 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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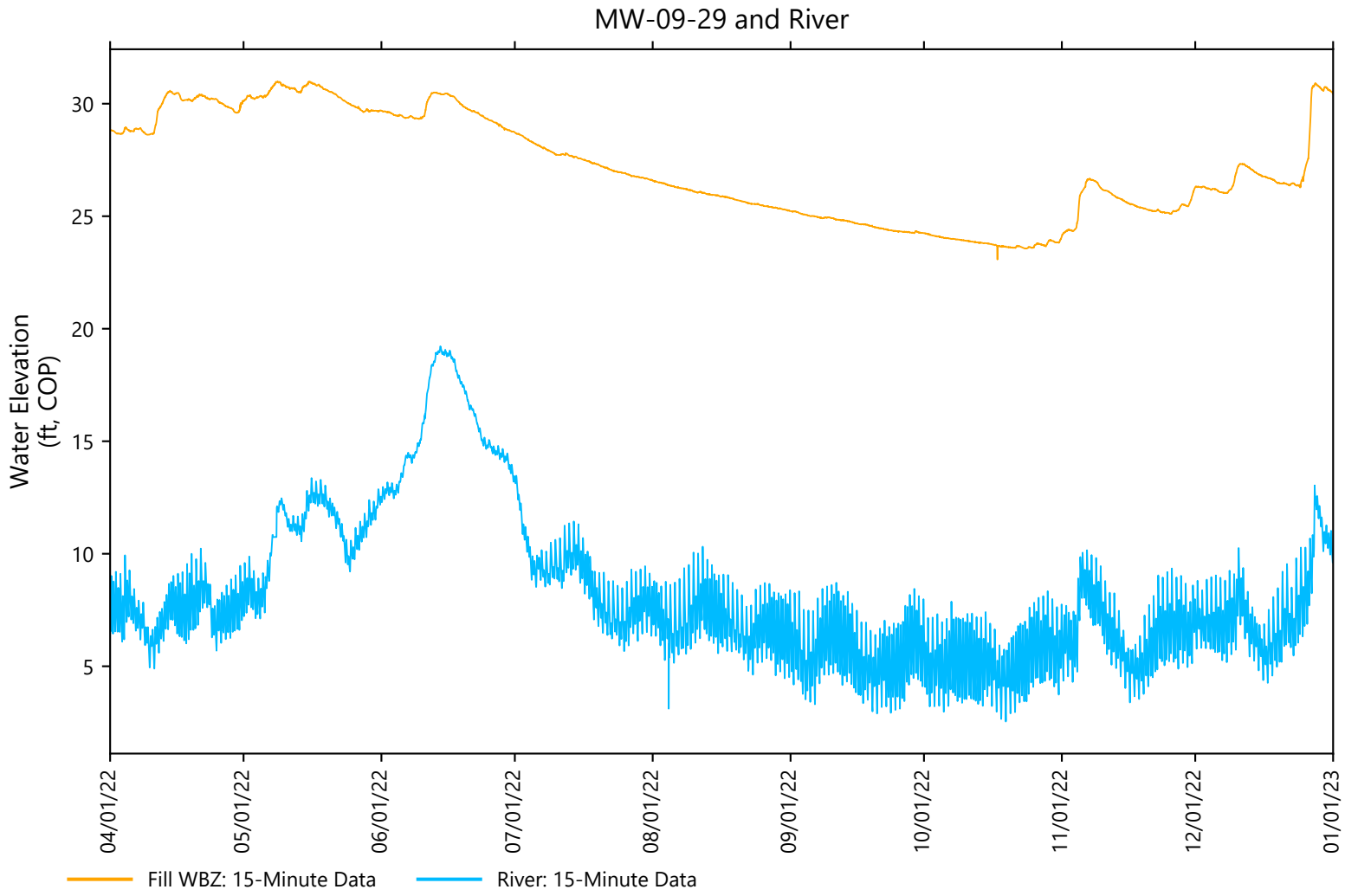
Figure C-24
Groundwater Elevations – MW-08-29 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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ANCHOR QEA

Figure C-25
Groundwater Elevations – MW-09-29 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site

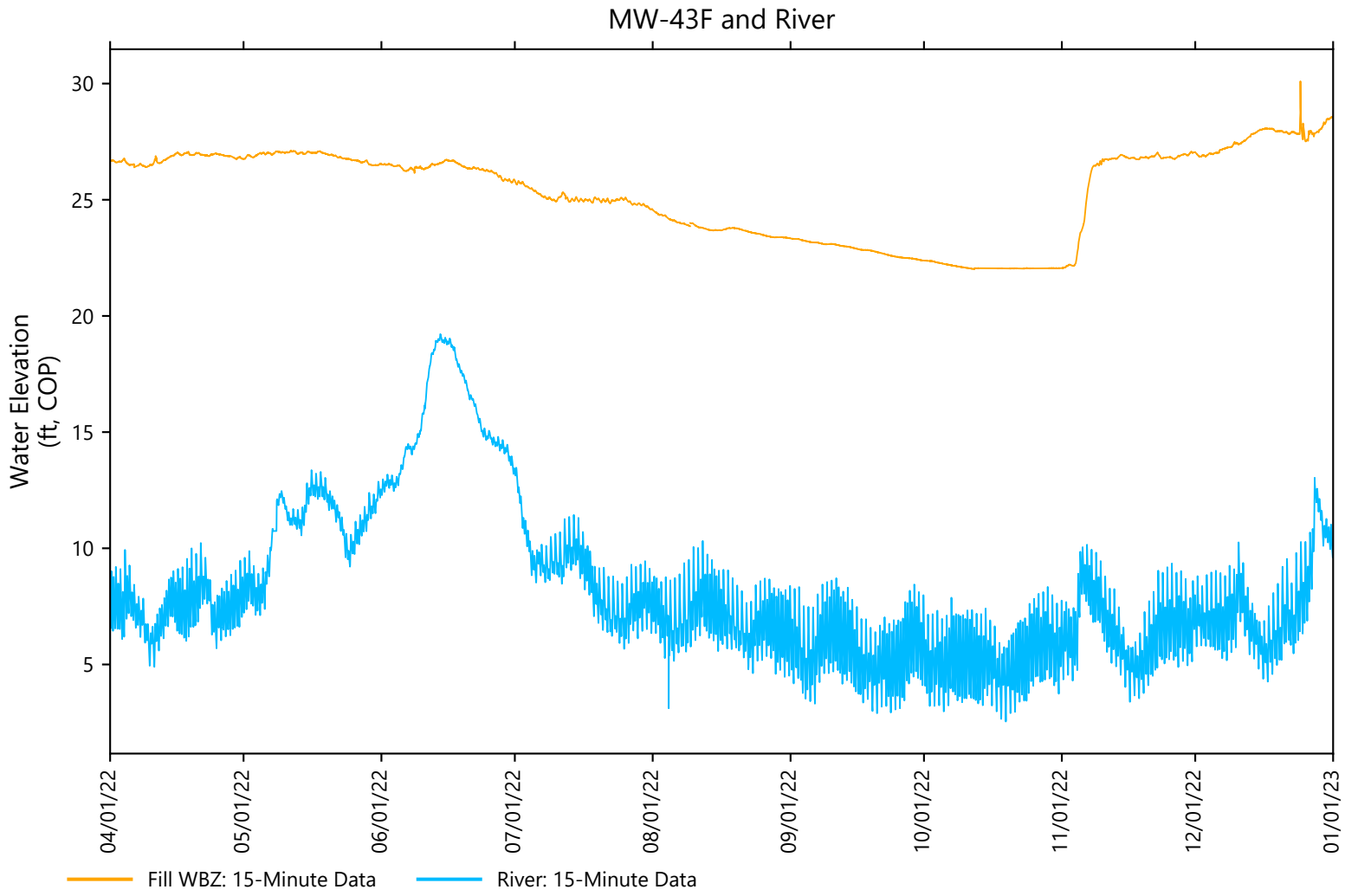

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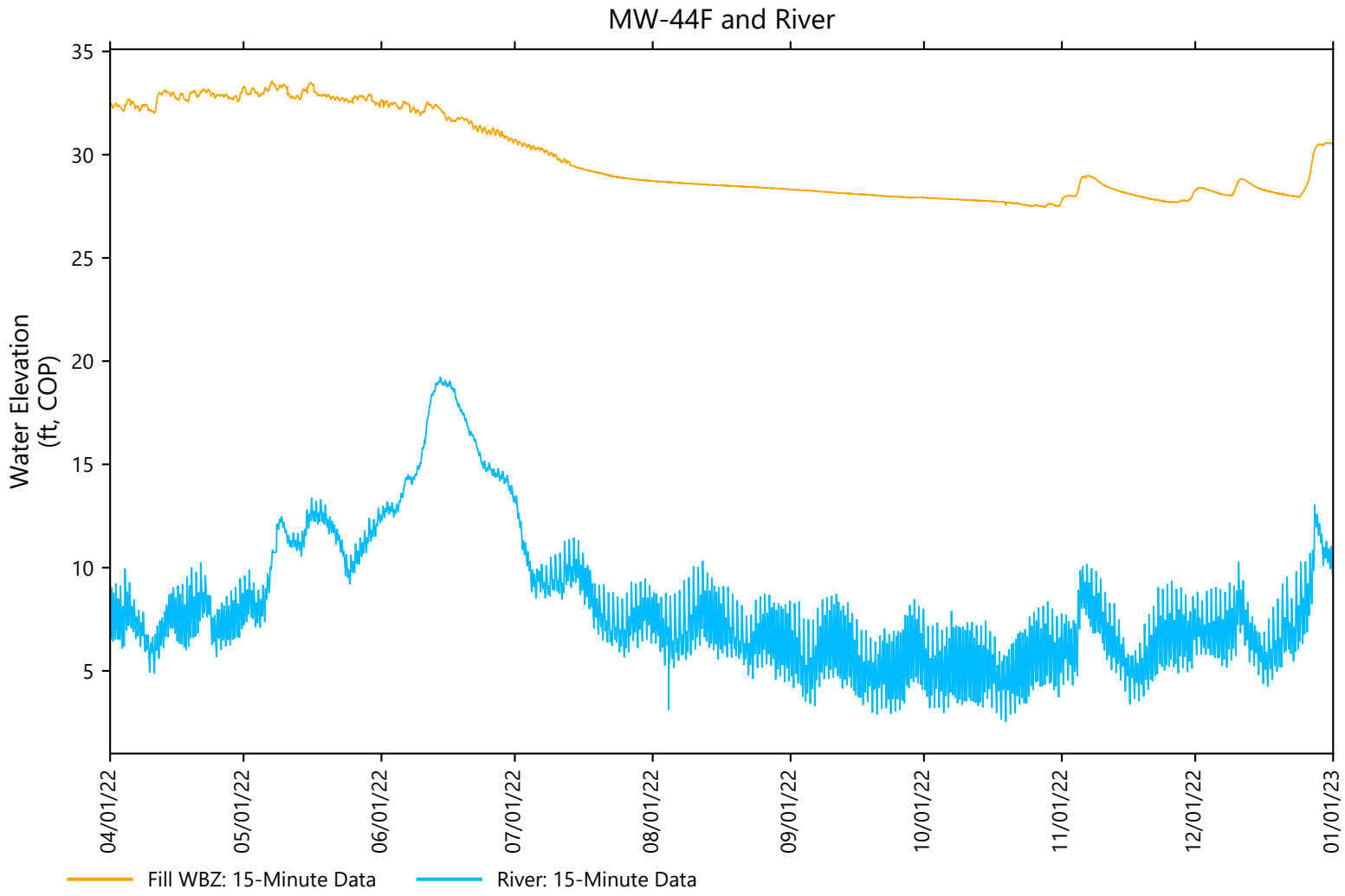
Figure C-26
Groundwater Elevations – MW-43F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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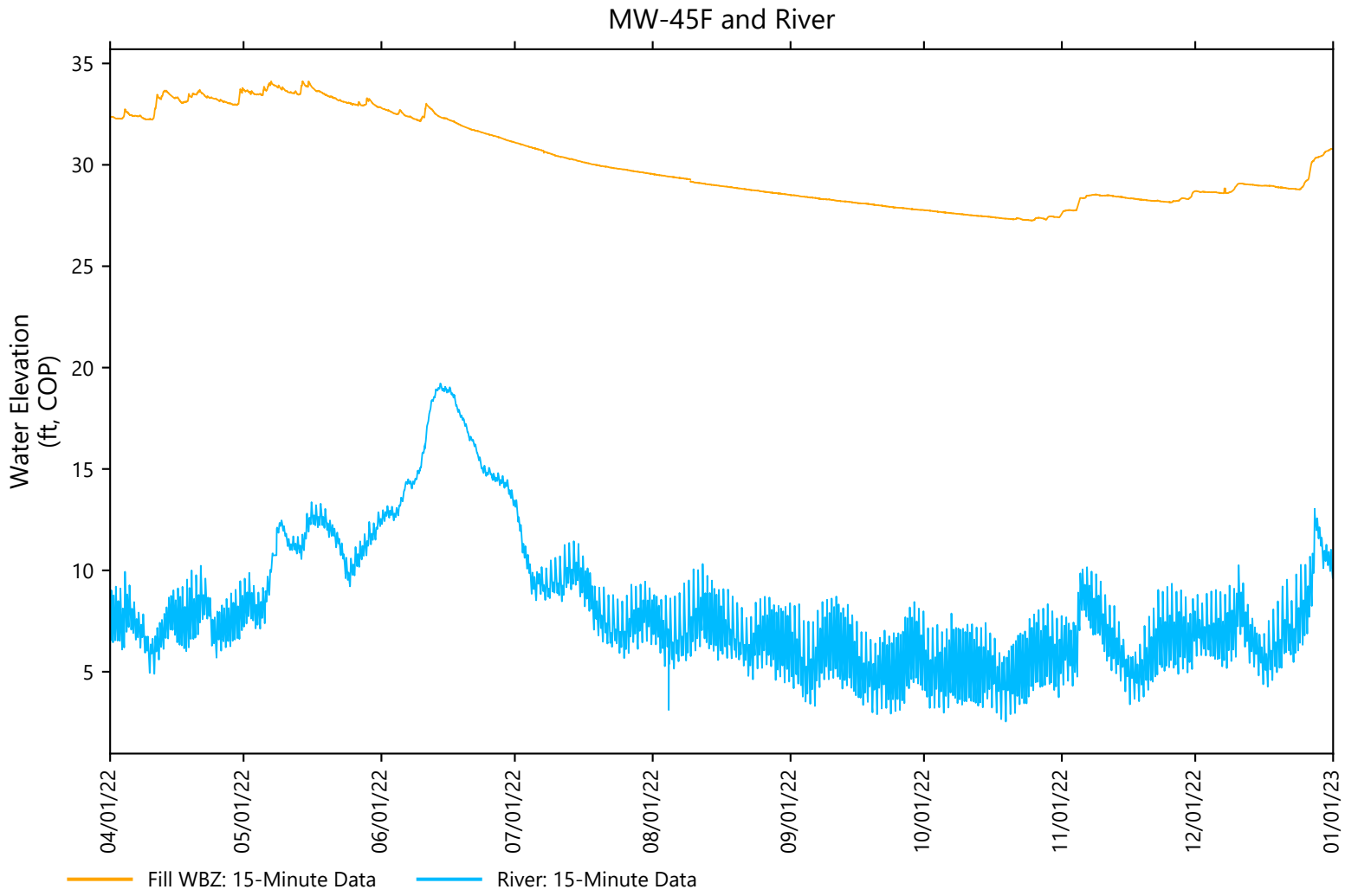
ANCHOR QEA

Figure C-27
Groundwater Elevations – MW-44F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



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COP: City of Portland datum
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WBZ: water-bearing zone

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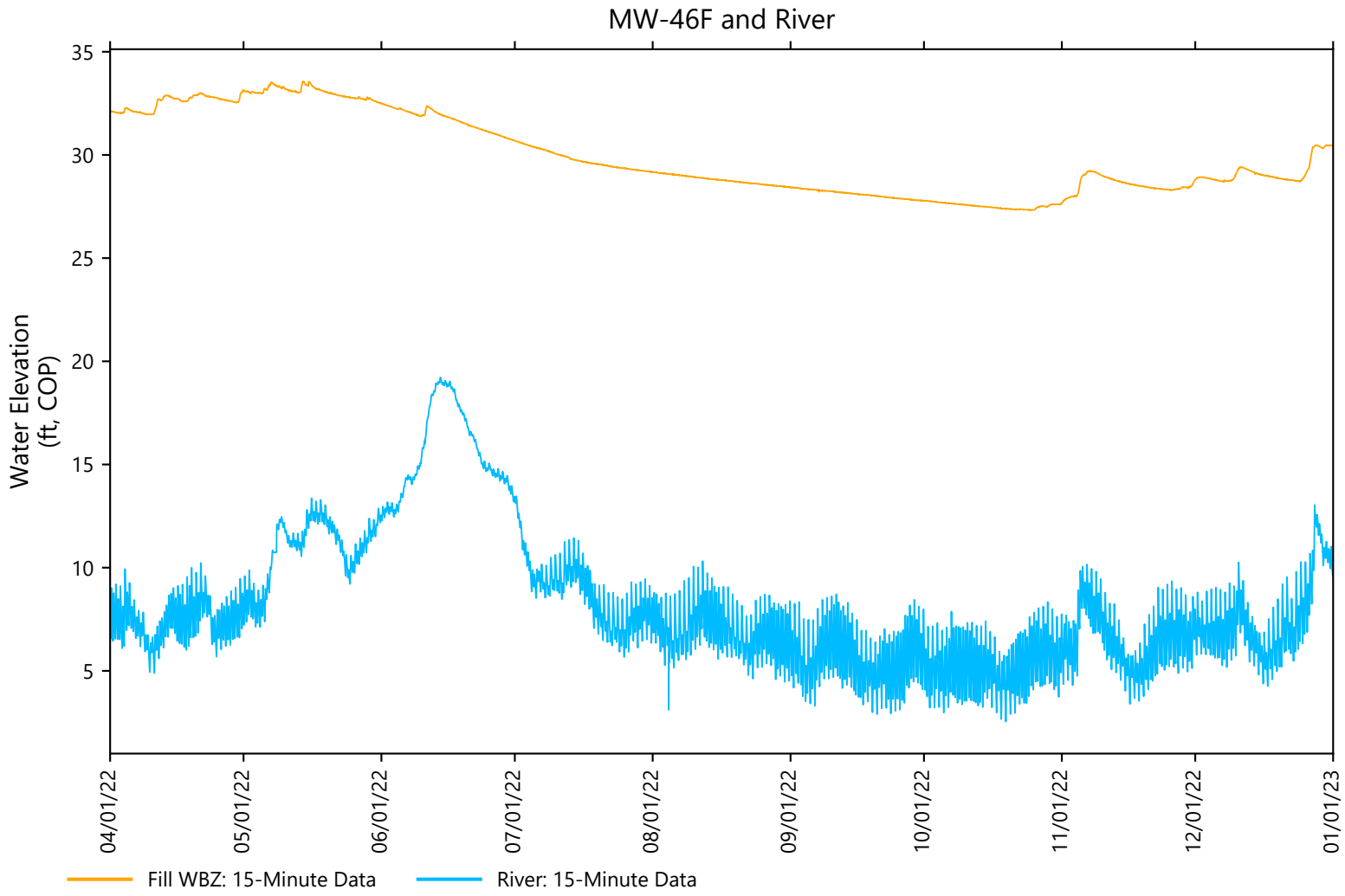
ANCHOR QEA

Figure C-28
Groundwater Elevations – MW-45F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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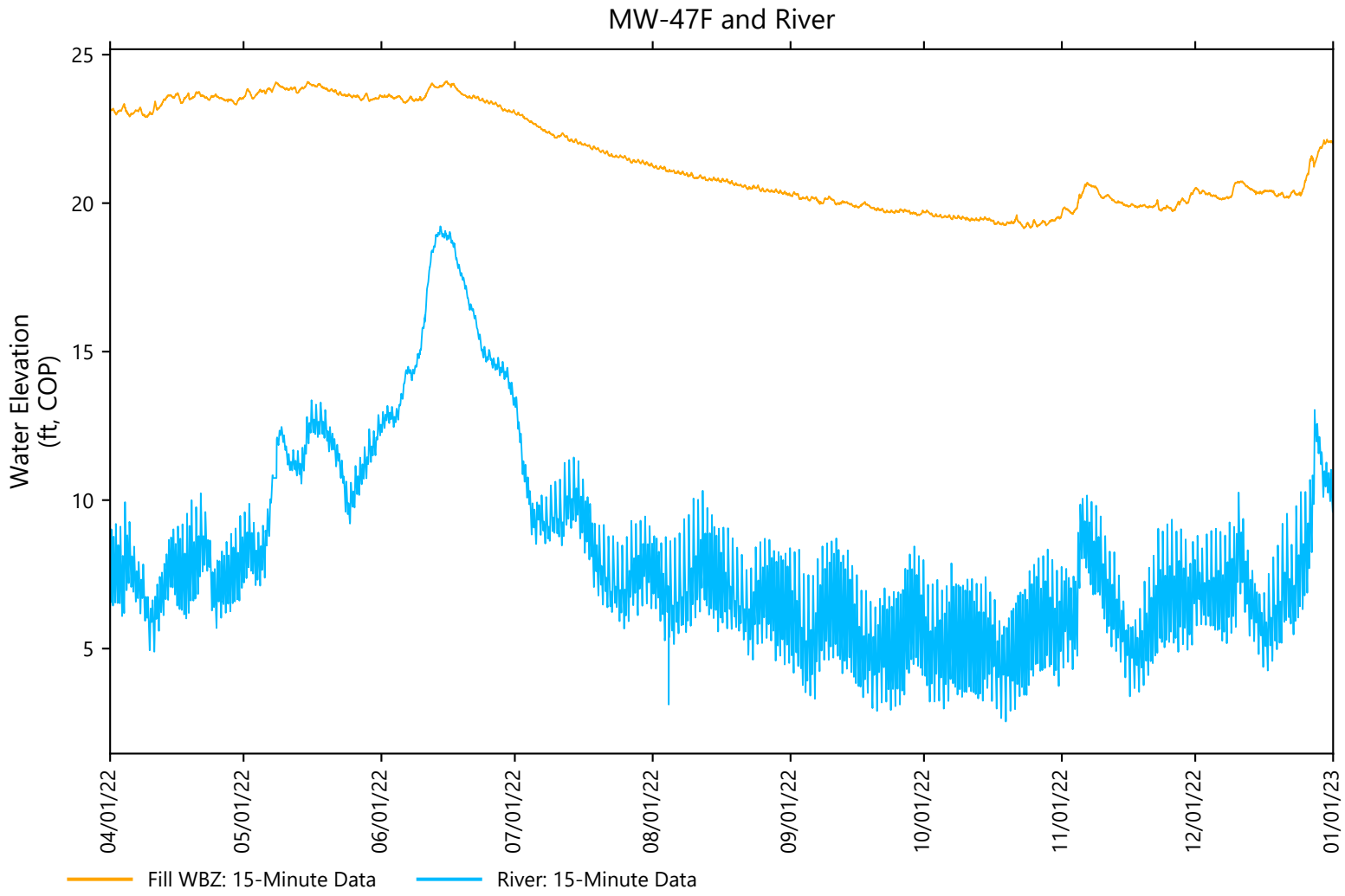
ANCHOR QEA

Figure C-29
Groundwater Elevations – MW-46F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



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COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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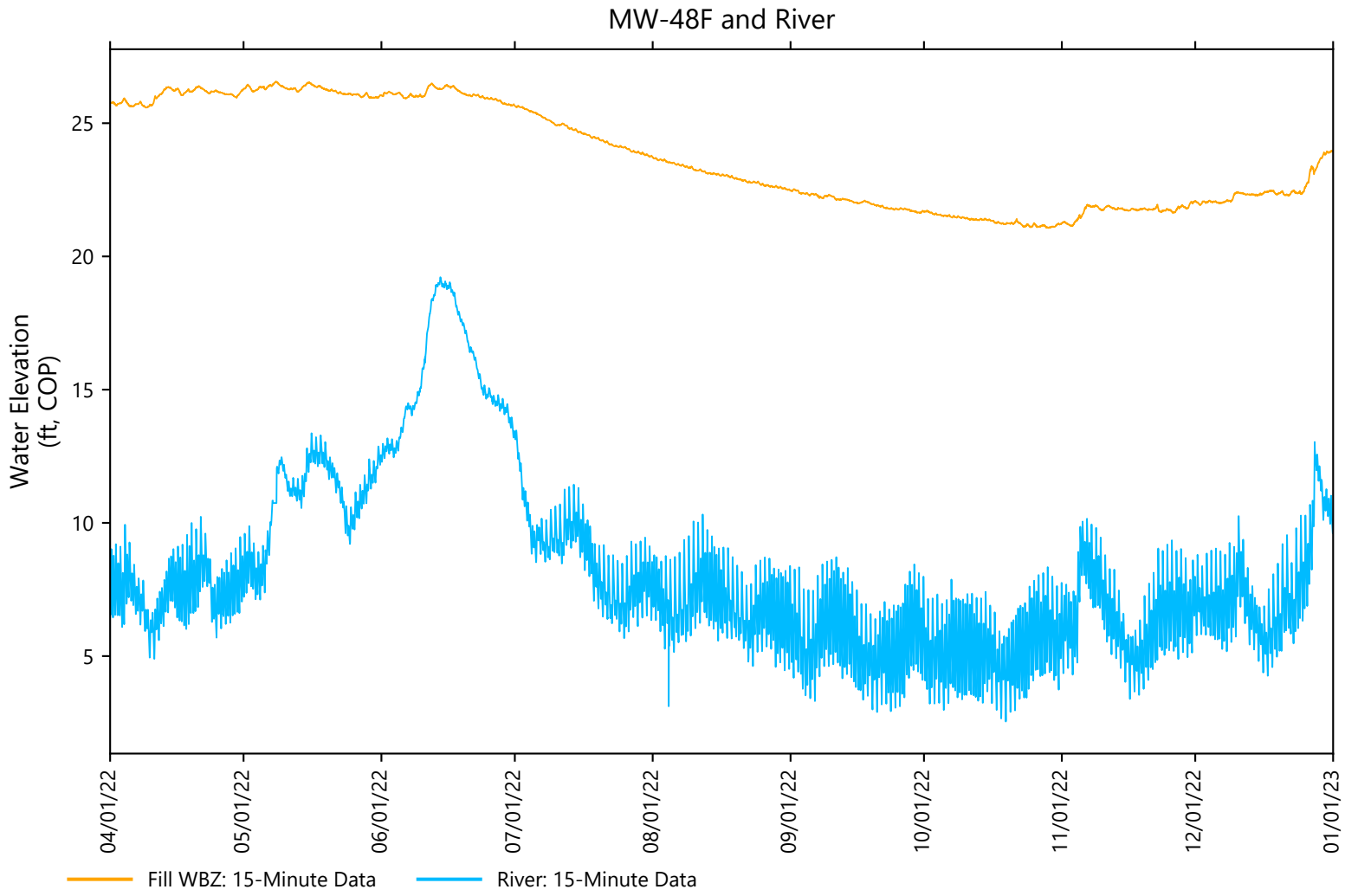
ANCHOR QEA

Figure C-30
Groundwater Elevations – MW-47F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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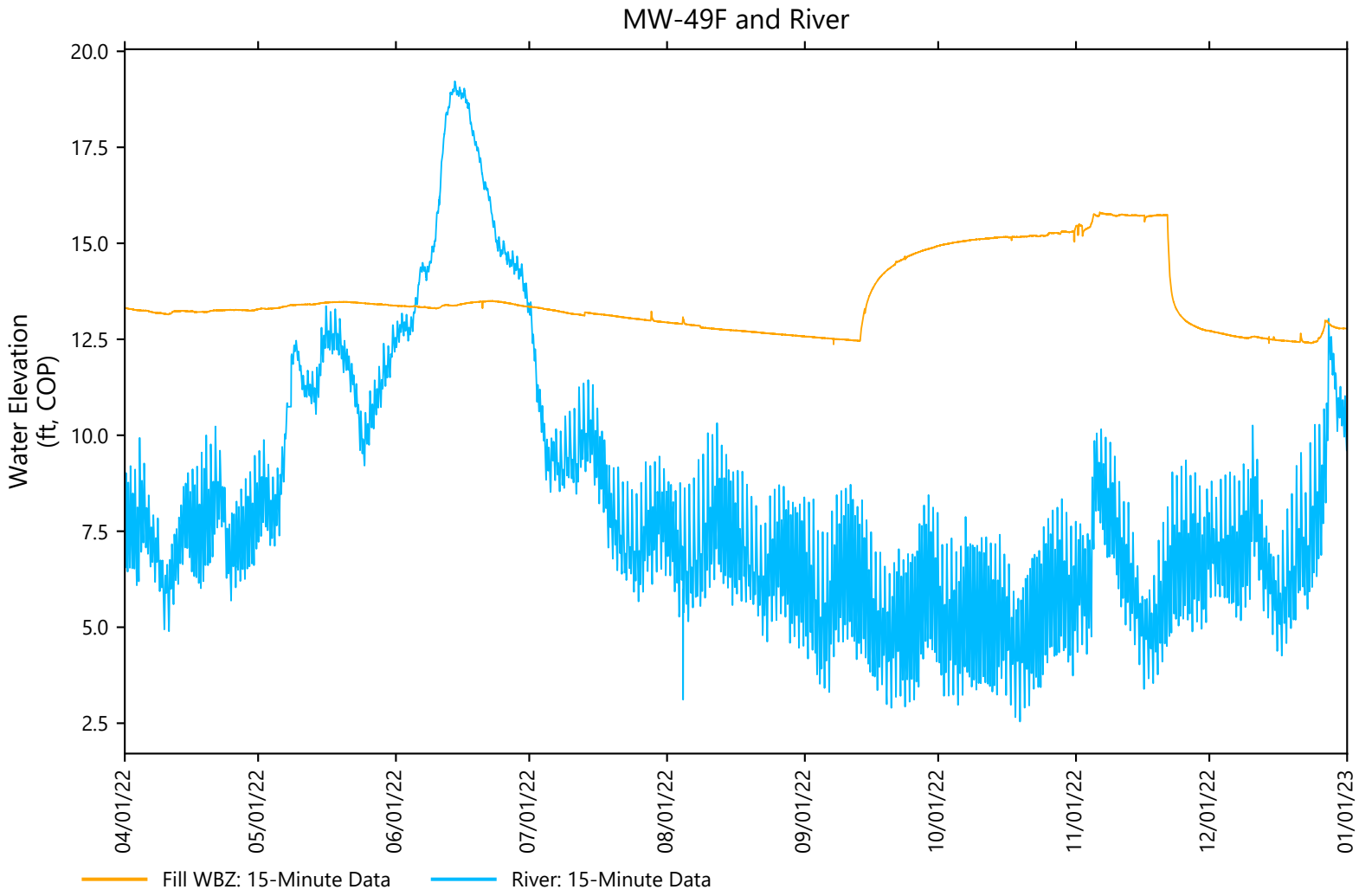
Figure C-31
Groundwater Elevations – MW-48F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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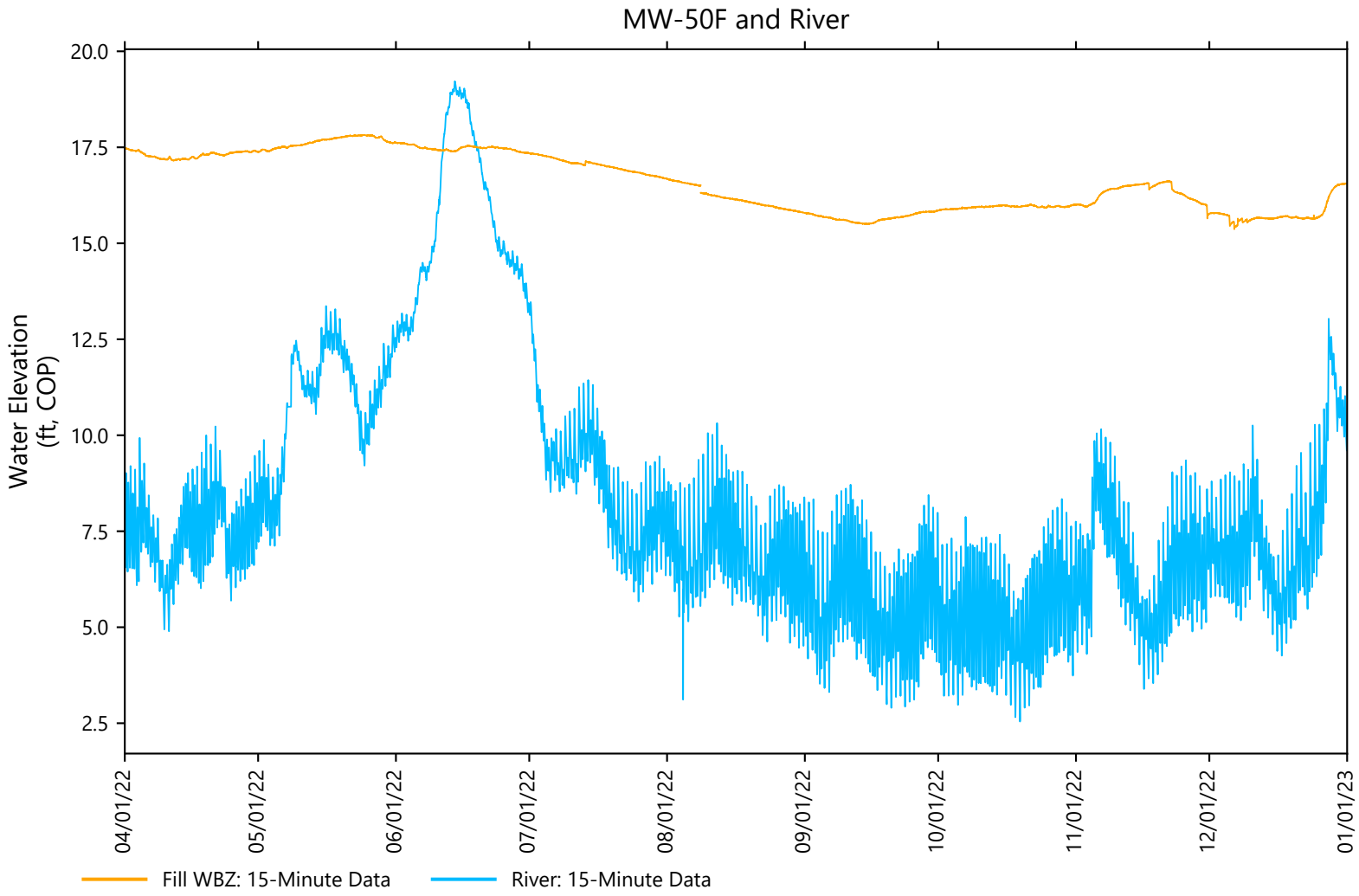
ANCHOR QEA

Figure C-32
Groundwater Elevations – MW-49F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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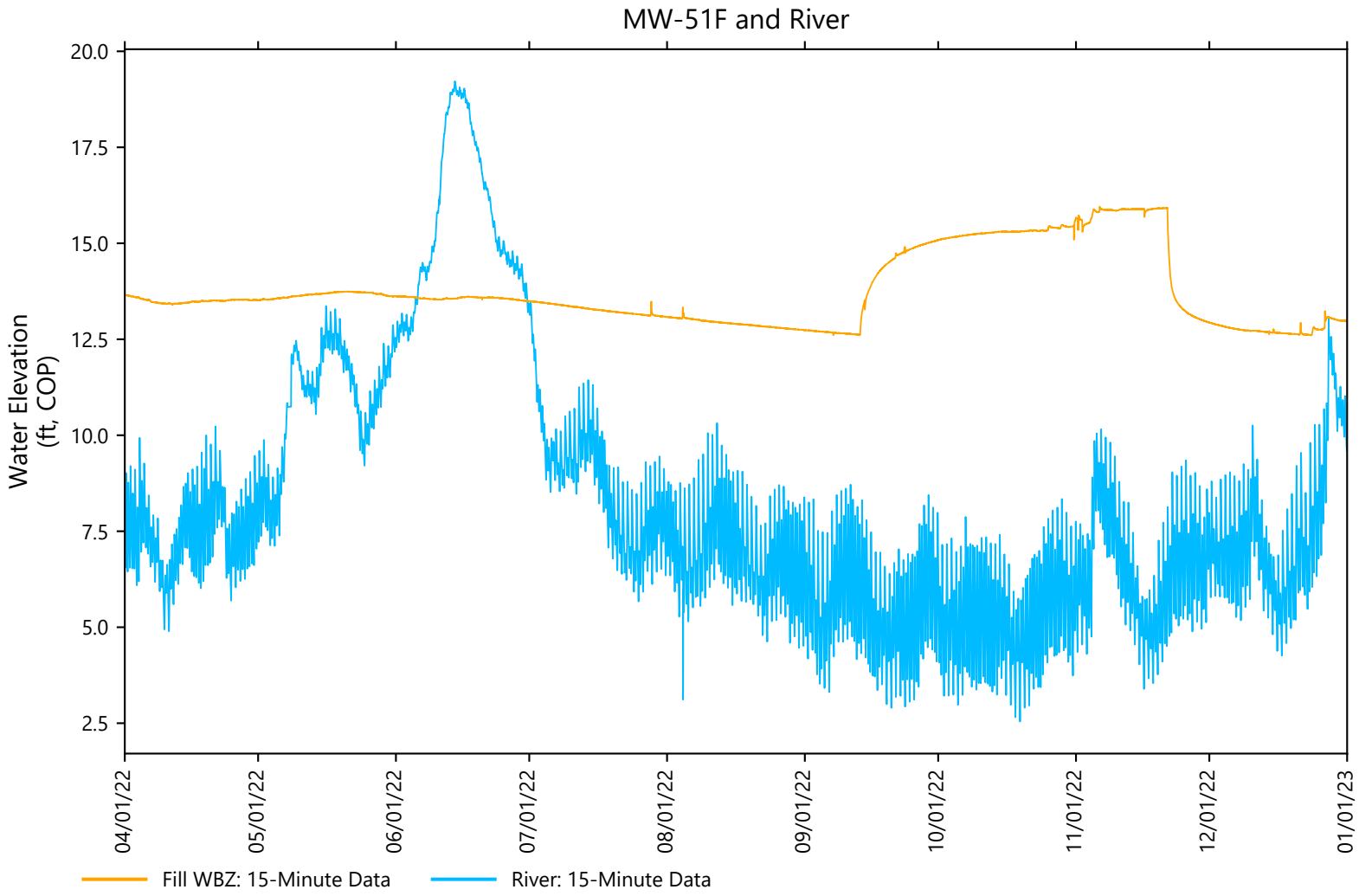
ANCHOR QEA

Figure C-33
Groundwater Elevations – MW-50F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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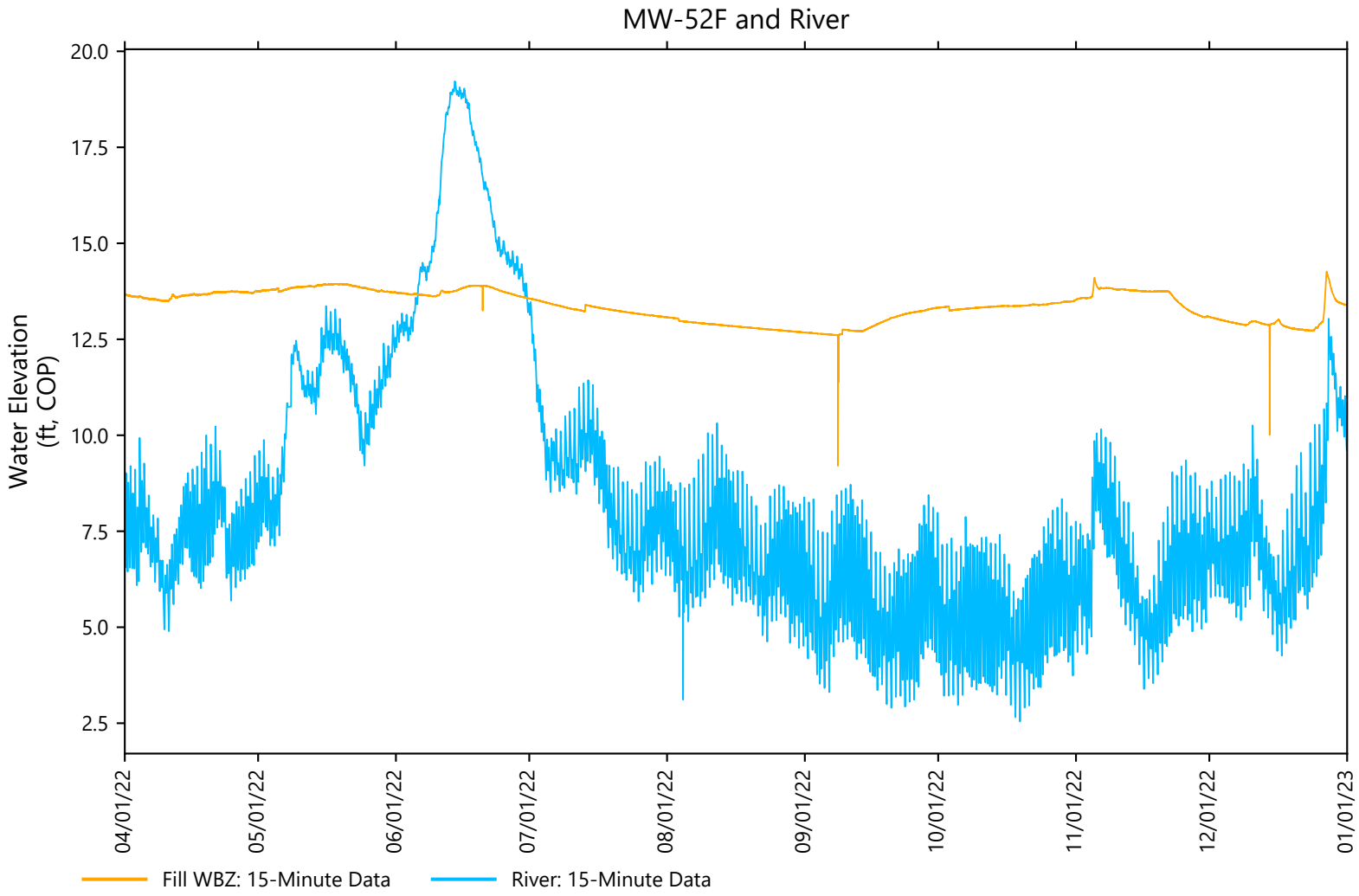
ANCHOR QEA

Figure C-34
Groundwater Elevations – MW-51F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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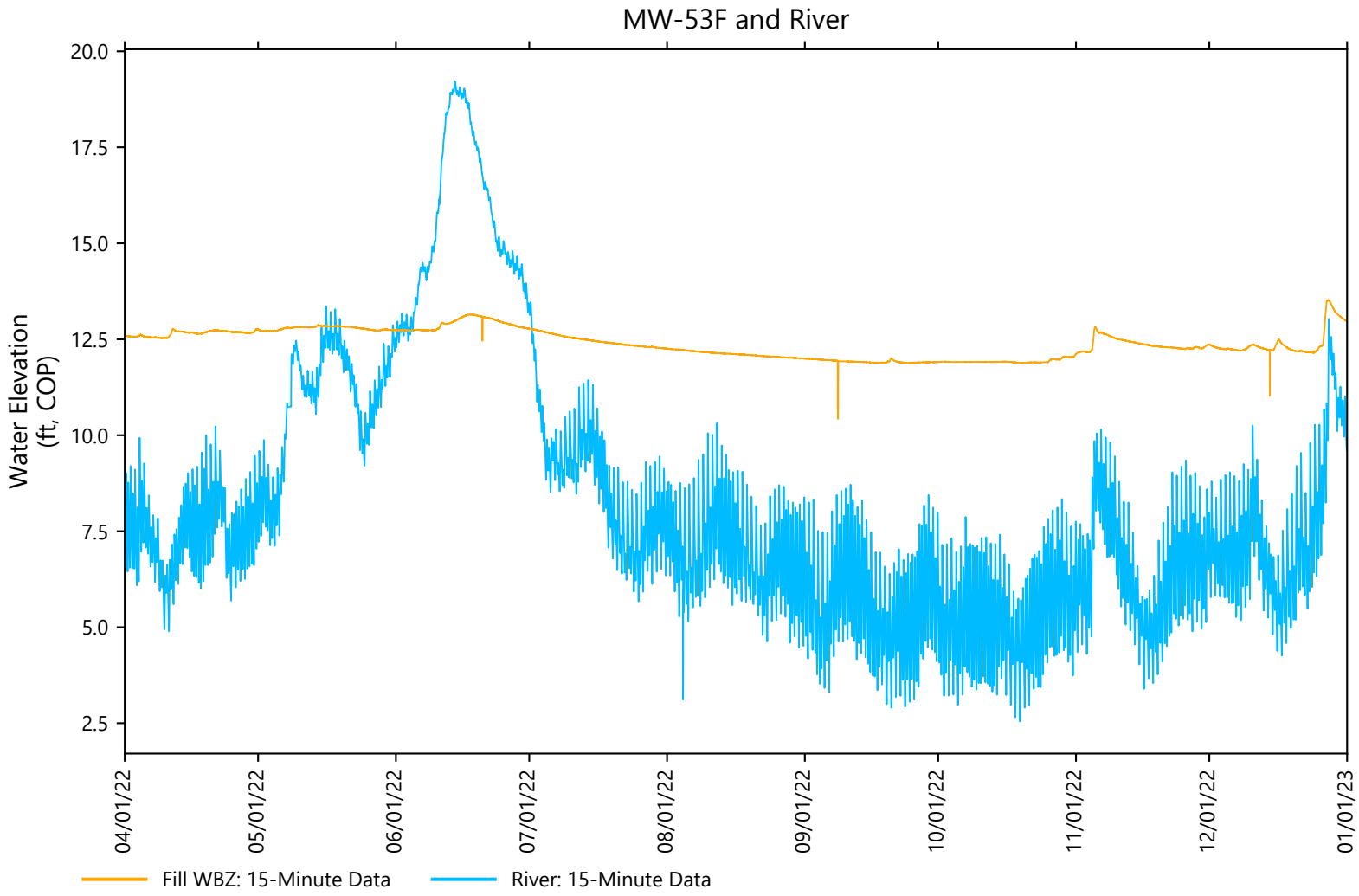
ANCHOR QEA

Figure C-35
Groundwater Elevations – MW-52F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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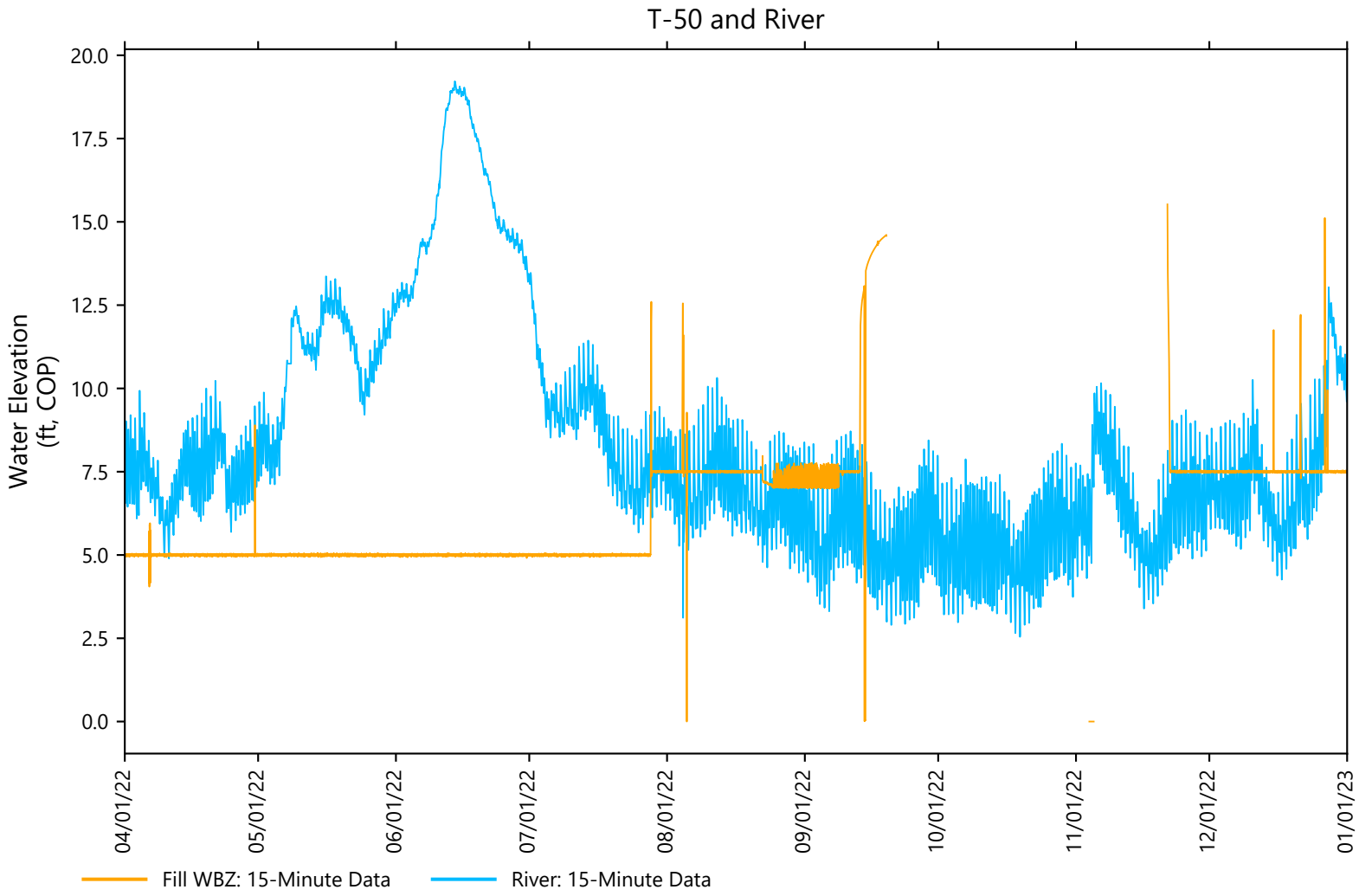
ANCHOR QEA

Figure C-36
Groundwater Elevations – MW-53F and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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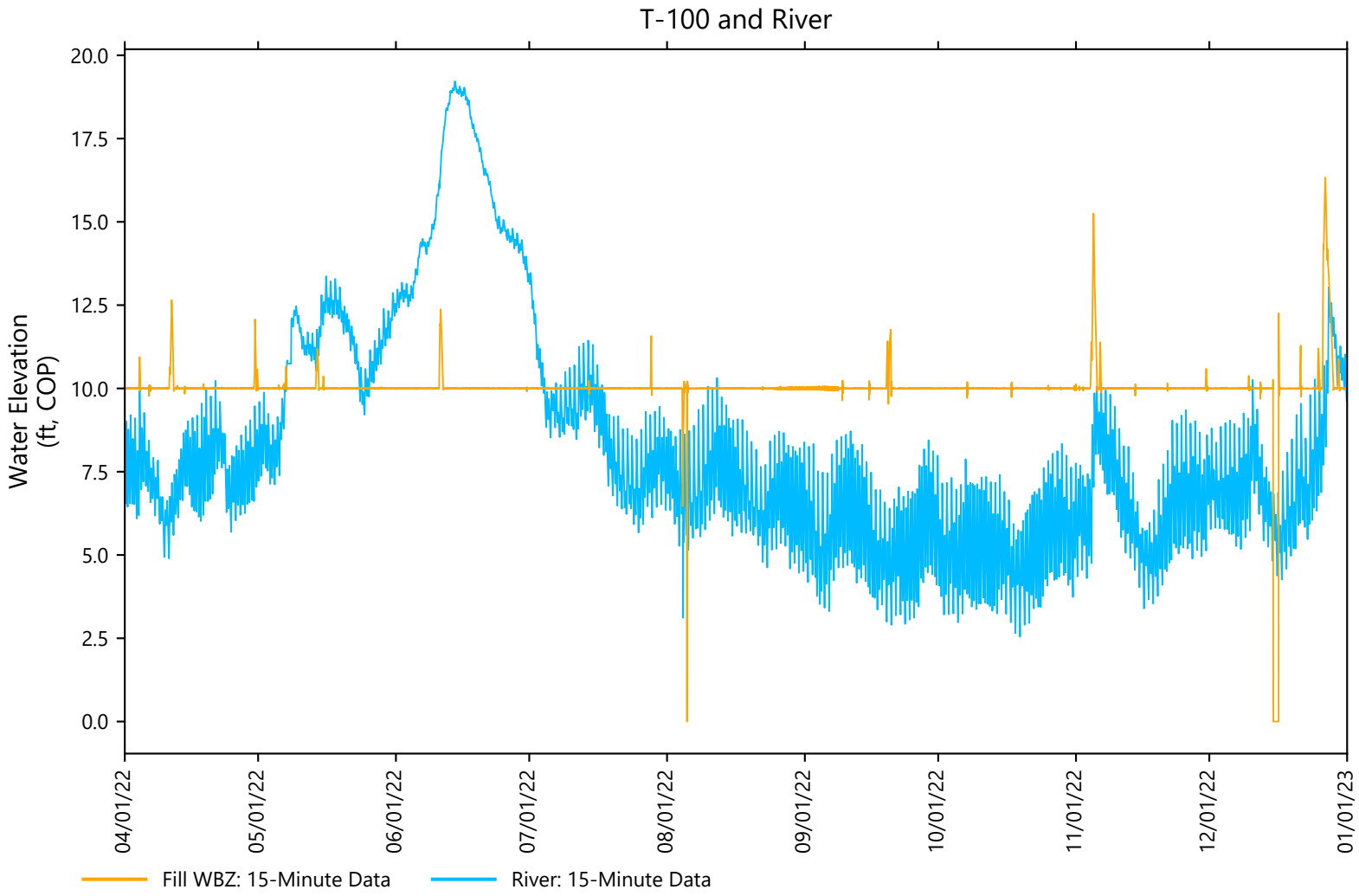
ANCHOR QEA

Figure C-37
Groundwater Elevations – T-50 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site



Notes:
COP: City of Portland datum
ft: feet
WBZ: water-bearing zone

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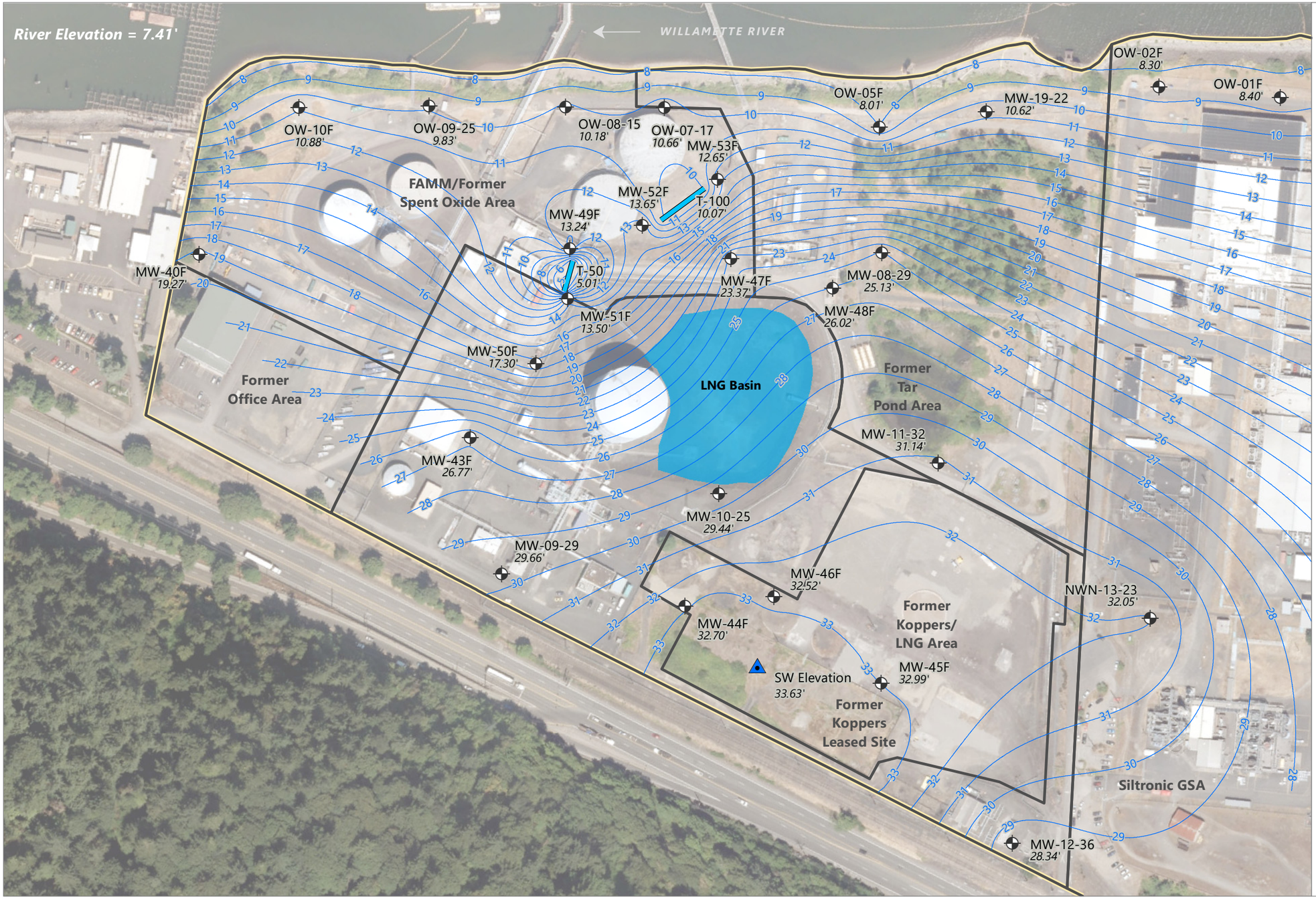
ANCHOR QEA

Figure C-38
Groundwater Elevations – T-100 and River
LNG Basin and Former Koppers Basin Groundwater Evaluation – Second Through Fourth Quarter 2022
NW Natural Gasco Site

Attachment D
Fill WBZ Potentiometric Surface Maps (Monthly Average)



LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- Surface Water Elevation
- Groundwater Elevation Contour Lines (1-foot interval)
- Approximate Area where Fill WBZ Potentiometric Surface Elevation Exceeds Elevation of LNG Basin Liner
- LNG Basin Interceptor Trench Location and Average Groundwater Elevation (feet COP)
- Approximate Gasco OU Boundary
- Geographic Subareas

NOTES:

1. Groundwater elevation is reported in reference to City of Portland datum (COP) in units of feet.
2. Averaged groundwater elevation contours were created using ordinary kriging interpolation method in ArcGIS software.
3. The bottom elevation of the LNG basin liner is approximately 21 feet COP.
4. The side slopes of the LNG basin liner slope from an elevation of approximately 21 feet COP to approximately 35 feet COP.
5. For purposes of contouring in Koppers Basin Area, when standing water was present, the elevation of standing water was applied at the perimeter of the Koppers Basin.
6. Two LNG Basin intercept trenches measuring 50 feet and 100 feet in length were constructed in November 2020 and became operational in March 2021.
7. Arrow indicates direction of flow of river.

0 300
Feet

Publish Date: 2023/05/01, 1:56 PM | User: cgardner
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ANCHOR QEA

Figure D-1
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for April 2022
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site

LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- Surface Water Elevation
- Groundwater Elevation Contour Lines (1-foot interval)
- Approximate Area where Fill WBZ Potentiometric Surface Elevation Exceeds Elevation of LNG Basin Liner
- LNG Basin Interceptor Trench Location and Average Groundwater Elevation (feet COP)
- Approximate Gasco OU Boundary
- Geographic Subareas

NOTES:

1. Groundwater elevation is reported in reference to City of Portland datum (COP) in units of feet.
2. Averaged groundwater elevation contours were created using ordinary kriging interpolation method in ArcGIS software.
3. The bottom elevation of the LNG basin liner is approximately 21 feet COP.
4. The side slopes of the LNG basin liner slope from an elevation of approximately 21 feet COP to approximately 35 feet COP.
5. For purposes of contouring in Koppers Basin Area, when standing water was present, the elevation of standing water was applied at the perimeter of the Koppers Basin.
6. Two LNG Basin intercept trenches measuring 50 feet and 100 feet in length were constructed in November 2020 and became operational in March 2021.
7. Arrow indicates direction of flow of river.

0 300
Feet

Publish Date: 2023/05/01, 1:53 PM | User: cgardner
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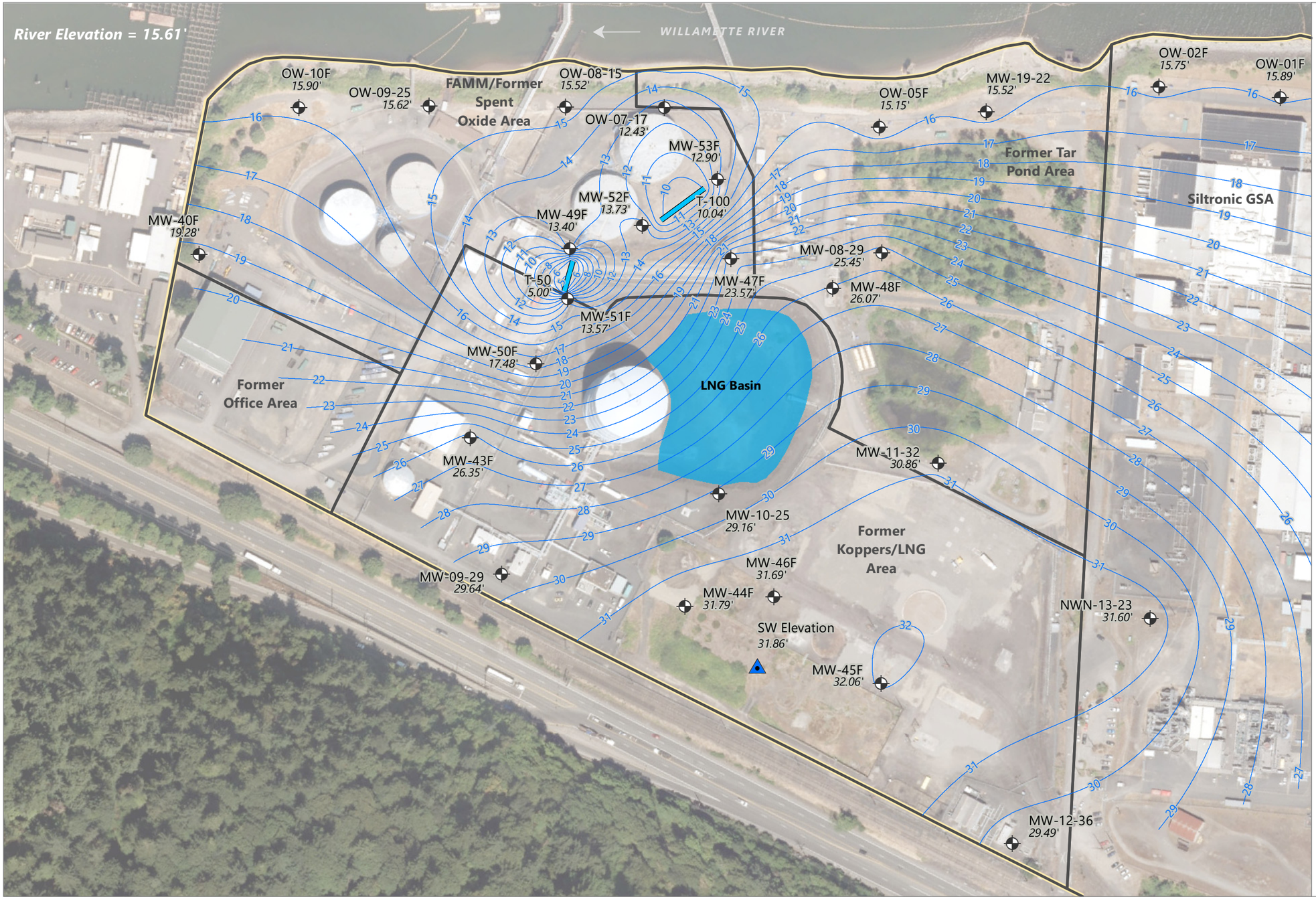
ANCHOR QEA

Figure D-2
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for May 2022
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site



LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- Surface Water Elevation
- Groundwater Elevation Contour Lines (1-foot interval)
- Approximate Area where Fill WBZ Potentiometric Surface Elevation Exceeds Elevation of LNG Basin Liner
- LNG Basin Interceptor Trench Location and Average Groundwater Elevation (feet COP)
- Approximate Gasco OU Boundary
- Geographic Subareas

NOTES:

1. Groundwater elevation is reported in reference to City of Portland datum (COP) in units of feet.
2. Averaged groundwater elevation contours were created using ordinary kriging interpolation method in ArcGIS software.
3. The bottom elevation of the LNG basin liner is approximately 21 feet COP.
4. The side slopes of the LNG basin liner slope from an elevation of approximately 21 feet COP to approximately 35 feet COP.
5. For purposes of contouring in Koppers Basin Area, when standing water was present, the elevation of standing water was applied at the perimeter of the Koppers Basin.
6. Two LNG Basin intercept trenches measuring 50 feet and 100 feet in length were constructed in November 2020 and became operational in March 2021.
7. Arrow indicates direction of flow of river.

0 300
Feet

Publish Date: 2023/05/01, 1:59 PM | User: cgardner
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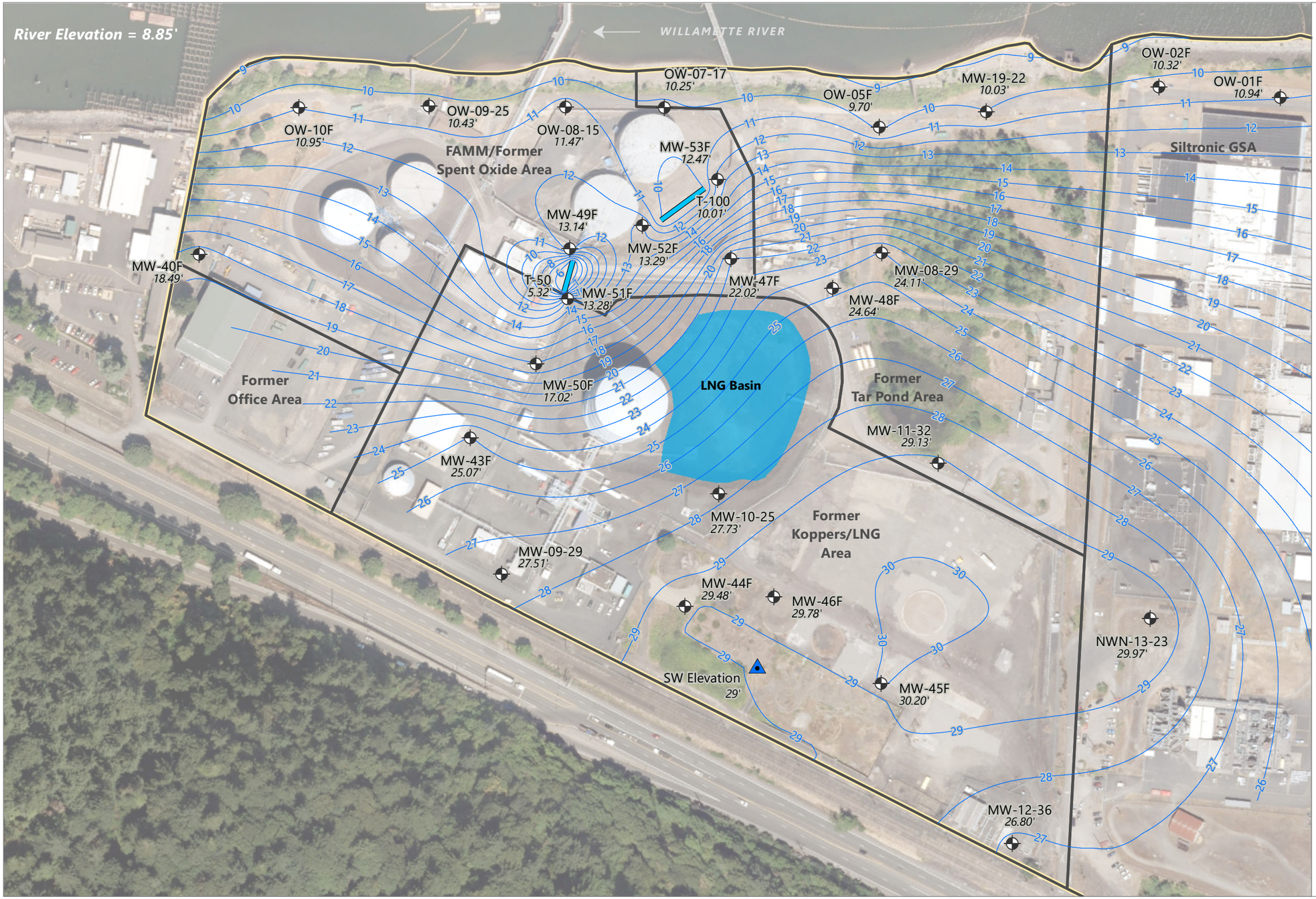
ANCHOR QEA

Figure D-3
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for June 2022
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site



LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- Surface Water Elevation
- Groundwater Elevation Contour Lines (1-foot interval)
- Approximate Area where Fill WBZ Potentiometric Surface Elevation Exceeds Elevation of LNG Basin Liner
- LNG Basin Interceptor Trench Location and Average Groundwater Elevation (feet COP)
- Approximate Gasco OU Boundary
- Geographic Subareas

NOTES:

1. Groundwater elevation is reported in reference to City of Portland datum (COP) in units of feet.
2. Averaged groundwater elevation contours were created using ordinary kriging interpolation method in ArcGIS software.
3. The bottom elevation of the LNG basin liner is approximately 21 feet COP.
4. The side slopes of the LNG basin liner slope from an elevation of approximately 21 feet COP to approximately 35 feet COP.
5. For purposes of contouring in Koppers Basin Area, when standing water was present, the elevation of standing water was applied at the perimeter of the Koppers Basin.
6. Two LNG Basin intercept trenches measuring 50 feet and 100 feet in length were constructed in November 2020 and became operational in March 2021.
7. Arrow indicates direction of flow of river.

0 300
Feet

Publish Date: 2023/05/01, 2:36 PM | User: cgardner
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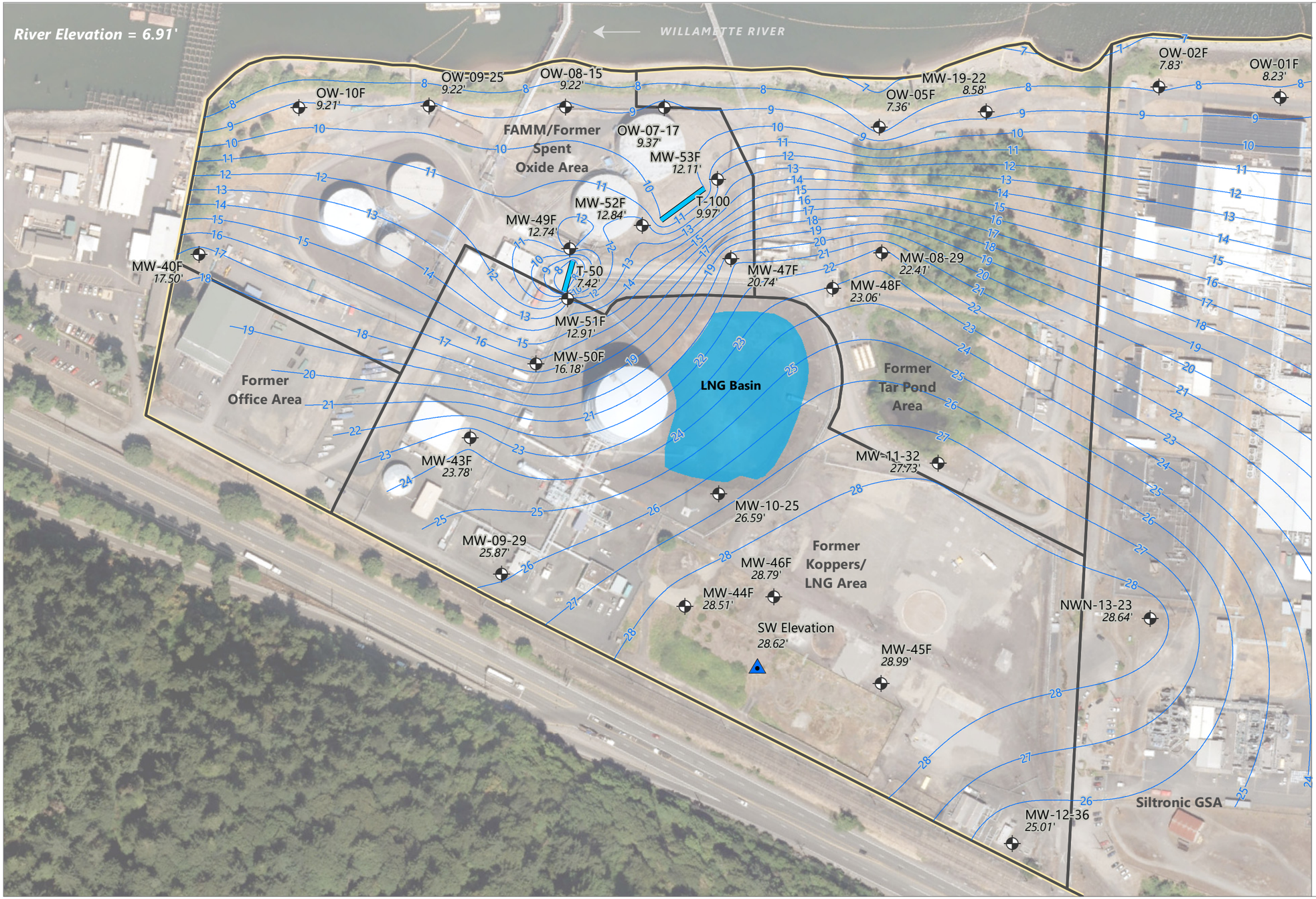
ANCHOR QEA

Figure D-4
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for July 2022
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site



LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- Surface Water Elevation
- Groundwater Elevation Contour Lines (1-foot interval)
- Approximate Area where Fill WBZ Potentiometric Surface Elevation Exceeds Elevation of LNG Basin Liner
- LNG Basin Interceptor Trench Location and Average Groundwater Elevation (feet COP)
- Approximate Gasco OU Boundary
- Geographic Subareas

NOTES:

1. Groundwater elevation is reported in reference to City of Portland datum (COP) in units of feet.
2. Averaged groundwater elevation contours were created using ordinary kriging interpolation method in ArcGIS software.
3. The bottom elevation of the LNG basin liner is approximately 21 feet COP.
4. The side slopes of the LNG basin liner slope from an elevation of approximately 21 feet COP to approximately 35 feet COP.
5. For purposes of contouring in Koppers Basin Area, when standing water was present, the elevation of standing water was applied at the perimeter of the Koppers Basin.
6. Two LNG Basin intercept trenches measuring 50 feet and 100 feet in length were constructed in November 2020 and became operational in March 2021.
7. Arrow indicates direction of flow of river.

0 300
Feet

Publish Date: 2023/05/01, 2:40 PM | User: cgardner
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ANCHOR QEA

Figure D-5
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for August 2022
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site

LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- Surface Water Elevation
- Groundwater Elevation Contour Lines (1-foot interval)
- Approximate Area where Fill WBZ Potentiometric Surface Elevation Exceeds Elevation of LNG Basin Liner
- LNG Basin Interceptor Trench Location and Average Groundwater Elevation (feet COP)
- Approximate Gasco OU Boundary
- Geographic Subareas

NOTES:

1. Groundwater elevation is reported in reference to City of Portland datum (COP) in units of feet.
2. Averaged groundwater elevation contours were created using ordinary kriging interpolation method in ArcGIS software.
3. The bottom elevation of the LNG basin liner is approximately 21 feet COP.
4. The side slopes of the LNG basin liner slope from an elevation of approximately 21 feet COP to approximately 35 feet COP.
5. For purposes of contouring in Koppers Basin Area, when standing water was present, the elevation of standing water was applied at the perimeter of the Koppers Basin.
6. Two LNG Basin intercept trenches measuring 50 feet and 100 feet in length were constructed in November 2020 and became operational in March 2021.
7. Arrow indicates direction of flow of river.

0 300
Feet

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Figure D-6
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for September 2022
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site

LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- Surface Water Elevation
- Groundwater Elevation Contour Lines (1-foot interval)
- Approximate Area where Fill WBZ Potentiometric Surface Elevation Exceeds Elevation of LNG Basin Liner
- LNG Basin Interceptor Trench Location and Average Groundwater Elevation (feet COP)
- Approximate Gasco OU Boundary
- Geographic Subareas

NOTES:

1. Groundwater elevation is reported in reference to City of Portland datum (COP) in units of feet.
2. Averaged groundwater elevation contours were created using ordinary kriging interpolation method in ArcGIS software.
3. The bottom elevation of the LNG basin liner is approximately 21 feet COP.
4. The side slopes of the LNG basin liner slope from an elevation of approximately 21 feet COP to approximately 35 feet COP.
5. For purposes of contouring in Koppers Basin Area, when standing water was present, the elevation of standing water was applied at the perimeter of the Koppers Basin.
6. Two LNG Basin intercept trenches measuring 50 feet and 100 feet in length were constructed in November 2020 and became operational in March 2021.
7. NM = Not measured. Water elevations were not measured for the 50-foot trench (T-50) during this monitoring period because it was undergoing maintenance and was not pumping.
8. Arrow indicates direction of flow of river.

0 300
Feet

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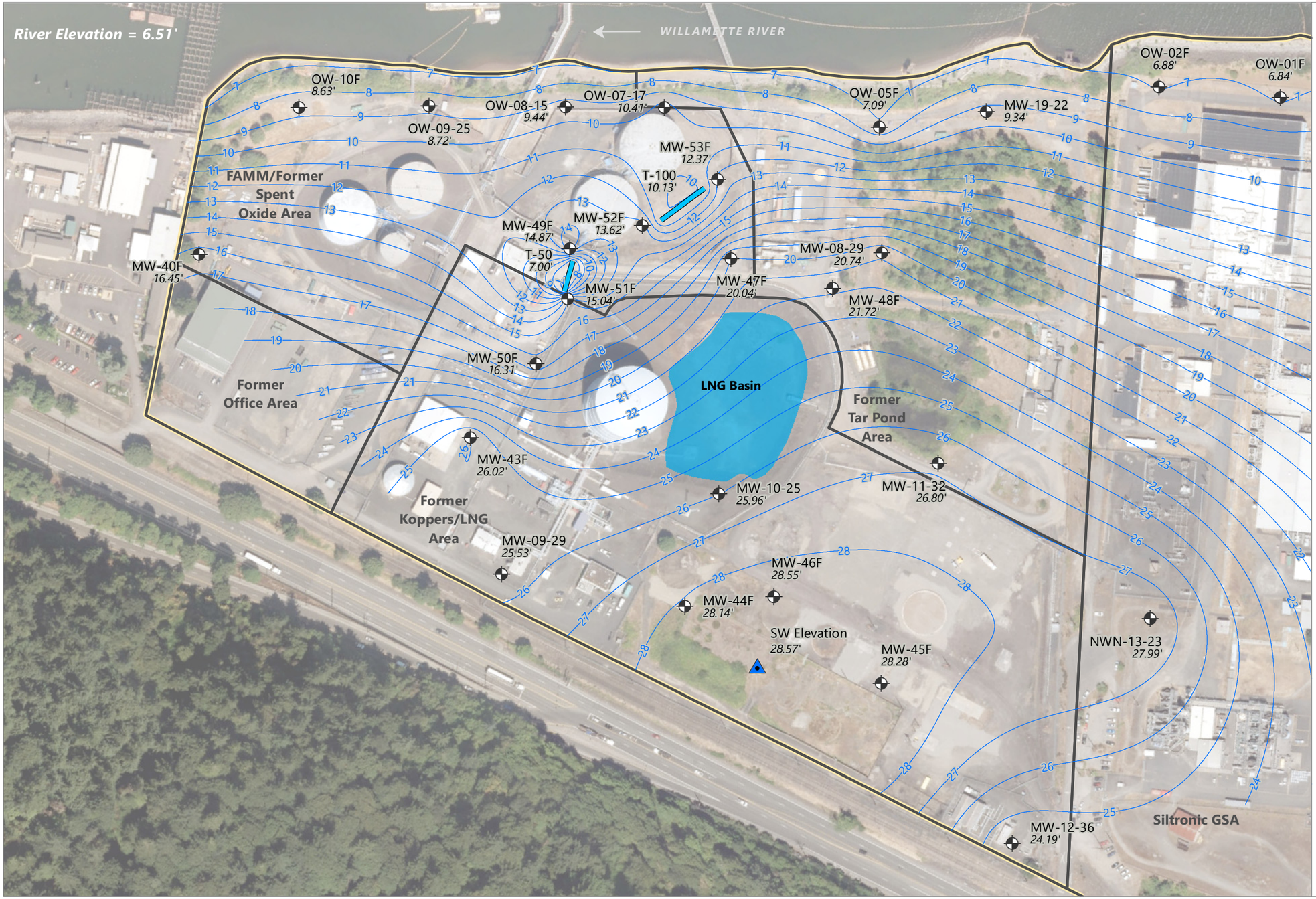
Figure D-7
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for October 2022
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site



LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- Surface Water Elevation
- Groundwater Elevation Contour Lines (1-foot interval)
- Approximate Area where Fill WBZ Potentiometric Surface Elevation Exceeds Elevation of LNG Basin Liner
- LNG Basin Interceptor Trench Location and Average Groundwater Elevation (feet COP)
- Approximate Gasco OU Boundary
- Geographic Subareas

NOTES:

1. Groundwater elevation is reported in reference to City of Portland datum (COP) in units of feet.
2. Averaged groundwater elevation contours were created using ordinary kriging interpolation method in ArcGIS software.
3. The bottom elevation of the LNG basin liner is approximately 21 feet COP.
4. The side slopes of the LNG basin liner slope from an elevation of approximately 21 feet COP to approximately 35 feet COP.
5. For purposes of contouring in Koppers Basin Area, when standing water was present, the elevation of standing water was applied at the perimeter of the Koppers Basin.
6. Two LNG Basin intercept trenches measuring 50 feet and 100 feet in length were constructed in November 2020 and became operational in March 2021.
7. Arrow indicates direction of flow of river.

0 300
Feet

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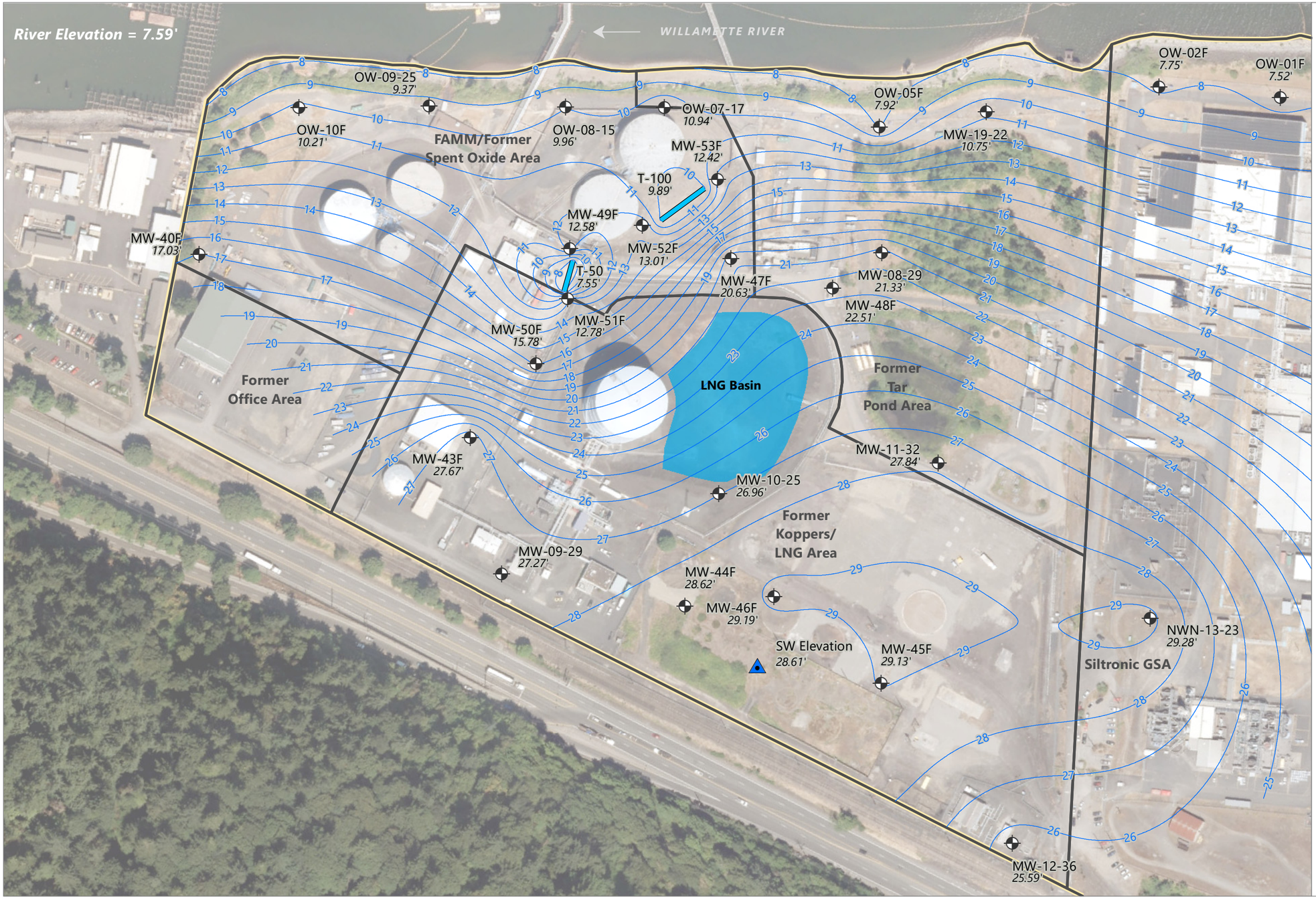
Figure D-8
Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for November 2022
LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site



LEGEND:

- Monitoring Well Location and Average Groundwater Elevation (feet COP)
- Surface Water Elevation
- Groundwater Elevation Contour Lines (1-foot interval)
- Approximate Area where Fill WBZ Potentiometric Surface Elevation Exceeds Elevation of LNG Basin Liner
- LNG Basin Interceptor Trench Location and Average Groundwater Elevation (feet COP)
- Approximate Gasco OU Boundary
- Geographic Subareas

NOTES:

1. Groundwater elevation is reported in reference to City of Portland datum (COP) in units of feet.
2. Averaged groundwater elevation contours were created using ordinary kriging interpolation method in ArcGIS software.
3. The bottom elevation of the LNG basin liner is approximately 21 feet COP.
4. The side slopes of the LNG basin liner slope from an elevation of approximately 21 feet COP to approximately 35 feet COP.
5. For purposes of contouring in Koppers Basin Area, when standing water was present, the elevation of standing water was applied at the perimeter of the Koppers Basin.
6. Two LNG Basin intercept trenches measuring 50 feet and 100 feet in length were constructed in November 2020 and became operational in March 2021.
7. Arrow indicates direction of flow of river.

0 300
Feet

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Figure D-9

Fill WBZ Potentiometric Surface Contours Using Average Monthly Groundwater Elevations for December 2022

LNG Basin and Former Koppers Basin Groundwater Evaluation/Fill WBZ Interceptor Trench Performance – Second Through Fourth Quarter 2022
NW Natural Gasco Site

Attachment E
Precipitation Data

Provided as Excel file